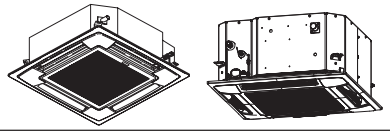
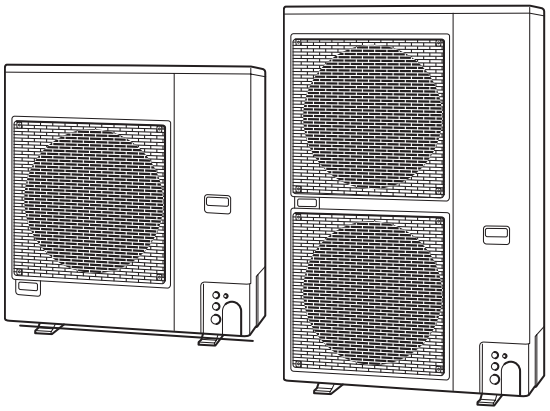
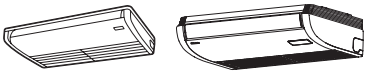
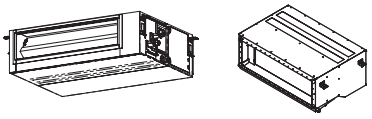
Panasonic

Order No. SM830211-11CE

TECHNICAL DATA & SERVICE MANUAL

R410A

INVERTER

Indoor Unit	Outdoor Unit
 4-Way Cassette 4-Way Cassette 60×60	
 Ceiling	
 Wall Mounted	
 Low Silhouette Ducted Ducted	

■ **R410A Models**

Model No.

Indoor Units

Type	Indoor Units Type	36	45	50	60	71	100	125	140
U1	4-Way Cassette	S-36PU1E5	S-45PU1E5	S-50PU1E5	S-60PU1E5	S-71PU1E5	S-100PU1E5	S-125PU1E5	S-140PU1E5
Y1	4-Way Cassette 60×60	S-36PY1E5	S-45PY1E5	S-50PY1E5	–	–	–	–	–
T1	Ceiling	S-36PT1E5	S-45PT1E5	S-50PT1E5	S-60PT1E5	S-71PT1E5	S-100PT1E5	S-125PT1E5	S-140PT1E5
T2	Ceiling	S-36PT2E5	S-45PT2E5	S-50PT2E5	S-60PT2E5	S-71PT2E5	S-100PT2E5	S-125PT2E5	S-140PT2E5
K1	Wall Mounted	S-36PK1E5	S-45PK1E5	S-50PK1E5	S-60PK1E5	S-71PK1E5	–	–	–
F1	Low Silhouette Ducted	S-36PF1E5	S-45PF1E5	S-50PF1E5	S-60PF1E5	S-71PF1E5	S-100PF1E5	S-125PF1E5	S-140PF1E5
N1	Ducted	S-36PN1E5	S-45PN1E5	S-50PN1E5	S-60PN1E5	S-71PN1E5	S-100PN1E5	S-125PN1E5	S-140PN1E5

Outdoor Units

Type	Outdoor Units Type	50	60	71	100	125	140
PE1	Single Split (1-phase)	U-50PE1E5	U-60PE1E5	U-71PE1E5	U-100PE1E5	U-125PE1E5	U-140PE1E5
	Single Split (3-phase)	–	–	U-71PE1E8	U-100PE1E8	U-125PE1E8	U-140PE1E8
PEY1	Single Split (1-phase)	–	U-60PEY1E5	U-71PEY1E5	U-100PEY1E5	U-125PEY1E5	–
	Single Split (3-phase)	–	–	–	U-100PEY1E8	U-125PEY1E8	U-140PEY1E8

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REFERENCE NO. **SM830211-07**

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IMPORTANT!
Please Read Before Starting

This air conditioner must be installed by the sales dealer or installer.
This information is provided for use only by authorized persons.

For safe installation and trouble-free operation, you must:

- Carefully read this instruction booklet before beginning.
- Follow each installation or repair step exactly as shown.
- This air conditioner shall be installed in accordance with National Wiring Regulations.
- Pay close attention to all warning and caution notices given in this manual.

⚠ **WARNING** This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.

⚠ **CAUTION** This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

If Necessary, Get Help

These instructions are all you need for most installation sites and maintenance conditions. If you require help for a special problem, contact our sales/service outlet or your certified dealer for additional instructions.

In Case of Improper Installation

The manufacturer shall in no way be responsible for improper installation or maintenance service, including failure to follow the instructions in this document.

SPECIAL PRECAUTIONS

WARNING When Wiring

ELECTRICAL SHOCK CAN CAUSE SEVERE PERSONAL INJURY OR DEATH. ONLY A QUALIFIED, EXPERIENCED ELECTRICIAN SHOULD ATTEMPT TO WIRE THIS SYSTEM.

- Do not supply power to the unit until all wiring and tubing are completed or reconnected and checked.
- Highly dangerous electrical voltages are used in this system.
  Carefully refer to the wiring diagram and these instructions when wiring. Improper connections and inadequate grounding can cause **accidental injury or death.**
- Connect all wiring tightly. Loose wiring may cause overheating at connection points and a possible fire hazard.
- Provide a power outlet to be used exclusively for each unit.
- Provide a power outlet exclusively for each unit, and full disconnection means having a contact separation in all poles must be incorporated in the fixed wiring in accordance with the wiring rules.
- To prevent possible hazards from insulation failure, the unit must be grounded.

When Transporting

Be careful when picking up and moving the indoor and outdoor units. Get a partner to help, and bend your knees when lifting to reduce strain on your back. Sharp edges or thin aluminum fins on the air conditioner can cut your fingers.

When Installing…

Select an installation location which is rigid and strong enough to support or hold the unit, and select a location for easy maintenance.

…In a Room
Properly insulate any tubing run inside a room to prevent “sweating” that can cause dripping and water damage to walls and floors.

⚠ **CAUTION** Keep the fire alarm and the air outlet at least 1.5 m away from the unit.

…In Moist or Uneven Locations
Use a raised concrete pad or concrete blocks to provide a solid, level foundation for the outdoor unit. This prevents water damage and abnormal vibration.

…In an Area with High Winds
Securely anchor the outdoor unit down with bolts and a metal frame. Provide a suitable air baffle.

…In a Snowy Area (for Heat Pump-type Systems)
Install the outdoor unit on a raised platform that is higher than drifting snow. Provide snow vents.

…At least 2.5 m
Indoor unit of this air conditioner shall be installed in a height of at least 2.5 m.

…In laundry rooms
Do not install in laundry rooms. Indoor unit is not drip proof.

When Connecting Refrigerant Tubing

⚠ **WARNING**

- When performing piping work do not mix air except for specified refrigerant (R410A) in refrigeration cycle. It causes capacity down, and risk of explosion and injury due to high tension inside the refrigerant cycle.
- Refrigerant gas leakage may cause fire.
- Do not add or replace refrigerant other than specified type. It may cause product damage, burst and injury, etc.

- Ventilate the room well, in the event that is refrigerant gas leaks during the installation. Be careful not to allow contact of the refrigerant gas with a flame as this will cause the generation of poisonous gas.
- Keep all tubing runs as short as possible.
- Use the flare method for connecting tubing.
- Apply refrigerant lubricant to the matching surfaces of the flare and union tubes before connecting them, then tighten the nut with a torque wrench for a leak-free connection.
- Check carefully for leaks before starting the test run.

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- Do not leak refrigerant while piping work for an installation or re-installation, and while repairing refrigeration parts.
  Handle liquid refrigerant carefully as it may cause frostbite.

When Servicing

- Turn the power OFF at the main power box (mains) before opening the unit to check or repair electrical parts and wiring.



- Keep your fingers and clothing away from any moving parts.
- Clean up the site after you finish, remembering to check that no metal scraps or bits of wiring have been left inside the unit being serviced.

WARNING

- Do not clean inside the indoor and outdoor units by users. Engage authorized dealer or specialist for cleaning.
- In case of malfunction of this appliance, do not repair by yourself. Contact the sales dealer or service dealer for repair.

CAUTION

- Do not touch the air inlet or the sharp aluminum fins of the outdoor unit. You may get injured.



- Ventilate any enclosed areas when installing or testing the refrigeration system. Escaped refrigerant gas, on contact with fire or heat, can produce dangerously toxic gas.
- Confirm after installation that no refrigerant gas is leaking. If the gas comes in contact with a burning stove, gas water heater, electric room heater or other heat source, it can cause the generation of poisonous gas.

Others

CAUTION

- Do not touch the air inlet or the sharp aluminum fins of the outdoor unit. You may get injured.



- Do not sit or step on the unit, you may fall down accidentally.



- Do not stick any object into the FAN CASE.
  You may be injured and the unit may be damaged.





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Check of Density Limit

The room in which the air conditioner is to be installed requires a design that in the event of refrigerant gas leaking out, its density will not exceed a set limit.

The refrigerant (R410A), which is used in the air conditioner, is safe, without the toxicity or combustibility of ammonia, and is not restricted by laws imposed to protect the ozone layer. However, since it contains more than air, it poses the risk of suffocation if its density should rise excessively. Suffocation from leakage of refrigerant is almost non-existent. With the recent increase in the number of high density buildings, however, the installation of multi air conditioner systems is on the increase because of the need for effective use of floor space, individual control, and energy conservation by curtailing heat and carrying power, etc.
Most importantly, the multi air conditioner system is able to replenish a large amount of refrigerant compared to conventional individual air conditioners. If a single unit of the multi air conditioner system is to be installed in a small room, select a suitable model and installation procedure so that if the refrigerant accidentally leaks out, its density does not reach the limit (and in the event of an emergency, measures can be made before injury can occur).
In a room where the density may exceed the limit, create an opening with adjacent rooms, or install mechanical ventilation combined with a gas leak detection device. The density is as given below.

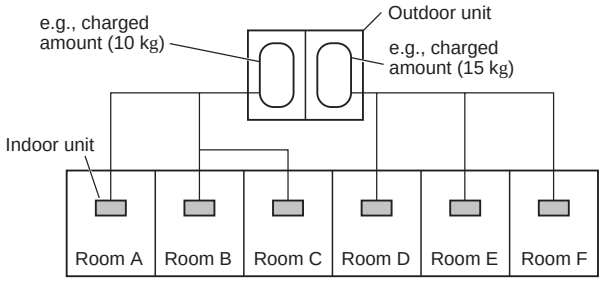
$$\frac{\text{Total amount of refrigerant (kg)}}{\text{Min. volume of the indoor unit installed room (m}^3\text{)}} \leq \text{Density limit (kg/m}^3\text{)}$$

The density limit of refrigerant which is used in multi air conditioners is 0.3 kg/m³ (ISO 5149).

NOTE

1. If there are 2 or more refrigerating systems in a single refrigerating device, the amount of refrigerant should be as charged in each independent device.

   For the amount of charge in this example:



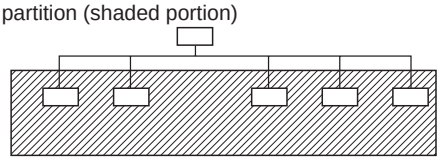
   The possible amount of leaked refrigerant gas in rooms A, B and C is 10 kg.
   The possible amount of leaked refrigerant gas in rooms D, E and F is 15 kg.

RoHS
· This product does not contain any hazardous substances prohibited by the RoHS Directive.

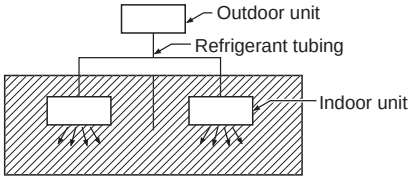
WARNING
· You are requested to use RoHS compliant for maintenance or repair.

2. The standards for minimum room volume are as follows.

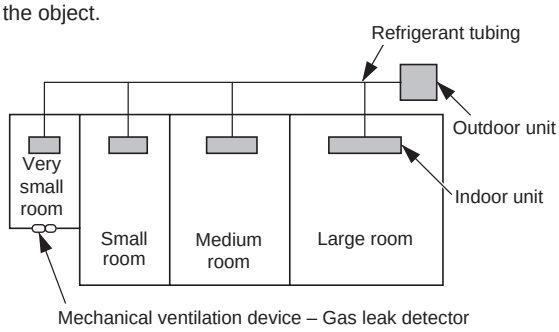
(1) No partition (shaded portion)



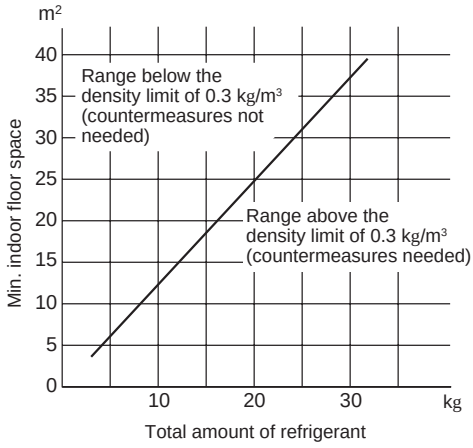
(2) When there is an effective opening with the adjacent room for ventilation of leaking refrigerant gas (opening without a door, or an opening 0.15% or larger than the respective floor spaces at the top or bottom of the door).



(3) If an indoor unit is installed in each partitioned room and the refrigerant tubing is interconnected, the smallest room of course becomes the object. But when mechanical ventilation is installed interlocked with a gas leakage detector in the smallest room where the density limit is exceeded, the volume of the next smallest room becomes the object.



3. The minimum indoor floor space compared with the amount of refrigerant is roughly as follows (for room with 2.7 m high ceiling):



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IMPORTANT INFORMATION REGARDING THE REFRIGERANT USED

This product contains fluorinated greenhouse gases covered by the Kyoto Protocol. Do not vent gases into the atmosphere.

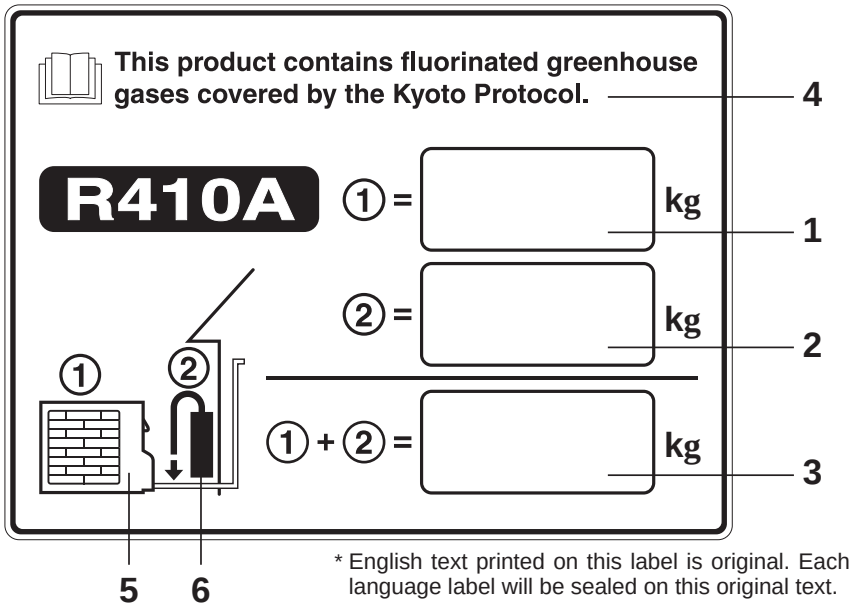
Refrigerant type: R410A
GWP(1) value: 1975
(1) GWP = global warming potential

Periodical inspections for refrigerant leaks may be required depending on European or local legislation.
Please contact your local dealer for more information.

Please fill in with indelible ink,
- ① the factory refrigerant charge of the product
- ② the additional refrigerant amount charged in the field and
- ① +② the total refrigerant charge

on the refrigerant charge label supplied with the product.

The filled out label must be adhered in the proximity of the product charging port (e.g. onto the inside of the service cover).



* English text printed on this label is original. Each language label will be sealed on this original text.

1. Factory refrigerant charge of the product: see unit name plate
2. Additional refrigerant amount charged in the field
3. Total refrigerant charge
4. Contains fluorinated greenhouse gases covered by the Kyoto Protocol
5. Outdoor unit
6. Refrigerant cylinder and manifold for charging

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Combination of Indoor and Outdoor Units

PE1

Single-phase

	36	45	50	60	71	100	125	140
U1	S-36PU1E5 x2 U-71PE1E5 P2	S-45PU1E5 x3 U-125PE1E5 P5	S-50PU1E5 U-50PE1E5 P6	S-60PU1E5 U-60PE1E5 P9	S-71PU1E5 U-71PE1E5 P11	S-100PU1E5 U-100PE1E5 P13	S-125PU1E5 U-125PE1E5 P14	S-140PU1E5 U-140PE1E5 P15
	S-36PU1E5 x3 U-100PE1E5 P3		S-50PU1E5 x2 U-100PE1E5 P7	S-60PU1E5 x2 U-125PE1E5 P10	S-71PU1E5 x2 U-140PE1E5 P12			
	S-36PU1E5 x4 U-125PE1E5 P4		S-50PU1E5 x3 U-140PE1E5 P8					
Y1	S-36PY1E5 x2 U-71PE1E5 P28	S-45PY1E5 x3 U-125PE1E5 P31	S-50PY1E5 U-50PE1E5 P32					
	S-36PY1E5 x3 U-100PE1E5 P29		S-50PY1E5 x2 U-100PE1E5 P33					
	S-36PY1E5 x4 U-125PE1E5 P30		S-50PY1E5 x3 U-140PE1E5 P34					
T1	S-36PT1E5 x2 U-71PE1E5 P41	S-45PT1E5 x3 U-125PE1E5 P44	S-50PT1E5 U-50PE1E5 P45	S-60PT1E5 U-60PE1E5 P48	S-71PT1E5 U-71PE1E5 P50	S-100PT1E5 U-100PE1E5 P52	S-125PT1E5 U-125PE1E5 P53	S-140PT1E5 U-140PE1E5 P54
	S-36PT1E5 x3 U-100PE1E5 P42		S-50PT1E5 x2 U-100PE1E5 P46	S-60PT1E5 x2 U-125PE1E5 P49	S-71PT1E5 x2 U-140PE1E5 P51			
	S-36PT1E5 x4 U-125PE1E5 P43		S-50PT1E5 x3 U-140PE1E5 P47					
T2	S-36PT2E5 x2 U-71PE1E5 P67	S-45PT2E5 x3 U-125PE1E5 P70	S-50PT2E5 U-50PE1E5 P71	S-60PT2E5 U-60PE1E5 P74	S-71PT2E5 U-71PE1E5 P76	S-100PT2E5 U-100PE1E5 P78	S-125PT2E5 U-125PE1E5 P79	S-140PT2E5 U-140PE1E5 P80
	S-36PT2E5 x3 U-100PE1E5 P68		S-50PT2E5 x2 U-100PE1E5 P72	S-60PT2E5 x2 U-125PE1E5 P75	S-71PT2E5 x2 U-140PE1E5 P77			
	S-36PT2E5 x4 U-125PE1E5 P69		S-50PT2E5 x3 U-140PE1E5 P73					
K1	S-36PK1E5 x2 U-71PE1E5 P93	S-45PK1E5 x3 U-125PE1E5 P96	S-50PK1E5 U-50PE1E5 P97	S-60PK1E5 U-60PE1E5 P100	S-71PK1E5 U-71PE1E5 P102			
	S-36PK1E5 x3 U-100PE1E5 P94		S-50PK1E5 x2 U-100PE1E5 P98	S-60PK1E5 x2 U-125PE1E5 P101	S-71PK1E5 x2 U-140PE1E5 P103			
	S-36PK1E5 x4 U-125PE1E5 P95		S-50PK1E5 x3 U-140PE1E5 P99					
F1	S-36PF1E5 x2 U-71PE1E5 P113	S-45PF1E5 x3 U-125PE1E5 P116	S-50PF1E5 U-50PE1E5 P117	S-60PF1E5 U-60PE1E5 P120	S-71PF1E5 U-71PE1E5 P122	S-100PF1E5 U-100PE1E5 P124	S-125PF1E5 U-125PE1E5 P125	S-140PF1E5 U-140PE1E5 P126
	S-36PF1E5 x3 U-100PE1E5 P114		S-50PF1E5 x2 U-100PE1E5 P118	S-60PF1E5 x2 U-125PE1E5 P121	S-71PF1E5 x2 U-140PE1E5 P123			
	S-36PF1E5 x4 U-125PE1E5 P115		S-50PF1E5 x3 U-140PE1E5 P119					
N1	S-36PN1E5 x2 U-71PE1E5 P139	S-45PN1E5 x3 U-125PE1E5 P142	S-50PN1E5 U-50PE1E5 P143	S-60PN1E5 U-60PE1E5 P146	S-71PN1E5 U-71PE1E5 P148	S-100PN1E5 U-100PE1E5 P150	S-125PN1E5 U-125PE1E5 P151	S-140PN1E5 U-140PE1E5 P152
	S-36PN1E5 x3 U-100PE1E5 P140		S-50PN1E5 x2 U-100PE1E5 P144	S-60PN1E5 x2 U-125PE1E5 P147	S-71PN1E5 x2 U-140PE1E5 P149			
	S-36PN1E5 x4 U-125PE1E5 P141		S-50PN1E5 x3 U-140PE1E5 P145					

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Combination of Indoor and Outdoor Units

PE1

3-phase

	36	45	50	60	71	100	125	140
U1	S-36PU1E5 x2 U-71PE1E8 P16	S-45PU1E5 x3 U-125PE1E8 P19	S-50PU1E5 x2 U-100PE1E8 P20	S-60PU1E5 x2 U-125PE1E8 P22	S-71PU1E5 U-71PE1E8 P23	S-100PU1E5 U-100PE1E8 P25	S-125PU1E5 U-125PE1E8 P26	S-140PU1E5 U-140PE1E8 P27
	S-36PU1E5 x3 U-100PE1E8 P17		S-50PU1E5 x3 U-140PE1E8 P21		S-71PU1E5 x2 U-140PE1E8 P24			
	S-36PU1E5 x4 U-125PE1E8 P18							
Y1	S-36PY1E5 x2 U-71PE1E8 P35	S-45PY1E5 x3 U-125PE1E8 P38	S-50PY1E5 x2 U-100PE1E8 P39					
	S-36PY1E5 x3 U-100PE1E8 P36		S-50PY1E5 x3 U-140PE1E8 P40					
	S-36PY1E5 x4 U-125PE1E8 P37							
T1	S-36PT1E5 x2 U-71PE1E8 P55	S-45PT1E5 x3 U-125PE1E8 P58	S-50PT1E5 x2 U-100PE1E8 P59	S-60PT1E5 x2 U-125PE1E8 P61	S-71PT1E5 U-71PE1E8 P62	S-100PT1E5 U-100PE1E8 P64	S-125PT1E5 U-125PE1E8 P65	S-140PT1E5 U-140PE1E8 P66
	S-36PT1E5 x3 U-100PE1E8 P56		S-50PT1E5 x3 U-140PE1E8 P60		S-71PT1E5 x2 U-140PE1E8 P63			
	S-36PT1E5 x4 U-125PE1E8 P57							
T2	S-36PT2E5 x2 U-71PE1E8 P81	S-45PT2E5 x3 U-125PE1E8 P84	S-50PT2E5 x2 U-100PE1E8 P85	S-60PT2E5 x2 U-125PE1E8 P87	S-71PT2E5 U-71PE1E8 P88	S-100PT2E5 U-100PE1E8 P90	S-125PT2E5 U-125PE1E8 P91	S-140PT2E5 U-140PE1E8 P92
	S-36PT2E5 x3 U-100PE1E8 P82		S-50PT2E5 x3 U-140PE1E8 P86		S-71PT2E5 x2 U-140PE1E8 P89			
	S-36PT2E5 x4 U-125PE1E8 P83							
K1	S-36PK1E5 x2 U-71PE1E8 P104	S-45PK1E5 x3 U-125PE1E8 P107	S-50PK1E5 x2 U-100PE1E8 P108	S-60PK1E5 x2 U-125PE1E8 P110	S-71PK1E5 U-71PE1E8 P111			
	S-36PK1E5 x3 U-100PE1E8 P105		S-50PK1E5 x3 U-140PE1E8 P109		S-71PK1E5 x2 U-140PE1E8 P112			
	S-36PK1E5 x4 U-125PE1E8 P106							
F1	S-36PF1E5 x2 U-71PE1E8 P127	S-45PF1E5 x3 U-125PE1E8 P130	S-50PF1E5 x2 U-100PE1E8 P131	S-60PF1E5 x2 U-125PE1E8 P133	S-71PF1E5 U-71PE1E8 P134	S-100PF1E5 U-100PE1E8 P136	S-125PF1E5 U-125PE1E8 P137	S-140PF1E5 U-140PE1E8 P138
	S-36PF1E5 x3 U-100PE1E8 P128		S-50PF1E5 x3 U-140PE1E8 P132		S-71PF1E5 x2 U-140PE1E8 P135			
	S-36PF1E5 x4 U-125PE1E8 P129							
N1	S-36PN1E5 x2 U-71PE1E8 P153	S-45PN1E5 x3 U-125PE1E8 P156	S-50PN1E5 x2 U-100PE1E8 P157	S-60PN1E5 x2 U-125PE1E8 P159	S-71PN1E5 U-71PE1E8 P160	S-100PN1E5 U-100PE1E8 P162	S-125PN1E5 U-125PE1E8 P163	S-140PN1E5 U-140PE1E8 P164
	S-36PN1E5 x3 U-100PE1E8 P154		S-50PN1E5 x3 U-140PE1E8 P158		S-71PN1E5 x2 U-140PE1E8 P161			
	S-36PN1E5 x4 U-125PE1E8 P155							

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Combination of Indoor and Outdoor Units

PEY1

Single-phase

	36	50	60	71	100	125	140
U1	S-36PU1E5 x2 U-71PEY1E5 P165	S-50PU1E5 x2 U-100PEY1E5 P166	S-60PU1E5 U-60PEY1E5 P167	S-71PU1E5 U-71PEY1E5 P169	S-100PU1E5 U-100PEY1E5 P170	S-125PU1E5 U-125PEY1E5 P171	
			S-60PU1E5 x2 U-125PEY1E5 P168				
Y1	S-36PY1E5 x2 U-71PEY1E5 P178	S-50PY1E5 x2 U-100PEY1E5 P179					
T1	S-36PT1E5 x2 U-71PEY1E5 P181	S-50PT1E5 x2 U-100PEY1E5 P182	S-60PT1E5 U-60PEY1E5 P183	S-71PT1E5 U-71PEY1E5 P185	S-100PT1E5 U-100PEY1E5 P186	S-125PT1E5 U-125PEY1E5 P187	
			S-60PT1E5 x2 U-125PEY1E5 P184				
T2	S-36PT2E5 x2 U-71PEY1E5 P194	S-50PT2E5 x2 U-100PEY1E5 P195	S-60PT2E5 U-60PEY1E5 P196	S-71PT2E5 U-71PEY1E5 P198	S-100PT2E5 U-100PEY1E5 P199	S-125PT2E5 U-125PEY1E5 P200	
			S-60PT2E5 x2 U-125PEY1E5 P197				
K1	S-36PK1E5 x2 U-71PEY1E5 P207	S-50PK1E5 x2 U-100PEY1E5 P208	S-60PK1E5 U-60PEY1E5 P209	S-71PK1E5 U-71PEY1E5 P211			
			S-60PK1E5 x2 U-125PEY1E5 P210				
F1	S-36PF1E5 x2 U-71PEY1E5 P215	S-50PF1E5 x2 U-100PEY1E5 P216	S-60PF1E5 U-60PEY1E5 P217	S-71PF1E5 U-71PEY1E5 P219	S-100PF1E5 U-100PEY1E5 P220	S-125PF1E5 U-125PEY1E5 P221	
			S-60PF1E5 x2 U-125PEY1E5 P218				
N1	S-36PN1E5 x2 U-71PEY1E5 P228	S-50PN1E5 x2 U-100PEY1E5 P229	S-60PN1E5 U-60PEY1E5 P230	S-71PN1E5 U-71PEY1E5 P232	S-100PN1E5 U-100PEY1E5 P233	S-125PN1E5 U-125PEY1E5 P234	
			S-60PN1E5 x2 U-125PEY1E5 P231				

3-phase

	36	50	60	71	100	125	140
U1		S-50PU1E5 x2 U-100PEY1E8 P172	S-60PU1E5 x2 U-125PEY1E8 P173	S-71PU1E5 x2 U-140PEY1E8 P174	S-100PU1E5 U-100PEY1E8 P175	S-125PU1E5 U-125PEY1E8 P176	S-140PU1E5 U-140PEY1E8 P177
Y1		S-50PY1E5 x2 U-100PEY1E8 P180					
T1		S-50PT1E5 x2 U-100PEY1E8 P188	S-60PT1E5 x2 U-125PEY1E8 P189	S-71PT1E5 x2 U-140PEY1E8 P190	S-100PT1E5 U-100PEY1E8 P191	S-125PT1E5 U-125PEY1E8 P192	S-140PT1E5 U-140PEY1E8 P193
T2		S-50PT2E5 x2 U-100PEY1E8 P201	S-60PT2E5 x2 U-125PEY1E8 P202	S-71PT2E5 x2 U-140PEY1E8 P203	S-100PT2E5 U-100PEY1E8 P204	S-125PT2E5 U-125PEY1E8 P205	S-140PT2E5 U-140PEY1E8 P206
K1		S-50PK1E5 x2 U-100PEY1E8 P212	S-60PK1E5 x2 U-125PEY1E8 P213	S-71PK1E5 x2 U-140PEY1E8 P214			
F1		S-50PF1E5 x2 U-100PEY1E8 P222	S-60PF1E5 x2 U-125PEY1E8 P223	S-71PF1E5 x2 U-140PEY1E8 P224	S-100PF1E5 U-100PEY1E8 P225	S-125PF1E5 U-125PEY1E8 P226	S-140PF1E5 U-140PEY1E8 P227
N1		S-50PN1E5 x2 U-100PEY1E8 P235	S-60PN1E5 x2 U-125PEY1E8 P236	S-71PN1E5 x2 U-140PEY1E8 P237	S-100PN1E5 U-100PEY1E8 P238	S-125PN1E5 U-125PEY1E8 P239	S-140PN1E5 U-140PEY1E8 P240

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—— CONTENTS ——

Section 1. SPECIFICATIONS 1-1

1-1. Unit Specifications 1-2
1-2. Dimensional Data 1-241
1-3. Refrigerant Flow Diagram 1-255
1-4. Operating Range 1-258
1-5. Capacity Correction Graph According to Temperature Condition 1-259
1-6. Noise Criterion Curves 1-270
1-7. Indoor Fan Performance 1-287
1-8. Airflow Distance Chart 1-288
1-9. Intaking Fresh Air of 4-Way Cassette Type 1-293
1-10. Electrical Wiring 1-295
1-11. Installation Instructions 1-300
■ Outdoor Unit 1-300
■ Indoor Unit 1-377
1-12. How to select AHU system 1-439
1-13. Capacity Table 1-443
1. Cooling Capacity Performance Data 1-443
2. Heating Capacity Performance Data 1-486
1-14. Product Fiche 1-513

Section 2. TEST RUN 2-1

■ PRECAUTIONS REGARDING TEST RUN 2-2
■ CHECKS AFTER INSTALLATION HAVE COMPLETED 2-3
■ REGARDING DELIVERY TO THE CUSTOMER 2-3

Section 3. ELECTRICAL DATA 3-1

3-1. Indoor Units (Electric Wiring Diagram, Schematic Diagram) 3-2
3-2. Outdoor Units (Electric Wiring Diagram) 3-11

Section 4. CONTROL FUNCTIONS 4-1

4-1. Room Temperature Control 4-2
4-2. Heating Standby 4-4
4-3. Automatic Fan Speed Control 4-5
4-4. Drain Pump Control 4-6
4-5. Automatic Heating/Cooling Control 4-7
4-6. Automatic Flap Control 4-8
4-7. Filter Sign 4-8
4-8. Fan Control during Dry Mode 4-9
4-9. Ventilation Fan Output 4-9
4-10. T10 Terminal 4-9
4-11. Parameter 4-10
4-12. Outdoor Units Control PCB 4-11
4-13. Functions of Outdoor Unit PCB 4-19
4-14. Self-Diagnostics Function Table 4-22

Section 5. TROUBLE DIAGNOSIS 5-1

5-1. Contents of Remote Controller Switch Alarm Display 5-2
5-2. Outdoor Unit Control Panel LED Display 5-4
5-3. PAC System Alarm Codes 5-5
5-4. Inspection of Parts (Outdoor Unit) 5-68
5-5. Symptom: Thermostat in OFF continues or cycles OFF & ON too frequently. 5-69
5-6. How to Clean Heat Exchanger 5-70
5-7. How to Replace Fan Motor 5-71

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Section 6. OUTDOOR UNIT MAINTENANCE REMOTE CONTROL 6-1

6-1. Overview 6-2
6-2. Functions 6-2
6-3. Normal Display Operations and Functions 6-3
6-4. Monitoring Operations: Display of Indoor Unit and Outdoor Unit Sensor Temperatures 6-6
6-5. Monitoring the Outdoor Unit Alarm History: Display of Outdoor Unit Alarm History 6-7
6-6. Settings Modes: Setting the Outdoor Unit EEPROM 6-7

Section 7. REMOTE CONTROLLER FUNCTIONS SECTION 7-1

7-1. Simple Settings Function 7-2
7-2. List of Simple Setting Items 7-3
7-3. Detailed Settings Function 7-4
7-4. List of Detailed Setting Items 7-5
7-5. Simple Setting Items 7-9
7-6. Detaild Setting Items 7-11
7-7. Remote Controller Servicing Functions 7-15
7-8. Test Run Function 7-15

Section 8. HOW TO INSTALL THE WIRELESS REMOTE CONTROLLER RECEIVER 8-1

■ Important Safety Instructions 8-2
■ Optional Controller (Remote Controller) 8-3
8-1. Names and Functions 8-3
8-2. Installing Batteries 8-5
8-3. Setting the Current Time 8-5
8-4. Operation 8-6
8-5. Timer Operation 8-7
8-6. Adjusting the Wind Direction 8-8
8-7. Operating Multiple In/Outdoor Units Simultaneously (Group Control) 8-8
8-8. Using the Remote Control 8-9
8-9. For Best Results 8-9
8-10. Addresses 8-9
8-11. Emergency Operation 8-11
8-12. Miscellaneous Settings 8-12
8-13. Before Requesting Service 8-13
■ How to Install the Wireless Remote Controller Receiver 8-14
8-14. Common to All Models 8-14
8-15. CZ-RWSU2 8-16
8-16. CZ-RWST2 8-18
8-17. CZ-RWSL2 8-21
8-18. CZ-RWSC2 8-24
8-19. CZ-RWSY2 8-28
8-20. CZ-RWST3 8-30
8-21. Common to All Models 8-32

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1. SPECIFICATIONS

1-1. Unit Specifications 1-2

PE1

1. 4-Way Cassette Type (U1) 1-2
2. 4-Way Cassette 60×60 Type (Y1) 1-28
3. Ceiling Type (T1) 1-41
4. Ceiling Type (T2) 1-67
5. Wall Mounted Type (K1) 1-93
6. Low Silhouette Ducted Type (F1) 1-113
7. Ducted Type (N1) 1-139

PEY1

1. 4-Way Cassette Type (U1) 1-165
2. 4-Way Cassette 60×60 Type (Y1) 1-178
3. Ceiling Type (T1) 1-181
4. Ceiling Type (T2) 1-194
5. Wall Mounted Type (K1) 1-207
6. Low Silhouette Ducted Type (F1) 1-215
7. Ducted Type (N1) 1-228

1-2. Dimensional Data 1-241

(A) Indoor Units 1-241
(B) Outdoor Units 1-252

1-3. Refrigerant Flow Diagram 1-255

1-4. Operating Range 1-258

1-5. Capacity Correction Graph According to Temperature Condition 1-259

1-6. Noise Criterion Curves 1-270

1-7. Indoor Fan Performance 1-287

1-8. Airflow Distance Chart 1-288

1-9. Intaking Fresh Air of 4-Way Cassette Type 1-293

1-10. Electrical Wiring 1-295

1-11. Installation Instructions 1-300

Outdoor Unit 1-300

- U-50PE1E5, U-60PEY1E5, U-71PEY1E5 1-300
- U-60PE1E5 ~ U-140PE1E5, U-71PE1E8 ~ U-140PE1E8
  U-100PEY1E5, U-125PEY1E5, U-100PEY1E8, U-125PEY1E8, U-140PEY1E8 1-357

Indoor Unit 1-377

1. SELECTING THE INSTALLATION SITE 4-Way Cassette Type (U1) 1-377
2. SELECTING THE INSTALLATION SITE 4-Way Cassette 60×60 Type (Y1) 1-389
3. SELECTING THE INSTALLATION SITE Ceiling Type (T1) 1-395
4. SELECTING THE INSTALLATION SITE Ceiling Type (T2) 1-400
5. SELECTING THE INSTALLATION SITE Wall Mounted Type (K1) 1-406
6. SELECTING THE INSTALLATION SITE Low Silhouette Ducted Type (F1) 1-415
7. SELECTING THE INSTALLATION SITE Ducted Type (N1) 1-427

1-12. How to select AHU system 1-439

1-13. Capacity Table 1-443

1. Cooling Capacity Performance Data 1-443
2. Heating Capacity Performance Data 1-486

1-14. Product Fiche 1-513

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-36PU1E5×2 / U-71PE1E5

INDOOR			MODEL	S-36PU1E5×2							
PANEL			MODEL	CZ-KPU2×2			-				
OUTDOOR			MODEL				U-71PE1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				2.5	8.2
			BTU/h	24200	24200	24200				8500	28000
	CURRENT		A	0.19×2	0.19×2	0.18×2	8.40	8.10	7.90	-	-
	INPUT POWER		W	20×2	20×2	20×2	1.760k	1.760k	1.760k	-	-
			TOTAL W	-			1.800k	1.800k	1.800k	450	2.700k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	900	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.94	3.94 / A	3.94	5.56	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	7.4	-		
		Annual consumption	kWh	-	-	-	-	336	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	95	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	30/28/27							
			Power Level dB	47/45/44							
	NOISE OUTDOOR (H/L)		dB-A				48/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	8.0	8.0	8.0				2.0	9.0
			BTU/h	27300	27300	27300				6800	30700
	CURRENT		A	0.17×2	0.17×2	0.16×2	9.30	9.00	8.70	-	-
	INPUT POWER		W	20×2	20×2	20×2	1.960k	1.960k	1.960k	-	-
			TOTAL W	-			2.000k	2.000k	2.000k	400	2.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	5.00	3.10
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		Tbivalen	°C	-	-	-	-	-8	-		
		SCOP	(W/W)	-	-	-	-	4.1	-		
		Annual consumption	kWh	-	-	-	-	2424	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	96	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	30/28/27				-		/	/
			Power Level dB	47/45/44				-			
	NOISE OUTDOOR (H/L)		dB-A	-				50/-		/	/
			Power Level dB	-				67/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.19×2/20×2	0.19×2/20×2	0.18×2/20×2	18.0/3.800k	18.0/3.930k	18.0/4.060k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	9.30/2.0k	9.00/2.0k	8.70/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×2		(494)×2					
	HEAT		m^3/min (ft^3/min)	14×2		(494)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PRODUCT	D I M	HEIGHT : H mm(inch)		256 (10-3/32)			996 (39-7/32)			/	
		WIDTH : W mm(inch)		840 (33-3/32)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		840 (33-3/32)			340 (13-13/32)			/	
PACKAGE	D I M	HEIGHT : H mm		298			1136			/	
		WIDTH : W mm		929			1055			/	
		DEPTH : D mm		929			485			/	
MASS		(NET) kg(lb)		23 (51)			69 (153)			/	
		(GROSS) kg(lb)		29 (64)			77 (170)			/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition		Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-36PU1E5×3 / U-100PE1E5

INDOOR			MODEL	S-36PU1E5×3							
PANEL			MODEL	CZ-KPU2×3			-				
OUTDOOR			MODEL				U-100PE1E5				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.19×3	0.19×3	0.18×3	10.9	10.5	10.1	-	-
	INPUT POWER		W	20×3	20×3	20×3	2.320k	2.320k	2.320k	-	-
			TOTAL W		-		2.380k	2.380k	2.380k	840	3.700k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	1190	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.20	4.20 / A	4.20	3.93	3.38
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.6	-		
		Annual consumption	kWh	-	-	-	-	530	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	97	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	30/28/27							
			Power Level dB	47/45/44							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.17×3	0.17×3	0.16×3	11.9	11.5	11.1	-	-
	INPUT POWER		W	20×3	20×3	20×3	2.540k	2.540k	2.540k	-	-
			TOTAL W		-		2.600k	2.600k	2.600k	900	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-	-	-
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	4.2	-		
		Annual consumption	kWh	-	-	-	-	3333	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	30/28/27			-			/	/
			Power Level dB	47/45/44			-				
	NOISE OUTDOOR (H/L)		dB-A	-			52/-			/	/
			Power Level dB	-			69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.19×3/20×3	0.19×3/20×3	0.18×3/20×3	25.0/5.350k	25.0/5.550k	25.0/5.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	11.9/3.0k	11.5/3.0k	11.1/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×3			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(2.0×3)	(12.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×3		(494)×3					
	HEAT		m^3/min (ft^3/min)	14×3		(494)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			23			98			/	
	(GROSS) kg(lb)			29			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-36PU1E5×4 / U-125PE1E5

INDOOR			MODEL	S-36PU1E5×4							
PANEL			MODEL	CZ-KPU2×4			-				
OUTDOOR			MODEL				U-125PE1E5				
Branch pipe			MODEL	CZ-P155BK1×3							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.19×4	0.19×4	0.18×4	15.9	15.4	14.9	-	-
	INPUT POWER		W	20×4	20×4	20×4	3.390k	3.390k	3.390k	-	-
			TOTAL W		-		3.470k	3.470k	3.470k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	1735	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A		30/28/27						
			Power Level dB		47/45/44						
	NOISE OUTDOOR (H/L)		dB-A					53/-			
			Power Level dB					70/-			
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.17×4	0.17×4	0.16×4	16.0	15.5	15.0	-	-
	INPUT POWER		W	20×4	20×4	20×4	3.420k	3.420k	3.420k	-	-
			TOTAL W		-		3.500k	3.500k	3.500k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-	-
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A		30/28/27			-		/	/
			Power Level dB		47/45/44			-			
	NOISE OUTDOOR (H/L)		dB-A		-			53/-		/	/
			Power Level dB		-			70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP						-				
MAX CURRENT(A)/MAX INPUT POWER(W)				0.19×4/20×4	0.19×4/20×4	0.18×4/20×4	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	16.0/3.0k	15.5/3.0k	15.0/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-			
FM OUTPUT (W)					60×4			90x2		/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(1.98×4)	(16.6)		-			
External static pressure			Pa		-						
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×4		(494)×4					
	HEAT		m^3/min (ft^3/min)	14×4		(494)×4					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRODUCT	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PACKAGE	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			23			98			/	
	(GROSS) kg(lb)			29			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-45PU1E5×3 / U-125PE1E5

INDOOR			MODEL	S-45PU1E5×3							
PANEL			MODEL	CZ-KPU2×3			-				
OUTDOOR			MODEL				U-125PE1E5				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.19×3	0.19×3	0.19×3	15.9	15.4	14.9	-	-
	INPUT POWER		W	20×3	20×3	20×3	3.410k	3.410k	3.410k	-	-
			TOTAL W	-			3.470k	3.470k	3.470k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1735	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	31/28/27							
			Power Level dB	48/45/44							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.17×3	0.17×3	0.17×3	16.1	15.5	15.1	-	-
	INPUT POWER		W	20×3	20×3	20×3	3.440k	3.440k	3.440k	-	-
			TOTAL W	-			3.500k	3.500k	3.500k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-	-
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	31/28/27			-			/	/
			Power Level dB	48/45/44			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.19×3/20×3	0.19×3/20×3	0.18×3/20×3	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	16.2/3.0k	15.7/3.0k	15.2/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×3			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(2.63×3)	(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	15×3		(530)×3					
	HEAT		m^3/min (ft^3/min)	15×3		(530)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			23			98			/	
	(GROSS) kg(lb)			29			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-50PU1E5 / U-50PE1E5

INDOOR		MODEL	S-50PU1E5								
PANEL		MODEL	CZ-KPU2			-					
OUTDOOR		MODEL				U-50PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	5.0	5.0	5.0				1.5	5.6	
		BTU/h	17100	17100	17100				5100	19100	
	CURRENT	A	0.22	0.22	0.21	6.50	6.20	5.95	-	-	
	INPUT POWER	W	25	25	25	1.325k	1.325k	1.325k	-	-	
		TOTAL W	-			1.350k	1.350k	1.350k	260	2.000k	
	ANNUAL CONSUMPTION	TOTAL kWh※4	-			675	675	675	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	5.77	2.80	
	Erp ※6 Pdsign	kW	-	-	-	-	5.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	269	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR	dB-A (H/M/L)	32/29/27								
		Power Level dB	49/46/44								
	NOISE OUTDOOR	dB-A (H/L)				46/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	5.6	5.6	5.6				1.5	6.5	
		BTU/h	19100	19100	19100				5100	22200	
	CURRENT	A	0.20	0.20	0.19	6.90	6.60	6.30	-	-	
	INPUT POWER	W	25	25	25	1.405k	1.405k	1.405k	-	-	
		TOTAL W	-			1.430k	1.430k	1.430k	220	2.300k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.92	3.92 / A	3.92	6.82	2.83	
	Erp ※6 Pdsign	kW	-	-	-	-	4.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	1474	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR	dB-A (H/M/L)	32/29/27			-			/	/	
		Power Level dB	49/46/44			-					
	NOISE OUTDOOR	dB-A (H/L)	-			50/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.22/25	0.22/25	0.21/25	12/2.46k	12/2.57k	12/2.68k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.90/1.4k	6.60/1.4k	6.30/1.4k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	2.8		(5.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	16		(565)						
	HEAT	m^3/min (ft^3/min)	16		(565)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				30		(1067)			
	HEAT	m^3/min (ft^3/min)				35		(1225)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.65k	(58.2)	/		
PRO DIM	HEIGHT : H mm(inch)		256 (10-3/32)			569 (22-13/32)			/		
	WIDTH : W mm(inch)		840 (33-3/32)			790 (31-7/32)			/		
	DEPTH : D mm(inch)		840 (33-3/32)			285 (11-7/32)			/		
PAC DIM	HEIGHT : H mm		298			645			/		
	WIDTH : W mm		929			921			/		
	DEPTH : D mm		929			386			/		
MASS	(NET) kg(lb)		23 (51)			42 (93)			/		
	(GROSS) kg(lb)		29 (64)			46 (101)			/		
LAYERS LIMIT (actually)			11 (12)			4 (5)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 40 (16.4 ~ 131.2)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		20 (0.215)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-50PU1E5×2 / U-100PE1E5

INDOOR			MODEL	S-50PU1E5×2							
PANEL			MODEL	CZ-KPU2×2			-				
OUTDOOR			MODEL				U-100PE1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.22×2	0.22×2	0.21×2	10.9	10.5	10.1	-	-
	INPUT POWER		W	25×2	25×2	25×2	2.330k	2.330k	2.330k	-	-
			TOTAL W	-			2.380k	2.380k	2.380k	840	3.700k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1190	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.20	4.20 / A	4.20	3.93	3.38
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.6	-		
		Annual consumption	kWh	-	-	-	-	530	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	97	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	32/29/27							
			Power Level dB	49/46/44							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.20×2	0.20×2	0.19×2	11.9	11.5	11.1	-	-
	INPUT POWER		W	25×2	25×2	25×2	2.550k	2.550k	2.550k	-	-
			TOTAL W	-			2.600k	2.600k	2.600k	900	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-	-	-
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	4.2	-		
		Annual consumption	kWh	-	-	-	-	3333	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	97	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	32/29/27			-			/	/
			Power Level dB	49/46/44			-				
	NOISE OUTDOOR (H/L)		dB-A	-			52/-			/	/
			Power Level dB	-			69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.22×2/25×2	0.22×2/25×2	0.21×2/25×2	25.0/5.350k	25.0/5.550k	25.0/5.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	11.9/3.0k	11.5/3.0k	11.1/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×2		(565)×2					
	HEAT		m^3/min (ft^3/min)	16×2		(565)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO D	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
PRO I	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC D	HEIGHT : H mm			298			1556			/	
PAC I	WIDTH : W mm			929			1055			/	
PAC M	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			23			98			/	
	(GROSS) kg(lb)			29			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-50PU1E5×3 / U-140PE1E5

INDOOR			MODEL	S-50PU1E5×3							
PANEL			MODEL	CZ-KPU2×3			-				
OUTDOOR			MODEL				U-140PE1E5				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.22×3	0.22×3	0.21×3	19.8	19.2	18.6	-	-
	INPUT POWER		W	25×3	25×3	25×3	4.235k	4.235k	4.235k	-	-
			TOTAL W		-		4.310k	4.310k	4.310k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	2155	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.25	3.25 / A	3.25	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A		32/29/27						
			Power Level dB		49/46/44						
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					71/-			
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.20×3	0.20×3	0.19×3	19.9	19.3	18.7	-	-
	INPUT POWER		W	25×3	25×3	25×3	4.255k	4.255k	4.255k	-	-
			TOTAL W		-		4.330k	4.330k	4.330k	900	5.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	4.56	3.05
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-	-
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A		32/29/27			-		/	/
			Power Level dB		49/46/44			-			
	NOISE OUTDOOR (H/L)		dB-A		-			55/-		/	/
			Power Level dB		-			71/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP						-				
MAX CURRENT(A)/MAX INPUT POWER(W)				0.22×3/25×3	0.22×3/25×3	0.21×3/25×3	30.0/6.450k	30.0/6.650k	30.0/6.850k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	19.9/3.0k	19.3/3.0k	18.7/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-			
FM OUTPUT (W)					60×3			90x2		/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(3.0×3)	(18.9)		-			
External static pressure			Pa		-						
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×3		(565)×3					
	HEAT		m^3/min (ft^3/min)	16×3		(565)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			23			98			/	
	(GROSS) kg(lb)			29			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-60PU1E5 / U-60PE1E5

INDOOR		MODEL	S-60PU1E5								
PANEL		MODEL	CZ-KPU2			-					
OUTDOOR		MODEL				U-60PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.5	7.1	
		BTU/h	20500	20500	20500				8500	24200	
	CURRENT	A	0.32	0.31	0.30	7.15	6.90	6.70	-	-	
	INPUT POWER	W	35	35	35	1.445k	1.445k	1.445k	-	-	
		TOTAL W	-			1.480k	1.480k	1.480k	450	2.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	740	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.05	4.05 / A	4.05	5.56	3.55	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	7.4	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	284	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	92	91	90	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/31/28								
		Power Level dB	53/48/45								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	7.0	7.0	7.0				2.0	8.0	
		BTU/h	23900	23900	23900				6800	27300	
	CURRENT	A	0.30	0.30	0.29	8.50	8.20	7.95	-	-	
	INPUT POWER	W	35	35	35	1.775k	1.775k	1.775k	-	-	
		TOTAL W	-			1.810k	1.810k	1.810k	400	2.480k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.87	3.87 / A	3.87	5.00	3.23	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2047	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/31/28			-			/	/	
		Power Level dB	53/48/45			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.32/35	0.31/35	0.30/35	18.0/3.800k	18.0/3.930k	18.0/4.060k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	8.50/1.7k	8.20/1.7k	7.95/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.4 (7.1)			-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	21 (742)								
	HEAT	m^3/min (ft^3/min)	21 (742)								
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60 (2119)					
	HEAT	m^3/min (ft^3/min)				60 (2119)					
REFRIGERANT TYPE, AMOUNT g(oz)						R410A 2.00k (70.5)			/		
PRO D	HEIGHT : H mm(inch)		256 (10-3/32)			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		840 (33-3/32)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		840 (33-3/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		298			1136			/		
PAC I	WIDTH : W mm		929			1055			/		
PAC M	DEPTH : D mm		929			485			/		
MASS	(NET) kg(lb)		24 (53)			68 (150)			/		
	(GROSS) kg(lb)		30 (67)			76 (168)			/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-60PU1E5×2 / U-125PE1E5

INDOOR			MODEL	S-60PU1E5×2							
PANEL			MODEL	CZ-KPU2×2			-				
OUTDOOR			MODEL				U-125PE1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.32×2	0.31×2	0.30×2	15.9	15.4	14.9	-	-
	INPUT POWER		W	35×2	35×2	35×2	3.400k	3.400k	3.400k	-	-
			TOTAL W	-			3.470k	3.470k	3.470k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1735	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	36/31/28							
			Power Level dB	53/48/45							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.30×2	0.30×2	0.29×2	16.0	15.5	15.0	-	-
	INPUT POWER		W	35×2	35×2	35×2	3.430k	3.430k	3.430k	-	-
			TOTAL W	-			3.500k	3.500k	3.500k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-	-
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	36/31/28			-			/	/
			Power Level dB	53/48/45			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.32×2/35×2	0.31×2/35×2	0.30×2/35×2	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	16.0/3.0k	15.5/3.0k	15.0/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21×2		(742)×2					
	HEAT		m^3/min (ft^3/min)	21×2		(742)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			24			98			/	
	(GROSS) kg(lb)			30			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-71PU1E5 / U-71PE1E5

INDOOR		MODEL	S-71PU1E5								
PANEL		MODEL	CZ-KPU2			-					
OUTDOOR		MODEL				U-71PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.36	0.33	0.32	8.40	8.10	7.90	-	-	
	INPUT POWER	W	40	40	40	1.760k	1.760k	1.760k	-	-	
		TOTAL W	-			1.800k	1.800k	1.800k	450	2.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	900	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.94	3.94 / A	3.94	5.56	3.02	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	7.4	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	336	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/31/28								
		Power Level dB	54/48/45								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.35	0.32	0.31	9.30	9.00	8.70	-	-	
	INPUT POWER	W	40	40	40	1.960k	1.960k	1.960k	-	-	
		TOTAL W	-			2.000k	2.000k	2.000k	400	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	5.00	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2424	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/31/28			-			/	/	
		Power Level dB	54/48/45			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.36/40	0.33/40	0.32/40	18.0/3.800k	18.0/3.930k	18.0/4.060k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	9.30/2.0k	9.00/2.0k	8.70/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	22		(777)						
	HEAT	m^3/min (ft^3/min)	22		(777)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRODUCT	HEIGHT : H mm(inch)		256 (10-3/32)			996 (39-7/32)			/		
	WIDTH : W mm(inch)		840 (33-3/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		840 (33-3/32)			340 (13-13/32)			/		
PACKAGE	HEIGHT : H mm		298			1136			/		
	WIDTH : W mm		929			1055			/		
	DEPTH : D mm		929			485			/		
MASS	(NET) kg(lb)		24 (53)			69 (153)			/		
	(GROSS) kg(lb)		30 (67)			77 (170)			/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-71PU1E5×2 / U-140PE1E5

INDOOR			MODEL	S-71PU1E5×2							
PANEL			MODEL	CZ-KPU2×2			-				
OUTDOOR			MODEL				U-140PE1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.36×2	0.33×2	0.32×2	19.8	19.2	18.6	-	-
	INPUT POWER		W	40×2	40×2	40×2	4.230k	4.230k	4.230k	-	-
			TOTAL W		-		4.310k	4.310k	4.310k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	2155	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.25	3.25 / A	3.25	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	37/31/28							
			Power Level dB	54/48/45							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.35×2	0.32×2	0.31×2	19.9	19.3	18.7	-	-
	INPUT POWER		W	40×2	40×2	40×2	4.250k	4.250k	4.250k	-	-
			TOTAL W		-		4.330k	4.330k	4.330k	900	5.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	4.56	3.05
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-	-
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	37/31/28			-			/	/
			Power Level dB	54/48/45			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			/	/
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.36×2/40×2	0.33×2/40×2	0.32×2/40×2	30.0/6.450k	30.0/6.650k	30.0/6.850k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	19.9/3.0k	19.3/3.0k	18.7/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	22×2		(777)×2					
	HEAT		m^3/min (ft^3/min)	22×2		(777)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			24			98			/	
	(GROSS) kg(lb)			30			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition		Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30(OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-100PU1E5 / U-100PE1E5

INDOOR		MODEL	S-100PU1E5								
PANEL		MODEL	CZ-KPU2			-					
OUTDOOR		MODEL				U-100PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.73	0.71	0.71	10.7	10.3	9.90	-	-	
	INPUT POWER	W	95	95	95	2.285k	2.285k	2.285k	-	-	
		TOTAL W	-			2.380k	2.380k	2.380k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1190	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.20	4.20 / A	4.20	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.6	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	530	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	97	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/38/32								
		Power Level dB	62/55/49								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.66	0.65	0.64	11.8	11.4	11.0	-	-	
	INPUT POWER	W	85	85	85	2.515k	2.515k	2.515k	-	-	
		TOTAL W	-			2.600k	2.600k	2.600k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-	-	-	
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3333	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/38/32			-			/	/	
		Power Level dB	62/55/49			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.73/95	0.71/95	0.71/95	25.0/5.350k	25.0/5.550k	25.0/5.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	11.8/3.0k	11.4/3.0k	11.0/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			90			90x2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	33		(1165)						
	HEAT	m^3/min (ft^3/min)	33		(1165)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		319 (12-9/16)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		840 (33-3/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		840 (33-3/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		361			1556			/		
	WIDTH : W mm		929			1055			/		
	DEPTH : D mm		929			485			/		
MASS	(NET) kg(lb)		27			98			/		
	(GROSS) kg(lb)		34			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-125PU1E5 / U-125PE1E5

INDOOR			MODEL	S-125PU1E5							
PANEL			MODEL	CZ-KPU2			-				
OUTDOOR			MODEL				U-125PE1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.77	0.76	0.73	15.8	15.3	14.8	-	-
	INPUT POWER		W	100	100	100	3.370k	3.370k	3.370k	-	-
			TOTAL W	-			3.470k	3.470k	3.470k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1735	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/39/33							
			Power Level dB	63/59/50							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.75	0.73	0.73	15.9	15.4	14.9	-	-
	INPUT POWER		W	100	100	100	3.400k	3.400k	3.400k	-	-
			TOTAL W	-			3.500k	3.500k	3.500k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/39/33			-			/	/
			Power Level dB	63/56/50			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.77/100	0.76/100	0.73/100	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	15.9/3.0k	15.4/3.0k	14.9/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9		(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	35		(1236)					
	HEAT		m^3/min (ft^3/min)	35		(1236)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO D	HEIGHT : H mm(inch)			319 (12-9/16)			1416 (55-3/4)			/	
PRO I	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC D	HEIGHT : H mm			361			1556			/	
PAC I	WIDTH : W mm			929			1055			/	
PAC M	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			27			98			/	
	(GROSS) kg(lb)			34			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15(OD located lower) /3 0 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-140PU1E5 / U-140PE1E5

INDOOR		MODEL	S-140PU1E5								
PANEL		MODEL	CZ-KPU2			-					
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.90	0.89	0.87	19.6	19.0	18.4	-	-	
	INPUT POWER	W	115	115	115	4.195k	4.195k	4.195k	-	-	
		TOTAL W	-			4.310k	4.310k	4.310k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2155	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.25	3.25 / A	3.25	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/40/34								
		Power Level dB	64/57/51								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.83	0.80	0.79	19.8	19.2	18.6	-	-	
	INPUT POWER	W	105	105	105	4.225k	4.225k	4.225k	-	-	
		TOTAL W	-			4.330k	4.330k	4.330k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-	-	-	
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/40/34			-			/	/	
		Power Level dB	64/57/51			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.90/115	0.89/115	0.87/115	30.0/6.450k	30.0/6.650k	30.0/6.850k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	19.8/3.0k	19.2/3.0k	18.6/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			90			90x2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	36		(1271)						
	HEAT	m^3/min (ft^3/min)	36		(1271)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		319 (12-9/16)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		840 (33-3/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		840 (33-3/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		361			1556			/		
	WIDTH : W mm		929			1055			/		
	DEPTH : D mm		929			485			/		
MASS	(NET) kg(lb)		27			98			/		
	(GROSS) kg(lb)		34			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-36PU1E5×2 / U-71PE1E8

INDOOR			MODEL	S-36PU1E5×2							
PANEL			MODEL	CZ-KPU2×2			-				
OUTDOOR			MODEL				U-71PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				3.2	8.2
			BTU/h	24200	24200	24200				10900	28000
	CURRENT		A	0.19×2	0.19×2	0.18×2	2.80	2.70	2.60	-	-
	INPUT POWER		W	20×2	20×2	20×2	1.760k	1.760k	1.760k	-	-
			TOTAL W		-		1.800k	1.800k	1.800k	560	2.700k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	900	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.94	3.94 / A	3.94	5.71	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	6.8	-		
		Annual consumption	kWh	-	-	-	-	365	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	96	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	30/28/27							
			Power Level dB	47/45/44							
	NOISE OUTDOOR (H/L)		dB-A				48/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	8.0	8.0	8.0				2.8	9.0
			BTU/h	27300	27300	27300				9600	30700
	CURRENT		A	0.17×2	0.17×2	0.16×2	3.10	3.00	2.90	-	-
	INPUT POWER		W	20×2	20×2	20×2	1.960k	1.960k	1.960k	-	-
			TOTAL W		-		2.000k	2.000k	2.000k	500	2.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	5.60	3.10
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		Tbivalen	°C	-	-	-	-	-8	-		
		SCOP	(W/W)	-	-	-	-	4.0	-		
		Annual consumption	kWh	-	-	-	-	2485	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	96	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	30/28/27			-			/	/
			Power Level dB	47/45/44			-				
	NOISE OUTDOOR (H/L)		dB-A	-			50/-			/	/
			Power Level dB	-			67/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.19×2/20×2	0.19×2/20×2	0.18×2/20×2	7.0/4.150k	7.0/4.360k	7.0/4.530k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	3.10/2.0k	3.00/2.0k	2.90/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×2		(494)×2					
	HEAT		m^3/min (ft^3/min)	14×2		(494)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PRODUCT	D I M	HEIGHT : H mm(inch)		256 (10-3/32)			996 (39-7/32)			/	
		WIDTH : W mm(inch)		840 (33-3/32)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		840 (33-3/32)			340 (13-13/32)			/	
PACAKING	D I M	HEIGHT : H mm		298			1136			/	
		WIDTH : W mm		929			1055			/	
		DEPTH : D mm		929			485			/	
MASS		(NET) kg(lb)		23 (51)			71 (157)			/	
		(GROSS) kg(lb)		29 (64)			79 (175)			/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition		Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-36PU1E5×3 / U-100PE1E8

INDOOR		MODEL	S-36PU1E5×3								
PANEL		MODEL	CZ-KPU2×3			-					
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.19×3	0.19×3	0.18×3	3.75	3.55	3.45	-	-	
	INPUT POWER	W	20×3	20×3	20×3	2.320k	2.320k	2.320k	-	-	
		TOTAL W		-		2.380k	2.380k	2.380k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1190	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.20	4.20 / A	4.20	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	538	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	30/28/27								
		Power Level dB	47/45/44								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.17×3	0.17×3	0.16×3	4.10	3.90	3.80	-	-	
	INPUT POWER	W	20×3	20×3	20×3	2.540k	2.540k	2.540k	-	-	
		TOTAL W		-		2.600k	2.600k	2.600k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-	-	-	
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3333	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	30/28/27			-			/	/	
		Power Level dB	47/45/44			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.19×3/20×3	0.19×3/20×3	0.18×3/20×3	9.00/5.550k	9.00/5.850k	9.00/6.100k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.10/3.0k	3.90/3.0k	3.80/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60×3			90x2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(2.0×3)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14×3		(494)×3						
	HEAT	m^3/min (ft^3/min)	14×3		(494)×3						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		256 (10-3/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		840 (33-3/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		840 (33-3/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		298			1556			/		
	WIDTH : W mm		929			1055			/		
	DEPTH : D mm		929			485			/		
MASS	(NET) kg(lb)		23			98			/		
	(GROSS) kg(lb)		29			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-36PU1E5×4 / U-125PE1E8

INDOOR			MODEL	S-36PU1E5×4							
PANEL			MODEL	CZ-KPU2×4			-				
OUTDOOR			MODEL				U-125PE1E8				
Branch pipe			MODEL	CZ-P155BK1×3							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.19×4	0.19×4	0.18×4	5.50	5.20	5.05	-	-
	INPUT POWER		W	20×4	20×4	20×4	3.390k	3.390k	3.390k	-	-
			TOTAL W		-		3.470k	3.470k	3.470k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	1735	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A		30/28/27						
			Power Level dB		47/45/44						
	NOISE OUTDOOR (H/L)		dB-A					53/-			
			Power Level dB					70/-			
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.17×4	0.17×4	0.16×4	5.55	5.25	5.10	-	-
	INPUT POWER		W	20×4	20×4	20×4	3.420k	3.420k	3.420k	-	-
			TOTAL W		-		3.500k	3.500k	3.500k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-	-
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A		30/28/27			-		/	/
			Power Level dB		47/45/44			-			
	NOISE OUTDOOR (H/L)		dB-A		-			53/-		/	/
			Power Level dB		-			70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP						-				
MAX CURRENT(A)/MAX INPUT POWER(W)				0.19×4/20×4	0.19×4/20×4	0.18×4/20×4	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.55/3.0k	5.25/3.0k	5.10/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-			
FM OUTPUT (W)					60×4			90x2		/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(1.98×4)	(16.6)		-			
External static pressure			Pa		-						
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×4		(494)×4					
	HEAT		m^3/min (ft^3/min)	14×4		(494)×4					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRODUCT	HEIGHT : H mm(inch)				256 (10-3/32)			1416 (55-3/4)		/	
	WIDTH : W mm(inch)				840 (33-3/32)			940 (37-1/32)		/	
	DEPTH : D mm(inch)				840 (33-3/32)			340 (13-13/32)		/	
PACKAGE	HEIGHT : H mm				298			1556		/	
	WIDTH : W mm				929			1055		/	
	DEPTH : D mm				929			485		/	
MASS	(NET) kg(lb)				23			98		/	
	(GROSS) kg(lb)				29			108		/	
LAYERS LIMIT (actually)					11 (12)			1 (2)			
Operation Condition			Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C			
			Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C			
PIPING	PIPE DIAMETER mm (inch)				(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			
	CONNECT METHOD, STD LENGTH m (ft)				flared type, 5.0(16.4)			flared type, 5.0(16.4)			
	PIPE LENGTH RANGE m (ft)				5 ~ 75			(16.4 ~ 246.1)		~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)				15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)			
	ADD GAS AMOUNT g/m (oz/ft)					50		(537.6)			
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)					20		(65.6)			

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-45PU1E5×3 / U-125PE1E8

INDOOR			MODEL	S-45PU1E5×3							
PANEL			MODEL	CZ-KPU2×3			-				
OUTDOOR			MODEL				U-125PE1E8				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.19×3	0.19×3	0.19×3	5.50	5.25	5.05	-	-
	INPUT POWER		W	20×3	20×3	20×3	3.410k	3.410k	3.410k	-	-
			TOTAL W		-		3.470k	3.470k	3.470k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	1735	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	31/28/27							
			Power Level dB	48/45/44							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.17×3	0.17×3	0.17×3	5.55	5.30	5.10	-	-
	INPUT POWER		W	20×3	20×3	20×3	3.440k	3.440k	3.440k	-	-
			TOTAL W		-		3.500k	3.500k	3.500k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-	-
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	31/28/27			-			/	/
			Power Level dB	48/45/44			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.19×3/20×3	0.19×3/20×3	0.18×3/20×3	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.55/3.0k	5.30/3.0k	5.10/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×3			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(2.63×3)	(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	15×3		(530)×3					
	HEAT		m^3/min (ft^3/min)	15×3		(530)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			23			98			/	
	(GROSS) kg(lb)			29			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-50PU1E5×2 / U-100PE1E8

INDOOR			MODEL	S-50PU1E5×2							
PANEL			MODEL	CZ-KPU2×2			-				
OUTDOOR			MODEL				U-100PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.22×2	0.22×2	0.21×2	3.75	3.55	3.45	-	-
	INPUT POWER		W	25×2	25×2	25×2	2.330k	2.330k	2.330k	-	-
			TOTAL W	-			2.380k	2.380k	2.380k	840	3.700k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1190	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.20	4.20 / A	4.20	3.93	3.38
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.5	-		
		Annual consumption	kWh	-	-	-	-	538	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	94	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	32/29/27							
			Power Level dB	49/46/44							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.20×2	0.20×2	0.19×2	4.10	3.90	3.80	-	-
	INPUT POWER		W	25×2	25×2	25×2	2.550k	2.550k	2.550k	-	-
			TOTAL W	-			2.600k	2.600k	2.600k	900	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-	-	-
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	4.2	-		
		Annual consumption	kWh	-	-	-	-	3333	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	32/29/27			-			/	/
			Power Level dB	49/46/44			-				
	NOISE OUTDOOR (H/L)		dB-A	-			52/-			/	/
			Power Level dB	-			69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.22×2/25×2	0.22×2/25×2	0.21×2/25×2	9.00/5.550k	9.00/5.850k	9.00/6.100k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	4.10/3.0k	3.90/3.0k	3.80/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×2		(565)×2					
	HEAT		m^3/min (ft^3/min)	16×2		(565)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			23			98			/	
	(GROSS) kg(lb)			29			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition		Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-50PU1E5×3 / U-140PE1E8

INDOOR			MODEL	S-50PU1E5×3							
PANEL			MODEL	CZ-KPU2×3			-				
OUTDOOR			MODEL				U-140PE1E8				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.22×3	0.22×3	0.21×3	6.80	6.50	6.25	-	-
	INPUT POWER		W	25×3	25×3	25×3	4.235k	4.235k	4.235k	-	-
			TOTAL W		-		4.310k	4.310k	4.310k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	2155	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.25	3.25 / A	3.25	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A		32/29/27						
			Power Level dB		49/46/44						
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					71/-			
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.20×3	0.20×3	0.19×3	6.90	6.55	6.30	-	-
	INPUT POWER		W	25×3	25×3	25×3	4.255k	4.255k	4.255k	-	-
			TOTAL W		-		4.330k	4.330k	4.330k	900	5.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	4.56	3.05
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-	-
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A		32/29/27			-		/	/
			Power Level dB		49/46/44			-			
	NOISE OUTDOOR (H/L)		dB-A		-			55/-		/	/
			Power Level dB		-			71/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP						-				
MAX CURRENT(A)/MAX INPUT POWER(W)				0.22×3/25×3	0.22×3/25×3	0.21×3/25×3	11.0/6.800k	11.0/7.150k	11.0/7.450k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.90/3.0k	6.55/3.0k	6.30/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-			
FM OUTPUT (W)					60×3			90x2		/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(3.0×3)	(18.9)		-			
External static pressure			Pa		-						
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×3		(565)×3					
	HEAT		m^3/min (ft^3/min)	16×3		(565)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			23			98			/	
	(GROSS) kg(lb)			29			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-60PU1E5×2 / U-125PE1E8

INDOOR			MODEL	S-60PU1E5×2							
PANEL			MODEL	CZ-KPU2×2			-				
OUTDOOR			MODEL				U-125PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.32×2	0.31×2	0.30×2	5.50	5.20	5.05	-	-
	INPUT POWER		W	35×2	35×2	35×2	3.400k	3.400k	3.400k	-	-
			TOTAL W	-			3.470k	3.470k	3.470k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1735	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	36/31/28							
			Power Level dB	53/48/45							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.30×2	0.30×2	0.29×2	5.55	5.25	5.10	-	-
	INPUT POWER		W	35×2	35×2	35×2	3.430k	3.430k	3.430k	-	-
			TOTAL W	-			3.500k	3.500k	3.500k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-	-
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	36/31/28			-			/	/
			Power Level dB	53/48/45			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.32×2/35×2	0.31×2/35×2	0.30×2/35×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.55/3.0k	5.25/3.0k	5.10/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21×2		(742)×2					
	HEAT		m^3/min (ft^3/min)	21×2		(742)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRODUCT	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PACKAGE	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			24			98			/	
	(GROSS) kg(lb)			30			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition		Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-71PU1E5 / U-71PE1E8

INDOOR		MODEL	S-71PU1E5								
PANEL		MODEL	CZ-KPU2			-					
OUTDOOR		MODEL				U-71PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				3.2	8.0	
		BTU/h	24200	24200	24200				10900	27300	
	CURRENT	A	0.36	0.33	0.32	2.80	2.70	2.60	-	-	
	INPUT POWER	W	40	40	40	1.760k	1.760k	1.760k	-	-	
		TOTAL W		-		1.800k	1.800k	1.800k	560	2.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	900	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.94	3.94 / A	3.94	5.71	3.02	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	365	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	96	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/31/28								
		Power Level dB	54/48/45								
	NOISE OUTDOOR (H/L)	dB-A				48					
		Power Level dB				65					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.8	9.0	
		BTU/h	27300	27300	27300				9600	30700	
	CURRENT	A	0.35	0.32	0.31	3.10	3.00	2.90	-	-	
	INPUT POWER	W	40	40	40	1.960k	1.960k	1.960k	-	-	
		TOTAL W		-		2.000k	2.000k	2.000k	500	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	5.60	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2485	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	96	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/31/28			-			/	/	
		Power Level dB	54/48/45			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50			/	/	
		Power Level dB	-			67					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.36/40	0.33/40	0.32/40	7.0/4.150k	7.0/4.360k	7.0/4.530k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	3.10/2.0k	3.00/2.0k	2.90/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60			90		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	22		(777)						
	HEAT	m^3/min (ft^3/min)	22		(777)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRODUCT	HEIGHT : H mm(inch)		256 (10-3/32)			996 (39-7/32)			/		
	WIDTH : W mm(inch)		840 (33-3/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		840 (33-3/32)			340 (13-13/32)			/		
PACKAGE	HEIGHT : H mm		298			1136			/		
	WIDTH : W mm		929			1055			/		
	DEPTH : D mm		929			485			/		
MASS	(NET) kg(lb)		24 (53)			71 (157)			/		
	(GROSS) kg(lb)		30 (67)			79 (175)			/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-71PU1E5×2 / U-140PE1E8

INDOOR			MODEL	S-71PU1E5×2							
PANEL			MODEL	CZ-KPU2×2			-				
OUTDOOR			MODEL				U-140PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.36×2	0.33×2	0.32×2	6.80	6.50	6.25	-	-
	INPUT POWER		W	40×2	40×2	40×2	4.230k	4.230k	4.230k	-	-
			TOTAL W		-		4.310k	4.310k	4.310k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	2155	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.25	3.25 / A	3.25	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	37/31/28							
			Power Level dB	54/48/45							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.35×2	0.32×2	0.31×2	6.90	6.55	6.30	-	-
	INPUT POWER		W	40×2	40×2	40×2	4.250k	4.250k	4.250k	-	-
			TOTAL W		-		4.330k	4.330k	4.330k	900	5.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	4.56	3.05
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-	-
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	37/31/28			-			/	/
			Power Level dB	54/48/45			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			/	/
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.36×2/40×2	0.33×2/40×2	0.32×2/40×2	11.0/6.800k	11.0/7.150k	11.0/7.450k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.90/3.0k	6.55/3.0k	6.30/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-			
FM OUTPUT (W)					60×2			90x2		/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(4.5×2)	(18.9)		-			
External static pressure			Pa		-						
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	22×2		(777)×2					
	HEAT		m^3/min (ft^3/min)	22×2		(777)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 (10-3/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			24			98			/	
	(GROSS) kg(lb)			30			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30(OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-100PU1E5 / U-100PE1E8

INDOOR		MODEL	S-100PU1E5								
PANEL		MODEL	CZ-KPU2			-					
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.73	0.71	0.71	3.70	3.50	3.40	-	-	
	INPUT POWER	W	95	95	95	2.285k	2.285k	2.285k	-	-	
		TOTAL W	-			2.380k	2.380k	2.380k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1190	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.20	4.20 / A	4.20	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	538	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/38/32								
		Power Level dB	62/55/49								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.66	0.65	0.64	4.05	3.85	3.75	-	-	
	INPUT POWER	W	85	85	85	2.515k	2.515k	2.515k	-	-	
		TOTAL W	-			2.600k	2.600k	2.600k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-	-	-	
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3333	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/38/32			-			/	/	
		Power Level dB	62/55/49			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.73/95	0.71/95	0.71/95	9.00/5.550k	9.00/5.850k	9.00/6.100k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.05/3.0k	3.85/3.0k	3.75/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			90			90x2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	33		(1165)						
	HEAT	m^3/min (ft^3/min)	33		(1165)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		319 (12-9/16)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		840 (33-3/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		840 (33-3/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		361			1556			/		
	WIDTH : W mm		929			1055			/		
	DEPTH : D mm		929			485			/		
MASS	(NET) kg(lb)		27			98			/		
	(GROSS) kg(lb)		34			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-125PU1E5 / U-125PE1E8

INDOOR		MODEL	S-125PU1E5								
PANEL		MODEL	CZ-KPU2			-					
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.77	0.76	0.73	5.45	5.15	5.00	-	-	
	INPUT POWER	W	100	100	100	3.370k	3.370k	3.370k	-	-	
		TOTAL W		-		3.470k	3.470k	3.470k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1735	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A		45/39/33							
		Power Level dB		63/59/50							
	NOISE OUTDOOR (H/L)	dB-A					53/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.75	0.73	0.73	5.50	5.20	5.05	-	-	
	INPUT POWER	W	100	100	100	3.400k	3.400k	3.400k	-	-	
		TOTAL W		-		3.500k	3.500k	3.500k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A		45/39/33			-		/	/	
		Power Level dB		63/56/50			-				
	NOISE OUTDOOR (H/L)	dB-A		-			53/-		/	/	
		Power Level dB		-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.77/100	0.76/100	0.73/100	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.50/3.0k	5.20/3.0k	5.05/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90x2		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	35		(1236)						
	HEAT	m^3/min (ft^3/min)	35		(1236)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		319 (12-9/16)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		840 (33-3/32)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		840 (33-3/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		361			1556			/		
PAC I	WIDTH : W mm		929			1055			/		
PAC M	DEPTH : D mm		929			485			/		
MASS	(NET) kg(lb)		27			98			/		
	(GROSS) kg(lb)		34			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15(OD located lower) /3 0 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

1. 4-Way Cassette Type S-140PU1E5 / U-140PE1E8

INDOOR			MODEL	S-140PU1E5							
PANEL			MODEL	CZ-KPU2			-				
OUTDOOR			MODEL				U-140PE1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.90	0.89	0.87	6.75	6.45	6.20	-	-
	INPUT POWER		W	115	115	115	4.195k	4.195k	4.195k	-	-
			TOTAL W	-			4.310k	4.310k	4.310k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2155	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.25	3.25 / A	3.25	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	46/40/34							
			Power Level dB	64/57/51							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.83	0.80	0.79	6.85	6.50	6.25	-	-
	INPUT POWER		W	105	105	105	4.225k	4.225k	4.225k	-	-
			TOTAL W	-			4.330k	4.330k	4.330k	900	5.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	4.56	3.05
	Erp ※6	Pdsign	kW	-	-	-	-	-	-	-	-
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	46/40/34			-			/	/
			Power Level dB	64/57/51			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			/	/
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.90/115	0.89/115	0.87/115	11.0/6.800k	11.0/7.150k	11.0/7.450k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.85/3.0k	6.50/3.0k	6.25/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0		(18.9)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	36		(1271)					
	HEAT		m^3/min (ft^3/min)	36		(1271)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			319 (12-9/16)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			361			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			27			98			/	
	(GROSS) kg(lb)			34			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-36PY1E5×2 / U-71PE1E5

INDOOR		MODEL	S-36PY1E5×2								
PANEL		MODEL	CZ-KPY2×2			-					
OUTDOOR		MODEL				U-71PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.18×2	0.18×2	0.17×2	9.6	9.3	9.0	-	-	
	INPUT POWER	W	26×2	27×2	27×2	2.010k	2.010k	2.010k	-	-	
		TOTAL W		-		2.065k	2.065k	2.065k	450	2.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1032.5	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.44	3.44 / A	3.44	5.56	3.02	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	401	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	32/29/26								
		Power Level dB	49/46/42								
	NOISE OUTDOOR (H/L)	dB-A				48					
		Power Level dB				65					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.15×2	0.15×2	0.14×2	10.0	9.7	9.4	-	-	
	INPUT POWER	W	17×2	17×2	18×2	2.115k	2.115k	2.115k	-	-	
		TOTAL W		-		2.150k	2.150k	2.150k	400	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.72	3.72 / A	3.72	5.00	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2616	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	32/29/26				-		/	/	
		Power Level dB	49/46/42				-				
	NOISE OUTDOOR (H/L)	dB-A		-			50/-		/	/	
		Power Level dB		-			67/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP					-					
MAX CURRENT(A)/MAX INPUT POWER(W)			0.18×2/26×2	0.18×2/27×2	0.17×2/27×2	18.0/3.800k	18.0/3.930k	18.0/4.060k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	10.0/2.0k	9.70/2.0k	9.40/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				20×2			90		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2 (2.1×2)		(8.8)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m³/min (ft³/min)	9×2		(318)×2						
	HEAT	m³/min (ft³/min)	9×2		(318)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				60		(2119)			
	HEAT	m³/min (ft³/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO D	HEIGHT : H mm(inch)		283 (11-9/64)			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		575 (21-41/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		575 (21-41/64)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		290 (11-27/64)			1136			/		
PAC I	WIDTH : W mm		714 (28-7/64)			1055			/		
PAC M	DEPTH : D mm		630 (24-51/64)			485			/		
MASS	(NET) kg(lb)		16 (35.3)			69 (153)			/		
	(GROSS) kg(lb)		19 (41.9)			77 (170)			/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-36PY1E5×3 / U-100PE1E5

INDOOR		MODEL	S-36PY1E5×3								
PANEL		MODEL	CZ-KPY2×3			-					
OUTDOOR		MODEL				U-100PE1E5					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.18×3	0.18×3	0.17×3	12.2	11.8	11.3	-	-	
	INPUT POWER	W	26×3	27×3	27×3	2.600k	2.600k	2.600k	-	-	
		TOTAL W	-			2.680k	2.680k	2.680k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1340	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.73	3.72 / A	3.72	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	538	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	97	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	32/29/26								
		Power Level dB	49/46/42								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.15×3	0.15×3	0.14×3	13.5	13.0	12.6	-	-	
	INPUT POWER	W	17×3	17×3	18×3	2.870k	2.870k	2.870k	-	-	
		TOTAL W	-			2.930k	2.930k	2.930k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.82	3.82 / A	3.82	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	9.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3500	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	32/29/26			-			/	/	
		Power Level dB	49/46/42			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.18×3/26×3	0.18×3/27×3	0.17×3/27×3	25.0/5.350k	25.0/5.550k	25.0/5.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	13.4/3.0k	13.0/3.0k	12.6/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			20×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (2.0×3)		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	9×3		(318)×3						
	HEAT	m^3/min (ft^3/min)	9×3		(318)×3						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		283 (11-9/64)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		575 (22-41/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		575 (22-41/64)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		290 (11-27/64)			1556			/		
PAC I	WIDTH : W mm		714 (28-7/64)			1055			/		
PAC M	DEPTH : D mm		630 (24-51/64)			485			/		
MASS	(NET) kg(lb)		16 (35.3)			98			/		
	(GROSS) kg(lb)		19 (41.9)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-36PY1E5×4 / U-125PE1E5

INDOOR		MODEL	S-36PY1E5×4								
PANEL		MODEL	CZ-KPY2×4			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	CZ-P155BK1×3								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.18×4	0.18×4	0.17×4	17.5	16.9	16.4	-	-	
	INPUT POWER	W	26×4	27×4	27×4	3.730k	3.730k	3.730k	-	-	
		TOTAL W		-		3.840k	3.840k	3.840k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1920	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.26	3.26 / A	3.26	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		32/29/26							
		Power Level dB		49/46/43							
	NOISE OUTDOOR (H/L)	dB-A					53/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.15×4	0.15×4	0.14×4	17.9	17.3	16.8	-	-	
	INPUT POWER	W	17×4	17×4	18×4	3.830k	3.830k	3.830k	-	-	
		TOTAL W		-		3.900k	3.900k	3.900k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.59	3.60 / A	3.60	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		32/29/26			-		/	/	
		Power Level dB		49/46/43			-				
	NOISE OUTDOOR (H/L)	dB-A		-			53/-		/	/	
		Power Level dB		-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP					-					
MAX CURRENT(A)/MAX INPUT POWER(W)			0.18×4/26×4	0.18×4/27×4	0.17×4/27×4	28.0/6.000k	28.0/6.200k	28.0/6.400k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.9/3.0k	17.3/3.0k	16.8/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				20×4			90×2		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (1.98×4)		(16.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m³/min (ft³/min)	9×4		(318)×4						
	HEAT	m³/min (ft³/min)	9×4		(318)×4						
O/D AIR FLOW	COOL	m³/min (ft³/min)				130		(4591)			
	HEAT	m³/min (ft³/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		283 (11-9/64)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		575 (22-41/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		575 (22-41/64)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		290 (11-27/64)			1556			/		
PAC I	WIDTH : W mm		714 (28-7/64)			1055			/		
PAC M	DEPTH : D mm		630 (24-51/64)			485			/		
MASS	(NET) kg(lb)		16 (35.3)			98			/		
	(GROSS) kg(lb)		19 (41.9)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-45PY1E5×3 / U-125PE1E5

INDOOR		MODEL	S-45PY1E5×3								
PANEL		MODEL	CZ-KPY2×3			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.21×3	0.21×3	0.20×3	17.5	16.9	16.4	-	-	
	INPUT POWER	W	30×3	31×3	31×3	3.730k	3.730k	3.730k	-	-	
		TOTAL W	-			3.820k	3.820k	3.820k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1910	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.27	3.27 / A	3.27	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/28								
		Power Level dB	53/49/45								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.18×3	0.18×3	0.17×3	17.9	17.5	16.8	-	-	
	INPUT POWER	W	20×3	21×3	21×3	3.830k	3.830k	3.830k	-	-	
		TOTAL W	-			3.890k	3.890k	3.890k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/28			-			/	/	
		Power Level dB	53/48/45			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.21×3/30×3	0.21×3/31×3	0.20×3/31×3	28.0/6.000k	28.0/6.200k	28.0/6.400k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.9/3.0k	17.3/3.0k	16.8/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			20×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (2.63×3)		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	10.6×3		(374)×3						
	HEAT	m³/min (ft³/min)	10.6×3		(374)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				130		(4591)			
	HEAT	m³/min (ft³/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		283 (11-9/64)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		575 (22-41/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		575 (22-41/64)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		290 (11-27/64)			1556			/		
PAC I	WIDTH : W mm		714 (28-7/64)			1055			/		
PAC M	DEPTH : D mm		630 (24-51/64)			485			/		
MASS	(NET) kg(lb)		16 (35.3)			98			/		
	(GROSS) kg(lb)		19 (41.9)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-50PY1E5 / U-50PE1E5

INDOOR		MODEL	S-50PY1E5								
PANEL		MODEL	CZ-KPY2			-					
OUTDOOR		MODEL				U-50PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	5.0	5.0	5.0				1.5	5.6	
		BTU/h	17100	17100	17100				5100	19100	
	CURRENT	A	0.29	0.29	0.28	7.80	7.50	7.20	-	-	
	INPUT POWER	W	37	38	38	1.600k	1.600k	1.600k	-	-	
		TOTAL W	-			1.640k	1.640k	1.640k	260	2.450k	
	ANNUAL CONSUMPTION	TOTAL kWh※4	-			820	820	820	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	-	3.04 / B	-	5.77	2.29	
	Erp ※6 Pdsign	kW	-	-	-	-	5.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	297	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR	dB-A (H/M/L)	41/37/33								
		Power Level dB	58/54/50								
	NOISE OUTDOOR	dB-A (H/L)				46/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	5.6	5.6	5.6				1.5	6.3	
		BTU/h	19100	19100	19100				5100	21500	
	CURRENT	A	0.26	0.26	0.25	8.60	8.20	7.90	-	-	
	INPUT POWER	W	29	29	29	1.760k	1.760k	1.760k	-	-	
		TOTAL W	-			1.790k	1.790k	1.790k	220	2.570k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.12	3.12 / D	3.12	6.82	2.45	
	Erp ※6 Pdsign	kW	-	-	-	-	4.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-8	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	1474	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR	dB-A (H/M/L)	41/37/33			-			／	／	
		Power Level dB	58/54/50			-					
	NOISE OUTDOOR	dB-A (H/L)	-			50/-			／	／	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.29/37	0.29/38	0.28/38	12/2.46k	12/2.57k	12/2.68k	／		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	8.60/1.8k	8.20/1.8k	7.90/1.8k	／		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			20			90			／		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	2.8		(5.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	12.5		(441)						
	HEAT	m³/min (ft³/min)	12.5		(441)						
O/D AIR FLOW	COOL	m³/min (ft³/min)				30		(1067)			
	HEAT	m³/min (ft³/min)				35		(1225)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.65k	(58.2)		／	
PRO DIM	HEIGHT : H mm(inch)		283 (11-9/64)			569 (22-13/32)				／	
	WIDTH : W mm(inch)		575 (22-41/64)			790 (31-7/64)				／	
	DEPTH : D mm(inch)		575 (22-41/64)			285 (11-7/32)				／	
PAC DIM	HEIGHT : H mm		290 (11-27/64)			645				／	
	WIDTH : W mm		714 (28-7/64)			921				／	
	DEPTH : D mm		630 (24-51/64)			386				／	
MASS	(NET) kg(lb)		16 (35.3)			42 (93)				／	
	(GROSS) kg(lb)		19 (41.9)			46 (101)				／	
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat (DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 40 (16.4 ~ 131.2)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		20 (0.215)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-50PY1E5×2 / U-100PE1E5

INDOOR		MODEL	S-50PY1E5×2								
PANEL		MODEL	CZ-KPY2×2			-					
OUTDOOR		MODEL				U-100PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.29×2	0.29×2	0.28×2	12.2	11.8	11.3	-	-	
	INPUT POWER	W	37×2	38×2	38×2	2.600k	2.600k	2.600k	-	-	
		TOTAL W	-			2.680k	2.680k	2.680k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1340	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.73	3.73 / A	3.73	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	538	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	97	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/37/33								
		Power Level dB	58/54/50								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.26×2	0.26×2	0.25×2	13.4	13.0	12.6	-	-	
	INPUT POWER	W	29×2	29×2	29×2	2.870k	2.870k	2.870k	-	-	
		TOTAL W	-			2.930k	2.930k	2.930k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.82	3.82 / A	3.82	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	9.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3500	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/37/33			-			/	/	
		Power Level dB	58/54/50			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.29×2/37×2	0.29×2/38×2	0.28×2/38×2	25.0/5.350k	25.0/5.550k	25.0/5.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	13.4/3.0k	13.0/3.0k	12.6/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			20×2			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (3.0×2)		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	12.5×2		(441)×2						
	HEAT	m³/min (ft³/min)	12.5×2		(441)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				110		(3885)			
	HEAT	m³/min (ft³/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		283 (11-9/64)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		575 (22-41/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		575 (22-41/64)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		290 (11-27/64)			1556			/		
PAC I	WIDTH : W mm		714 (28-7/64)			1055			/		
PAC M	DEPTH : D mm		630 (24-51/64)			485			/		
MASS	(NET) kg(lb)		16 (35.3)			98			/		
	(GROSS) kg(lb)		19 (41.9)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-50PY1E5×3 / U-140PE1E5

INDOOR		MODEL	S-50PY1E5×3								
PANEL		MODEL	CZ-KPY2×3			-					
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.29×3	0.29×3	0.28×3	21.5	20.8	20.1	-	-	
	INPUT POWER	W	37×3	38×3	38×3	4.590k	4.590k	4.590k	-	-	
		TOTAL W		-		4.700k	4.700k	4.700k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2350	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.98	2.98 / C	2.98	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		41/37/33							
		Power Level dB		58/54/50							
	NOISE OUTDOOR (H/L)	dB-A					54/-				
		Power Level dB					71/-				
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.26×3	0.26×3	0.25×3	22.2	21.4	20.8	-	-	
	INPUT POWER	W	29×3	29×3	29×3	4.735k	4.735k	4.735k	-	-	
		TOTAL W		-		4.820k	4.820k	4.820k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.32	3.32 / C	3.32	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		41/37/33			-		/	/	
		Power Level dB		58/54/50			-				
	NOISE OUTDOOR (H/L)	dB-A		-			55/-		/	/	
		Power Level dB		-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP					-					
MAX CURRENT(A)/MAX INPUT POWER(W)			0.29×3/37×3	0.29×3/38×3	0.28×3/38×3	30.0/6.450k	30.0/6.650k	30.0/6.850k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	20.0/3.0k	19.5/3.0k	19.0/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				20×3			90×2		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0 (3.0×3)		(18.9)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m³/min (ft³/min)	12.5×3		(441)×3						
	HEAT	m³/min (ft³/min)	12.5×3		(441)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)					135	(4767)			
	HEAT	m³/min (ft³/min)					120	(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)		/	
PRO D	HEIGHT : H mm(inch)		283 (11-9/64)			1416 (55-3/4)				/	
PRO I	WIDTH : W mm(inch)		575 (22-41/64)			940 (37-1/32)				/	
PRO M	DEPTH : D mm(inch)		575 (22-41/64)			340 (13-13/32)				/	
PAC D	HEIGHT : H mm		290 (11-27/64)			1556				/	
PAC I	WIDTH : W mm		714 (28-7/64)			1055				/	
PAC M	DEPTH : D mm		630 (24-51/64)			485				/	
MASS	(NET) kg(lb)		16 (35.3)			98				/	
	(GROSS) kg(lb)		19 (41.9)			108				/	
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-36PY1E5×2 / U-71PE1E8

INDOOR			MODEL	S-36PY1E5×2							
PANEL			MODEL	CZ-KPY2×2			-				
OUTDOOR			MODEL				U-71PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				3.2	8.0
			BTU/h	24200	24200	24200				10900	27300
	CURRENT		A	0.18×2	0.18×2	0.17×2	3.20	3.10	3.00	-	-
	INPUT POWER		W	26×2	27×2	27×2	2.010k	2.010k	2.010k	-	-
			TOTAL W		-		2.065k	2.065k	2.065k	560	2.650k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	1032.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.44	3.44 / A	3.44	5.71	3.02
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	5.8	-		
		Annual consumption	kWh	-	-	-	-	428	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	95	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	32/29/26							
			Power Level dB	49/46/42							
	NOISE OUTDOOR (H/L)		dB-A				48				
			Power Level dB				65				
HEATING	CAPACITY		kW	8.0	8.0	8.0				2.8	9.0
			BTU/h	27300	27300	27300				9600	30700
	CURRENT		A	0.15×2	0.15×2	0.14×2	3.35	3.25	3.15	-	-
	INPUT POWER		W	17×2	17×2	18×2	2.115k	2.115k	2.115k	-	-
			TOTAL W		-		2.150k	2.150k	2.150k	500	2.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.72	3.72 / A	3.72	5.60	3.10
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		Tbivalen	°C	-	-	-	-	-7	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	2616	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	96	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	32/29/26				-		/	/
			Power Level dB	49/46/42				-			
	NOISE OUTDOOR (H/L)		dB-A		-			50/-		/	/
			Power Level dB		-			67/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP						-				
MAX CURRENT(A)/MAX INPUT POWER(W)				0.18×2/26×2	0.18×2/27×2	0.17×2/27×2	7.0/4.150k	7.0/4.360k	7.0/4.530k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	3.35/2.0k	3.25/2.0k	3.15/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-			
FM OUTPUT (W)					20×2			90		/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2 (2.1×2)		(8.8)		-			
External static pressure			Pa		-						
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	9×2		(318)×2					
	HEAT		m^3/min (ft^3/min)	9×2		(318)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PRO D	HEIGHT : H mm(inch)			283 (11-9/64)			996 (39-7/32)			/	
PRO I	WIDTH : W mm(inch)			575 (22-41/64)			940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			575 (22-41/64)			340 (13-13/32)			/	
PAC D	HEIGHT : H mm			290 (11-27/64)			1136			/	
PAC I	WIDTH : W mm			714 (28-7/64)			1055			/	
PAC M	DEPTH : D mm			630 (24-51/64)			485			/	
MASS	(NET) kg(lb)			16 (35.3)			71 (157)			/	
	(GROSS) kg(lb)			19 (41.9)			79 (175)			/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat O.D(DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-36PY1E5×3 / U-100PE1E8

INDOOR		MODEL	S-36PY1E5×3								
PANEL		MODEL	CZ-KPY2×3			-					
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.18×3	0.18×3	0.17×3	4.2	4.0	3.9	-	-	
	INPUT POWER	W	26×3	27×3	27×3	2.600k	2.600k	2.600k	-	-	
		TOTAL W		-		2.680k	2.680k	2.680k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1340	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.73	3.72 / A	3.72	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	555	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	32/29/26								
		Power Level dB	49/46/42								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.15×3	0.15×3	0.14×3	4.6	4.4	4.3	-	-	
	INPUT POWER	W	17×3	17×3	18×3	2.870k	2.870k	2.870k	-	-	
		TOTAL W		-		2.930k	2.930k	2.930k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.82	3.82 / A	3.82	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	9.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3500	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	32/29/26			-			/	/	
		Power Level dB	49/46/42			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.18×3/26×3	0.18×3/27×3	0.17×3/27×3	9.0/5.550k	9.0/5.850k	9.0/6.100k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.60/3.0k	4.40/3.0k	4.30/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				20×3			90×2		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (2.0×3)		(12.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m³/min (ft³/min)	9×3		(318)×3						
	HEAT	m³/min (ft³/min)	9×3		(318)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				110		(3885)			
	HEAT	m³/min (ft³/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		283 (11-9/64)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		575 (22-41/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		575 (22-41/64)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		290 (11-27/64)			1556			/		
PAC I	WIDTH : W mm		714 (28-7/64)			1055			/		
PAC M	DEPTH : D mm		630 (24-51/64)			485			/		
MASS	(NET) kg(lb)		16 (35.3)			98			/		
	(GROSS) kg(lb)		19 (41.9)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-36PY1E5×4 / U-125PE1E8

INDOOR		MODEL	S-36PY1E5×4								
PANEL		MODEL	CZ-KPY2×4			-					
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	CZ-P155BK1×3								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.18×4	0.18×4	0.17×4	6.0	5.7	5.5	-	-	
	INPUT POWER	W	26×4	27×4	27×4	3.730k	3.730k	3.730k	-	-	
		TOTAL W		-		3.840k	3.840k	3.840k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1920	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.26	3.26 / A	3.26	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	32/29/26								
		Power Level dB	49/46/42								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.15×4	0.15×4	0.14×4	6.2	5.9	5.7	-	-	
	INPUT POWER	W	17×4	17×4	18×4	3.830k	3.830k	3.830k	-	-	
		TOTAL W		-		3.900k	3.900k	3.900k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.59	3.60 / A	3.60	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	32/29/26			-			/	/	
		Power Level dB	49/46/42			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.18×4/26×4	0.18×4/27×4	0.17×4/27×4	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.20/3.0k	5.90/3.0k	5.70/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			20×4			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (1.98×4)		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	9×4		(318)×4						
	HEAT	m³/min (ft³/min)	9×4		(318)×4						
O/D AIR FLOW	COOL	m³/min (ft³/min)				130		(4591)			
	HEAT	m³/min (ft³/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		283 (11-9/64)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		575 (22-41/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		575 (22-41/64)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		290 (11-27/64)			1556			/		
PAC I	WIDTH : W mm		714 (28-7/64)			1055			/		
PAC M	DEPTH : D mm		630 (24-51/64)			485			/		
MASS	(NET) kg(lb)		16 (35.3)			98			/		
	(GROSS) kg(lb)		19 (41.9)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-45PY1E5×3 / U-125PE1E8

INDOOR			MODEL	S-45PY1E5×3							
PANEL			MODEL	CZ-KPY2×3			-				
OUTDOOR			MODEL				U-125PE1E8				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.21×3	0.21×3	0.20×3	6.0	5.7	5.5	-	-
	INPUT POWER		W	30×3	31×3	31×3	3.730k	3.730k	3.730k	-	-
			TOTAL W		-		3.820k	3.820k	3.820k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	1910	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.27	3.27 / A	3.27	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	36/32/28							
			Power Level dB	53/48/45							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.18×3	0.18×3	0.17×3	6.2	5.9	5.7	-	-
	INPUT POWER		W	20×3	21×3	21×3	3.830k	3.830k	3.830k	-	-
			TOTAL W		-		3.890k	3.890k	3.890k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	36/32/28			-			/	/
			Power Level dB	53/48/45			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.21×3/30×3	0.21×3/31×3	0.20×3/31×3	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.20/3.0k	5.90/3.0k	5.70/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				20×3			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9 (2.63×3)		(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	10.6×3		(374)×3					
	HEAT		m^3/min (ft^3/min)	10.6×3		(374)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO D	HEIGHT : H mm(inch)			283 (11-9/64)			1416 (55-3/4)			/	
PRO I	WIDTH : W mm(inch)			575 (22-41/64)			940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			575 (22-41/64)			340 (13-13/32)			/	
PAC D	HEIGHT : H mm			290 (11-27/64)			1556			/	
PAC I	WIDTH : W mm			714 (28-7/64)			1055			/	
PAC M	DEPTH : D mm			630 (24-51/64)			485			/	
MASS	(NET) kg(lb)			16 (35.3)			98			/	
	(GROSS) kg(lb)			19 (41.9)			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C				
			Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-50PY1E5×2 / U-100PE1E8

INDOOR		MODEL	S-50PY1E5×2								
PANEL		MODEL	CZ-KPY2×2			-					
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.29×2	0.29×2	0.28×2	4.2	4.0	3.9	-	-	
	INPUT POWER	W	37×2	38×2	38×2	2.600k	2.600k	2.600k	-	-	
		TOTAL W		-		2.680k	2.680k	2.680k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1340	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.73	3.73 / A	3.73	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	555	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/37/33								
		Power Level dB	58/54/50								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.26×2	0.26×2	0.25×2	4.6	4.4	4.2	-	-	
	INPUT POWER	W	29×2	29×2	29×2	2.870k	2.870k	2.870k	-	-	
		TOTAL W		-		2.930k	2.930k	2.930k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.82	3.82 / A	3.82	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	9.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3500	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/37/33			-			/	/	
		Power Level dB	58/54/50			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.29×2/37×2	0.29×2/38×2	0.28×2/38×2	25.0/5.350k	25.0/5.550k	25.0/5.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	11.2/3.0k	10.8/3.0k	10.4/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			20×2			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (3.0×2)		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	12.5×2		(441)×2						
	HEAT	m³/min (ft³/min)	12.5×2		(441)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				110		(3885)			
	HEAT	m³/min (ft³/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		283 (11-9/64)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		575 (22-41/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		575 (22-41/64)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		290 (11-27/64)			1556			/		
PAC I	WIDTH : W mm		714 (28-7/64)			1055			/		
PAC M	DEPTH : D mm		630 (24-51/64)			485			/		
MASS	(NET) kg(lb)		16 (35.3)			98			/		
	(GROSS) kg(lb)		19 (41.9)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

2. 4-Way Cassette 60×60 Type S-50PY1E5×3 / U-140PE1E8

INDOOR		MODEL	S-50PY1E5×3								
PANEL		MODEL	CZ-KPY2×3			-					
OUTDOOR		MODEL				U-140PE1E8					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.29×3	0.29×3	0.28×3	7.4	7.0	6.8	-	-	
	INPUT POWER	W	37×3	38×3	38×3	4.590k	4.590k	4.590k	-	-	
		TOTAL W		-		4.700k	4.700k	4.700k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2350	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.98	2.98 / C	2.98	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/37/33								
		Power Level dB	58/54/50								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.26×3	0.26×3	0.25×3	7.7	7.3	7.0	-	-	
	INPUT POWER	W	29×3	29×3	29×3	4.735k	4.735k	4.735k	-	-	
		TOTAL W		-		4.820k	4.820k	4.820k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.32	3.32 / C	3.32	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/37/33			-			/	/	
		Power Level dB	58/54/50			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.29×3/37×3	0.29×3/38×3	0.28×3/38×3	11.0/6.800k	11.0/7.150k	11.0/7.450k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.70/3.0k	7.30/3.0k	7.00/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			20×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0 (3.0×3)		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	12.5×3		(441)×3						
	HEAT	m³/min (ft³/min)	12.5×3		(441)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				135		(4767)			
	HEAT	m³/min (ft³/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		283 (11-9/64)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		575 (22-41/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		575 (22-41/64)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		290 (11-27/64)			1556			/		
PAC I	WIDTH : W mm		714 (28-7/64)			1055			/		
PAC M	DEPTH : D mm		630 (24-51/64)			485			/		
MASS	(NET) kg(lb)		16 (35.3)			98			/		
	(GROSS) kg(lb)		19 (41.9)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-36PT1E5×2 / U-71PE1E5

INDOOR		MODEL	S-36PT1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.33×2	0.32×2	0.32×2	10.20	9.90	9.60	-	-	
	INPUT POWER	W	31×2	31×2	31×2	2.138k	2.138k	2.138k	-	-	
		TOTAL W	-			2.200k	2.200k	2.200k	450	2.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1100	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.23	3.23 / A	3.23	5.56	3.02	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	414	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/32/30								
		Power Level dB	53/50/46								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.33×2	0.32×2	0.32×2	10.7	10.4	10.1	-	-	
	INPUT POWER	W	31×2	31×2	31×2	2.268k	2.268k	2.268k	-	-	
		TOTAL W	-			2.330k	2.330k	2.330k	400	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.43	3.43 / B	3.43	5.00	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2840	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/30			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.33×2/31×2	0.32×2/31×2	0.32×2/31×2	18.0/3.800k	18.0/3.930k	18.0/4.060k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	10.7/2.0k	10.4/2.0k	10.1/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2 (2.1×2)		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	12×2		(424)×2						
	HEAT	m³/min (ft³/min)	12×2		(424)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				60		(2119)			
	HEAT	m³/min (ft³/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		910 (35-13/16)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1136			/		
PAC I	WIDTH : W mm		985			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			69 (153)			/		
	(GROSS) kg(lb)		24 (53)			77 (170)			/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-36PT1E5×3 / U-100PE1E5

INDOOR		MODEL	S-36PT1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E5					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.33×3	0.32×3	0.32×3	12.3	11.9	11.4	-	-	
	INPUT POWER	W	31×3	31×3	31×3	2.627k	2.626k	2.625k	-	-	
		TOTAL W	-			2.720k	2.720k	2.720k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1360	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.68	3.68 / A	3.68	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	574	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	97	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/32/30								
		Power Level dB	53/50/46								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.33×3	0.32×3	0.32×3	12.2	11.8	11.4	-	-	
	INPUT POWER	W	31×3	31×3	31×3	2.608k	2.607k	2.606k	-	-	
		TOTAL W	-			2.700k	2.700k	2.700k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.15	4.15 / A	4.15	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3590	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/30			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.33×3/31×3	0.32×3/31×3	0.32×3/31×3	25.0/5.350k	25.0/5.550k	25.0/5.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	12.3/3.0k	11.9/3.0k	11.4/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (2.0×3)		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	12×3		(424)×3						
	HEAT	m^3/min (ft^3/min)	12×3		(424)×3						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		910 (35-13/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		280			1556			/		
	WIDTH : W mm		985			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			98			/		
	(GROSS) kg(lb)		24 (53)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-36PT1E5×4 / U-125PE1E5

INDOOR		MODEL	S-36PT1E5×4								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	CZ-P155BK1×3								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.33×4	0.32×4	0.32×4	17.7	17.1	16.5	-	-	
	INPUT POWER	W	31×4	31×4	31×4	3.775k	3.774k	3.772k	-	-	
		TOTAL W	-			3.900k	3.900k	3.900k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1950	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.21	3.21 / A	3.21	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/32/30								
		Power Level dB	53/50/46								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.33×4	0.32×4	0.32×4	16.8	16.2	15.7	-	-	
	INPUT POWER	W	31×4	31×4	31×4	3.576k	3.575k	3.574k	-	-	
		TOTAL W	-			3.700k	3.700k	3.700k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.78	3.78 / A	3.78	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/30			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.33×4/31×4	0.32×4/31×4	0.32×4/31×4	28.0/6.000k	28.0/6.200k	28.0/6.400k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.7/3.0k	17.1/3.0k	16.5/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×4			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (1.98×4)		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	12×4		(424)×4						
	HEAT	m³/min (ft³/min)	12×4		(424)×4						
O/D AIR FLOW	COOL	m³/min (ft³/min)				130		(4591)			
	HEAT	m³/min (ft³/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		910 (35-13/16)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1556			/		
PAC I	WIDTH : W mm		985			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			98			/		
	(GROSS) kg(lb)		24 (53)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-45PT1E5×3 / U-125PE1E5

INDOOR		MODEL	S-45PT1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.42×3	0.41×3	0.41×3	17.7	17.1	16.5	-	-	
	INPUT POWER	W	41×3	41×3	41×3	3.775k	3.774k	3.772k	-	-	
		TOTAL W		-		3.900k	3.900k	3.900k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1950	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.21	3.21 / A	3.21	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		38/33/30							
		Power Level dB		57/51/46							
	NOISE OUTDOOR (H/L)	dB-A					53/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.42×3	0.41×3	0.41×3	16.8	16.2	15.7	-	-	
	INPUT POWER	W	41×3	41×3	41×3	3.576k	3.575k	3.574k	-	-	
		TOTAL W		-		3.700k	3.700k	3.700k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.78	3.78 / A	3.78	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		39/34/30			-		/	/	
		Power Level dB		57/51/47			-				
	NOISE OUTDOOR (H/L)	dB-A		-			53/-		/	/	
		Power Level dB		-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP					-					
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×3/41×3	0.41×3/41×3	0.41×3/41×3	28.0/6.000k	28.0/6.200k	28.0/6.400k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.7/3.0k	17.1/3.0k	16.5/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				40×3			90×2		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (2.63×3)		(16.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×3		(494)×3						
	HEAT	m³/min (ft³/min)	14×3		(494)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				130		(4591)			
	HEAT	m³/min (ft³/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		910 (35-13/16)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1556			/		
PAC I	WIDTH : W mm		985			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			98			/		
	(GROSS) kg(lb)		24 (53)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-50PT1E5 / U-50PE1E5

INDOOR		MODEL	S-50PT1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-50PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	5.0	5.0	5.0				1.5	5.6	
		BTU/h	17100	17100	17100				5100	19100	
	CURRENT	A	0.42	0.41	0.41	7.70	7.45	7.20	-	-	
	INPUT POWER	W	41	41	41	1.625k	1.625k	1.625k	-	-	
		TOTAL W		-		1.670k	1.670k	1.670k	260	2.350k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	835	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.99	2.99 / C	2.99	5.77	2.38	
	Erp ※6 Pdsign	kW	-	-	-	-	5.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	336	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/33/30								
		Power Level dB	57/51/46								
	NOISE OUTDOOR (H/L)	dB-A				46/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	5.6	5.6	5.6				1.5	6.5	
		BTU/h	19100	19100	19100				5100	22200	
	CURRENT	A	0.42	0.41	0.41	7.60	7.35	7.15	-	-	
	INPUT POWER	W	41	41	41	1.605k	1.605k	1.605k	-	-	
		TOTAL W		-		1.650k	1.650k	1.650k	220	2.600k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.39	3.39 / C	3.39	6.82	2.50	
	Erp ※6 Pdsign	kW	-	-	-	-	4.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	1600	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/33/30			-			/	/	
		Power Level dB	57/51/46			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42/41	0.41/41	0.41/41	12/2.530k	12/2.620k	12/2.710k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.70/1.6k	7.45/1.6k	7.20/1.6k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	2.8		(5.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14		(494)						
	HEAT	m^3/min (ft^3/min)	14		(494)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				30		(1059)			
	HEAT	m^3/min (ft^3/min)				35		(1236)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.65k	(58.2)	/		
PRO D	HEIGHT : H mm(inch)		210		8-9/32	569		22-13/32	/		
PRO I	WIDTH : W mm(inch)		910		35-13/16	790		31-7/64	/		
PRO M	DEPTH : D mm(inch)		680		26-25/32	285		11-7/32	/		
PAC D	HEIGHT : H mm		280			645			/		
PAC I	WIDTH : W mm		985			921			/		
PAC M	DEPTH : D mm		780			386			/		
MASS	(NET) kg(lb)		21		(46)	42		(93)	/		
	(GROSS) kg(lb)		24		(53)	46		(101)	/		
LAYERS LIMIT (actually)			11 (12)			4 (5)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 40 (16.4 ~ 131.2)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) /30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		20 (0.215)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-50PT1E5×2 / U-100PE1E5

INDOOR		MODEL	S-50PT1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.42×2	0.41×2	0.41×2	12.3	11.9	11.4	-	-	
	INPUT POWER	W	41×2	41×2	41×2	2.627k	2.626k	2.625k	-	-	
		TOTAL W		-		2.710k	2.710k	2.710k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1355	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.69	3.69 / A	3.69	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	574	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	97	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A		38/33/30							
		Power Level dB		57/51/46							
	NOISE OUTDOOR (H/L)	dB-A					52/-				
		Power Level dB					69/-				
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.42×2	0.41×2	0.41×2	12.2	11.8	11.4	-	-	
	INPUT POWER	W	41×2	41×2	41×2	2.608k	2.607k	2.606k	-	-	
		TOTAL W		-		2.690k	2.690k	2.690k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.16	4.16 / A	4.16	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3590	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		39/34/30			-		/	/	
		Power Level dB		57/51/47			-				
	NOISE OUTDOOR (H/L)	dB-A		-			52/-		/	/	
		Power Level dB		-			69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP					-					
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×2/41×2	0.41×2/41×2	0.41×2/41×2	25.0/5.350k	25.0/5.550k	25.0/5.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	12.3/3.0k	11.9/3.0k	11.4/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				40×2			90×2		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (3.0×2)		(12.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×2		(494)×2						
	HEAT	m³/min (ft³/min)	14×2		(494)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				110		(3885)			
	HEAT	m³/min (ft³/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		910 (35-13/16)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1556			/		
PAC I	WIDTH : W mm		985			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			98			/		
	(GROSS) kg(lb)		24 (53)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-50PT1E5×3 / U-140PE1E5

INDOOR		MODEL	S-50PT1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.42×3	0.41×3	0.41×3	22.0	21.3	20.6	-	-	
	INPUT POWER	W	41×3	41×3	41×3	4.705k	4.704k	4.702k	-	-	
		TOTAL W	-			4.830k	4.830k	4.830k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2415	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.90	2.90 / C	2.90	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/33/30								
		Power Level dB	57/51/46								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.42×3	0.41×3	0.41×3	21.3	20.6	19.9	-	-	
	INPUT POWER	W	41×3	41×3	41×3	4.546k	4.545k	4.544k	-	-	
		TOTAL W	-			4.670k	4.670k	4.670k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.43	3.43 / B	3.43	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/34/30			-			/	/	
		Power Level dB	57/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×3/41×3	0.41×3/41×3	0.41×3/41×3	30.0/6.450k	30.0/6.650k	30.0/6.850k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	22.0/3.0k	21.3/3.0k	20.6/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0 (3.0×3)		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×3		(494)×3						
	HEAT	m³/min (ft³/min)	14×3		(494)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				135		(4767)			
	HEAT	m³/min (ft³/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		910 (35-13/16)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1556			/		
PAC I	WIDTH : W mm		985			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			98			/		
	(GROSS) kg(lb)		24 (53)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-60PT1E5 / U-60PE1E5

INDOOR		MODEL	S-60PT1E5			-					
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-60PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.5	7.1	
		BTU/h	20500	20500	20500				8500	24200	
	CURRENT	A	0.53	0.52	0.52	7.65	7.40	7.20	-	-	
	INPUT POWER	W	52	52	52	1.548k	1.548k	1.548k	-	-	
		TOTAL W	-			1.600k	1.600k	1.600k	450	2.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	800	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.75	3.75 / A	3.75	5.56	3.55	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.4	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	328	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	92	91	90	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/36/33								
		Power Level dB	58/53/50								
	NOISE OUTDOOR (H/L)	dB-A				48					
		Power Level dB				65					
HEATING	CAPACITY	kW	7.0	7.0	7.0				2.0	8.0	
		BTU/h	23900	23900	23900				6800	27300	
	CURRENT	A	0.53	0.52	0.52	8.60	8.30	8.05	-	-	
	INPUT POWER	W	52	52	52	1.788k	1.788k	1.788k	-	-	
		TOTAL W	-			1.840k	1.840k	1.840k	400	2.480k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	5.00	3.23	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2210	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/33			-			/	/	
		Power Level dB	58/53/50			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50			/	/	
		Power Level dB	-			67					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.53/52	0.52/52	0.52/52	18.0/3.800k	18.0/3.930k	18.0/4.060k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	8.60/1.7k	8.30/1.7k	8.05/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.4		(7.1)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	19		(671)						
	HEAT	m^3/min (ft^3/min)	19		(671)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.00k	(70.5)	/		
PRO DIM	HEIGHT : H mm(inch)		210 (8-9/32)			996 (39-7/32)			/		
	WIDTH : W mm(inch)		1180 (46-15/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		280			1136			/		
	WIDTH : W mm		1255			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		25 (55)			68 (150)			/		
	(GROSS) kg(lb)		28 (62)			76 (168)			/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) /30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-60PT1E5×2 / U-125PE1E5

INDOOR		MODEL	S-60PT1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.53×2	0.52×2	0.52×2	17.7	17.1	16.5	-	-	
	INPUT POWER	W	52×2	52×2	52×2	3.775k	3.774k	3.772k	-	-	
		TOTAL W	-			3.880k	3.880k	3.880k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1940	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.22	3.22 / A	3.22	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/36/33								
		Power Level dB	58/53/50								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	4780				14000	54600	
	CURRENT	A	0.53×2	0.52×2	0.52×2	16.8	16.2	15.7	-	-	
	INPUT POWER	W	52×2	52×2	52×2	3.576k	3.575k	3.574k	-	-	
		TOTAL W	-			3.680k	3.680k	3.680k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/33			-			/	/	
		Power Level dB	58/53/50			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.53×2/52×2	0.52×2/52×2	0.52×2/52×2	28.0/6.000k	28.0/6.200k	28.0/6.400k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.7/3.0k	17.1/3.0k	16.5/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×2			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (3.95×2)		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	19×2		(1342)						
	HEAT	m³/min (ft³/min)	19×2		(1342)						
O/D AIR FLOW	COOL	m³/min (ft³/min)				130		(4591)			
	HEAT	m³/min (ft³/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		1180 (46-15/32)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1556			/		
PAC I	WIDTH : W mm		1255			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		25 (55)			98			/		
	(GROSS) kg(lb)		28 (62)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-71PT1E5 / U-71PE1E5

INDOOR		MODEL	S-71PT1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.53	0.52	0.52	10.2	9.9	9.6	-	-	
	INPUT POWER	W	52	52	52	2.138k	2.138k	2.138k	-	-	
		TOTAL W	-			2.190k	2.190k	2.190k	450	2.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1095	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.24	3.24 / A	3.24	5.56	3.02	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	414	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/36/33								
		Power Level dB	58/53/50								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.53	0.52	0.52	10.7	10.4	10.1	-	-	
	INPUT POWER	W	52	52	52	2.268k	2.268k	2.268k	-	-	
		TOTAL W	-			2.320k	2.320k	2.320k	400	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.45	3.45 / B	3.45	5.00	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2840	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/33			-			/	/	
		Power Level dB	58/53/50			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.53/52	0.52/52	0.52/52	18.0/3.800k	18.0/3.930k	18.0/4.060k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	10.7/2.0k	10.4/2.0k	10.1/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	19		(671)						
	HEAT	m^3/min (ft^3/min)	19		(671)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		1180 (46-15/32)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1136			/		
PAC I	WIDTH : W mm		1255			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		25 (55)			69 (153)			/		
	(GROSS) kg(lb)		28 (62)			77 (170)			/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-71PT1E5×2 / U-140PE1E5

INDOOR		MODEL	S-71PT1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.53×2	0.52×2	0.52×2	22.0	21.3	20.6	-	-	
	INPUT POWER	W	52×2	52×2	52×2	4.705k	4.704k	4.702k	-	-	
		TOTAL W	-			4.810k	4.810k	4.810k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2405	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.91	2.91 / C	2.91	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/36/33								
		Power Level dB	58/53/50								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.53×2	0.52×2	0.52×2	21.3	20.6	19.9	-	-	
	INPUT POWER	W	52×2	52×2	52×2	4.546k	4.545k	4.544k	-	-	
		TOTAL W	-			4.650k	4.650k	4.650k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.44	3.44 / B	3.44	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/33			-			/	/	
		Power Level dB	58/53/50			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.53×2/52×2	0.52×2/52×2	0.52×2/52×2	30.0/6.450k	30.0/6.650k	30.0/6.850k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	20.0/3.0k	21.3/3.0k	20.6/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×2			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0 (4.5×2)		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	19×2		(671)×2						
	HEAT	m^3/min (ft^3/min)	19×2		(671)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		1180 (35-13/16)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1556			/		
PAC I	WIDTH : W mm		1255			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		25 (55)			98			/		
	(GROSS) kg(lb)		28 (62)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-100PT1E5 / U-100PE1E5

INDOOR		MODEL	S-100PT1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.62	0.57	0.53	12.3	11.9	11.4	-	-	
	INPUT POWER	W	73	74	75	2.627k	2.626k	2.625k	-	-	
		TOTAL W		-		2.700k	2.700k	2.700k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1350	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	555	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	97	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A		42/38/35							
		Power Level dB		61/56/53							
	NOISE OUTDOOR (H/L)	dB-A					52/-				
		Power Level dB					69/-				
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.62	0.57	0.55	12.2	11.8	11.4	-	-	
	INPUT POWER	W	72	73	74	2.608k	2.607k	2.606k	-	-	
		TOTAL W		-		2.680k	2.680k	2.680k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.18	4.18 / A	4.18	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3415	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		44/39/36			-		/	/	
		Power Level dB		62/56/53			-				
	NOISE OUTDOOR (H/L)	dB-A		-			52/-		/	/	
		Power Level dB		-			69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.62/73	0.57/74	0.55/75	25.0/5.350k	25.0/5.550k	25.0/5.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	12.3/3.0k	11.9/3.0k	11.4/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90×2		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0		(12.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	33		(1165)						
	HEAT	m^3/min (ft^3/min)	33		(1165)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		1595 (62-25/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		280			1556			/		
	WIDTH : W mm		1670			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		33 (73)			98			/		
	(GROSS) kg(lb)		37 (82)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-125PT1E5 / U-125PE1E5

INDOOR		MODEL	S-125PT1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.69	0.63	0.60	17.7	17.1	16.5	-	-	
	INPUT POWER	W	85	86	88	3.775k	3.774k	3.772k	-	-	
		TOTAL W	-			3.860k	3.860k	3.860k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1930	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.24	3.24 / A	3.24	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	45/40/37								
		Power Level dB	63/58/55								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.69	0.63	0.62	16.8	16.2	15.7	-	-	
	INPUT POWER	W	84	85	86	3.576k	3.575k	3.574k	-	-	
		TOTAL W	-			3.660k	3.660k	3.660k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.83	3.83 / A	3.83	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/41/38			-			/	/	
		Power Level dB	64/58/55			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.69/85	0.63/86	0.62/88	28.0/6.000k	28.0/6.200k	28.0/6.400k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.7/3.0k	17.1/3.0k	16.5/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			90			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	35		(1236)						
	HEAT	m^3/min (ft^3/min)	35		(1236)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		1595 (62-25/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		280			1556			/		
	WIDTH : W mm		1670			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		33 (73)			98			/		
	(GROSS) kg(lb)		37 (82)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-140PT1E5 / U-140PE1E5

INDOOR		MODEL	S-140PT1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.80	0.73	0.70	22.0	21.3	20.6	-	-	
	INPUT POWER	W	95	96	98	4.705k	4.704k	4.702k	-	-	
		TOTAL W		-		4.800k	4.800k	4.800k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2400	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.92	2.92 / C	2.92	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/41/38								
		Power Level dB	64/59/56								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	5460	54600				14000	61400	
	CURRENT	A	0.80	0.73	0.72	21.3	20.6	19.9	-	-	
	INPUT POWER	W	94	95	96	4.546k	4.545k	4.544k	-	-	
		TOTAL W		-		4.640k	4.640k	4.640k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.45	3.45 / B	3.45	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/43/39			-			/	/	
		Power Level dB	65/60/56			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.80/95	0.73/96	0.72/98	30.0/6.450k	30.0/6.650k	30.0/6.850k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	22.0/3.0k	21.3/3.0k	20.6/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			90			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	36		(1271)						
	HEAT	m^3/min (ft^3/min)	36		(1271)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		1595 (62-25/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		280			1556			/		
	WIDTH : W mm		1670			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		33 (73)			98			/		
	(GROSS) kg(lb)		37 (82)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-36PT1E5×2 / U-71PE1E8

INDOOR		MODEL	S-36PT1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				3.2	8.0	
		BTU/h	24200	24200	24200				10900	27300	
	CURRENT	A	0.33×2	0.32×2	0.32×2	3.40	3.30	3.20	-	-	
	INPUT POWER	W	31×2	31×2	31×2	2.138k	2.138k	2.138k	-	-	
		TOTAL W		-		2.200k	2.200k	2.200k	560	2.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1100	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.23	3.23 / A	3.23	5.71	3.02	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	452	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/32/30								
		Power Level dB	53/50/46								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.8	9.0	
		BTU/h	27300	27300	27300				9600	30700	
	CURRENT	A	0.33×2	0.32×2	0.32×2	3.60	3.45	3.35	-	-	
	INPUT POWER	W	31×2	31×2	31×2	2.268k	2.268k	2.268k	-	-	
		TOTAL W		-		2.330k	2.330k	2.330k	500	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.43	3.43 / B	3.43	5.60	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.4	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2923	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/30			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.33×2/31×2	0.32×2/31×2	0.32×2/31×2	7.0/4.150k	7.0/4.360k	7.0/4.530k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	3.60/2.0k	3.45/2.0k	3.35/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2 (2.1×2)		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	12×2		(424)×2						
	HEAT	m³/min (ft³/min)	12×2		(424)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				60		(2119)			
	HEAT	m³/min (ft³/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		910 (35-13/16)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1136			/		
PAC I	WIDTH : W mm		985			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			71 (157)			/		
	(GROSS) kg(lb)		24 (53)			79 (175)			/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-36PT1E5×3 / U-100PE1E8

INDOOR		MODEL	S-36PT1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.33×3	0.32×3	0.32×3	4.25	4.05	3.90	-	-	
	INPUT POWER	W	31×3	31×3	31×3	2.627k	2.626k	2.625k	-	-	
		TOTAL W	-			2.720k	2.720k	2.720k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1360	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.68	3.68 / A	3.68	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	583	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/32/30								
		Power Level dB	53/50/46								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.33×3	0.32×3	0.32×3	4.20	4.00	3.85	-	-	
	INPUT POWER	W	31×3	31×3	31×3	2.608k	2.607k	2.606k	-	-	
		TOTAL W	-			2.700k	2.700k	2.700k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.15	4.15 / A	4.15	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3590	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/30			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.33×3/31×3	0.32×3/31×3	0.32×3/31×3	9.00/5.550k	9.00/5.850k	9.00/6.100k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.25/3.0k	4.05/3.0k	3.90/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (2.0×3)		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	12×3		(424)×3						
	HEAT	m^3/min (ft^3/min)	12×3		(424)×3						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		910 (35-13/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		280			1556			/		
	WIDTH : W mm		985			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			98			/		
	(GROSS) kg(lb)		24 (53)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-36PT1E5×4 / U-125PE1E8

INDOOR		MODEL	S-36PT1E5×4								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	CZ-P155BK1×3								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.33×4	0.32×4	0.32×4	6.10	5.80	5.60	-	-	
	INPUT POWER	W	31×4	31×4	31×4	3.775k	3.774k	3.772k	-	-	
		TOTAL W		-		3.900k	3.900k	3.900k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1950	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.21	3.21 / A	3.21	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/32/30								
		Power Level dB	53/50/46								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.33×4	0.32×4	0.32×4	5.80	5.50	5.30	-	-	
	INPUT POWER	W	31×4	31×4	31×4	3.576k	3.575k	3.574k	-	-	
		TOTAL W		-		3.700k	3.700k	3.700k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.78	3.78 / A	3.78	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/30			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.33×4/31×4	0.32×4/31×4	0.32×4/31×4	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.10/3.0k	5.80/3.0k	5.60/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×4			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (1.98×4)		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	12×4		(424)×4						
	HEAT	m³/min (ft³/min)	12×4		(424)×4						
O/D AIR FLOW	COOL	m³/min (ft³/min)				130		(4591)			
	HEAT	m³/min (ft³/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		910 (35-13/16)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1556			/		
PAC I	WIDTH : W mm		985			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			98			/		
	(GROSS) kg(lb)		24 (53)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-45PT1E5×3 / U-125PE1E8

INDOOR		MODEL	S-45PT1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.42×3	0.41×3	0.41×3	6.10	5.80	5.60	-	-	
	INPUT POWER	W	41×3	41×3	41×3	3.775k	3.774k	3.772k	-	-	
		TOTAL W		-		3.900k	3.900k	3.900k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1950	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.21	3.21 / A	3.21	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/33/30								
		Power Level dB	57/51/46								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.42×3	0.41×3	0.41×3	5.80	5.50	5.30	-	-	
	INPUT POWER	W	41×3	41×3	41×3	3.576k	3.575k	3.574k	-	-	
		TOTAL W		-		3.700k	3.700k	3.700k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.78	3.78 / A	3.78	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/34/30			-			/	/	
		Power Level dB	57/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×3/41×3	0.41×3/41×3	0.41×3/41×3	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.10/3.0k	5.80/3.0k	5.60/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (2.63×3)		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14×3		(1483)						
	HEAT	m^3/min (ft^3/min)	14×3		(1483)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		910 (35-13/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		280			1556			/		
	WIDTH : W mm		985			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			98			/		
	(GROSS) kg(lb)		24 (53)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-50PT1E5×2 / U-100PE1E8

INDOOR			MODEL	S-50PT1E5×2							
PANEL			MODEL	-			-				
OUTDOOR			MODEL				U-100PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.42×2	0.41×2	0.41×2	4.25	4.05	3.90	-	-
	INPUT POWER		W	41×2	41×2	41×2	2.627k	2.626k	2.625k	-	-
			TOTAL W		-		2.710k	2.710k	2.710k	840	3.700k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	1355	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.69	3.69 / A	3.69	3.93	3.38
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.0	-		
		Annual consumption	kWh	-	-	-	-	583	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A		38/33/30						
			Power Level dB		57/51/46						
	NOISE OUTDOOR (H/L)		dB-A					52/-			
			Power Level dB					69/-			
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.42×2	0.41×2	0.41×2	4.20	4.00	3.85	-	-
	INPUT POWER		W	41×2	41×2	41×2	2.608k	2.607k	2.606k	-	-
			TOTAL W		-		2.690k	2.690k	2.690k	900	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.16	4.16 / A	4.16	4.56	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.9	-		
		Annual consumption	kWh	-	-	-	-	3590	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A		39/34/30			-		/	/
			Power Level dB		57/51/47			-			
	NOISE OUTDOOR (H/L)		dB-A		-			52/-		/	/
			Power Level dB		-			69/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP						-				
MAX CURRENT(A)/MAX INPUT POWER(W)				0.42×2/41×2	0.41×2/41×2	0.41×2/41×2	9.00/5.550k	9.00/5.850k	9.00/6.100k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	4.25/3.0k	4.05/3.0k	3.90/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-			
FM OUTPUT (W)					40×2			90×2		/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0 (3.0×2)		(12.6)		-			
External static pressure			Pa		-						
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×2		(494)×2					
	HEAT		m^3/min (ft^3/min)	14×2		(494)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO D	HEIGHT : H mm(inch)			210 (8-9/32)			1416 (55-3/4)			/	
PRO I	WIDTH : W mm(inch)			910 (35-13/16)			940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			680 (26-25/32)			340 (13-13/32)			/	
PAC D	HEIGHT : H mm			280			1556			/	
PAC I	WIDTH : W mm			985			1055			/	
PAC M	DEPTH : D mm			780			485			/	
MASS	(NET) kg(lb)			21 (46)			98			/	
	(GROSS) kg(lb)			24 (53)			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C				
			Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-50PT1E5×3 / U-140PE1E8

INDOOR		MODEL	S-50PT1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E8					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.42×3	0.41×3	0.41×3	7.60	7.25	7.00	-	-	
	INPUT POWER	W	41×3	41×3	41×3	4.705k	4.704k	4.702k	-	-	
		TOTAL W		-		4.830k	4.830k	4.830k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2415	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.90	2.90 / C	2.90	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/33/30								
		Power Level dB	57/51/46								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.42×3	0.41×3	0.41×3	7.35	7.00	6.75	-	-	
	INPUT POWER	W	41×3	41×3	41×3	4.546k	4.545k	4.544k	-	-	
		TOTAL W		-		4.670k	4.670k	4.670k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.43	3.43 / B	3.43	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/34/30			-			/	/	
		Power Level dB	57/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×3/41×3	0.41×3/41×3	0.41×3/41×3	11.0/6.800k	11.0/7.150k	11.0/7.450k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.60/3.0k	7.25/3.0k	7.00/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0 (3.0×3)		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×3		(494)×3						
	HEAT	m³/min (ft³/min)	14×3		(494)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				135		(4767)			
	HEAT	m³/min (ft³/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		910 (35-13/16)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1556			/		
PAC I	WIDTH : W mm		985			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			98			/		
	(GROSS) kg(lb)		24 (53)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-60PT1E5×2 / U-125PE1E8

INDOOR			MODEL	S-60PT1E5×2							
PANEL			MODEL	-			-				
OUTDOOR			MODEL				U-125PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.53×2	0.52×2	0.52×2	6.10	5.80	5.60	-	-
	INPUT POWER		W	52×2	52×2	52×2	3.775k	3.774k	3.772k	-	-
			TOTAL W	-			3.880k	3.880k	3.880k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1940	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.22	3.22 / A	3.22	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	39/36/33							
			Power Level dB	58/53/50							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.53×2	0.52×2	0.52×2	5.80	5.50	5.30	-	-
	INPUT POWER		W	52×2	52×2	52×2	3.576k	3.575k	3.574k	-	-
			TOTAL W	-			3.680k	3.680k	3.680k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/36/33			-			/	/
			Power Level dB	58/53/50			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.53×2/52×2	0.52×2/52×2	0.52×2/52×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.10/3.0k	5.80/3.0k	5.60/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				40×2			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9 (3.95×2)		(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	19×2		(671)×2					
	HEAT		m^3/min (ft^3/min)	19×2		(671)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRODUCT	D I M	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1180 (46-15/32)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/	
PACAKING	D I M	HEIGHT : H mm		280			1556			/	
		WIDTH : W mm		1255			1055			/	
		DEPTH : D mm		780			485			/	
MASS		(NET) kg(lb)		25 (55)			98			/	
		(GROSS) kg(lb)		28 (62)			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-71PT1E5 / U-71PE1E8

INDOOR		MODEL	S-71PT1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				3.2	8.0	
		BTU/h	24200	24200	24200				10900	27300	
	CURRENT	A	0.53	0.52	0.52	3.40	3.30	3.20	-	-	
	INPUT POWER	W	52	52	52	2.138k	2.138k	2.138k	-	-	
		TOTAL W		-		2.190k	2.190k	2.190k	560	2.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1095	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.24	3.24 / A	3.24	5.71	3.02	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	452	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/36/33								
		Power Level dB	58/53/50								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.8	9.0	
		BTU/h	27300	27300	27300				9600	30700	
	CURRENT	A	0.53	0.52	0.52	3.60	3.45	3.35	-	-	
	INPUT POWER	W	52	52	52	2.268k	2.268k	2.268k	-	-	
		TOTAL W		-		2.320k	2.320k	2.320k	500	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.45	3.45 / B	3.45	5.60	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.4	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2923	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/33			-			/	/	
		Power Level dB	58/53/50			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.53/52	0.52/52	0.52/52	7.0/4.150k	7.0/4.360k	7.0/4.530k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	3.60/2.0k	3.45/2.0k	3.35/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	19		(671)						
	HEAT	m^3/min (ft^3/min)	19		(671)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		1180 (46-15/32)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1136			/		
PAC I	WIDTH : W mm		1255			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		25 (55)			71 (157)			/		
	(GROSS) kg(lb)		28 (62)			79 (175)			/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-71PT1E5×2 / U-140PE1E8

INDOOR		MODEL	S-71PT1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	478000	47800	478000				11300	52900	
	CURRENT	A	0.53×2	0.52×2	0.52×2	7.60	7.25	7.00	-	-	
	INPUT POWER	W	52×2	52×2	52×2	4.705k	4.704k	4.702k	-	-	
		TOTAL W		-		4.810k	4.810k	4.810k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2405	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.91	2.91 / C	2.91	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/36/33								
		Power Level dB	58/53/50								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.53×2	0.52×2	0.52×2	7.35	7.00	6.75	-	-	
	INPUT POWER	W	52×2	52×2	52×2	4.546k	4.545k	4.544k	-	-	
		TOTAL W		-		4.650k	4.650k	4.650k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.44	3.44 / B	3.44	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/33			-			/	/	
		Power Level dB	58/53/50			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.53×2/52×2	0.52×2/52×2	0.52×2/52×2	11.0/6.800k	11.0/7.150k	11.0/7.450k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.60/3.0k	7.25/3.0k	7.00/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×2			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0 (4.5×2)		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	19×2		(671)×2						
	HEAT	m^3/min (ft^3/min)	19×2		(671)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		1180 (35-13/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		280			1556			/		
	WIDTH : W mm		1255			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		25 (55)			98			/		
	(GROSS) kg(lb)		28 (62)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-100PT1E5 / U-100PE1E8

INDOOR		MODEL	S-100PT1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.62	0.57	0.53	4.25	4.05	3.90	-	-	
	INPUT POWER	W	73	74	75	2.627k	2.626k	2.625k	-	-	
		TOTAL W	-			2.700k	2.700k	2.700k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1350	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	564	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	42/38/35								
		Power Level dB	61/56/53								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.62	0.57	0.55	4.20	4.00	3.85	-	-	
	INPUT POWER	W	72	73	74	2.608k	2.607k	2.606k	-	-	
		TOTAL W	-			2.680k	2.680k	2.680k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.18	4.18 / A	4.18	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3415	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/39/36			-			/	/	
		Power Level dB	62/56/53			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.62/73	0.57/74	0.55/75	9.00/5.550k	9.00/5.850k	9.00/6.100k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.25/3.0k	4.05/3.0k	3.90/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			90			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	33		(1165)						
	HEAT	m^3/min (ft^3/min)	33		(1165)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		1595 (62-25/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		280			1556			/		
	WIDTH : W mm		1670			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		33 (73)			98			/		
	(GROSS) kg(lb)		37 (82)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-125PT1E5 / U-125PE1E8

INDOOR		MODEL	S-125PT1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.69	0.63	0.60	6.10	5.80	5.60	-	-	
	INPUT POWER	W	85	86	88	3.775k	3.774k	3.772k	-	-	
		TOTAL W		-		3.860k	3.860k	3.860k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1930	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.24	3.24 / A	3.24	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A		45/40/37							
		Power Level dB		63/58/55							
	NOISE OUTDOOR (H/L)	dB-A					53/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.69	0.63	0.62	5.80	5.50	5.30	-	-	
	INPUT POWER	W	84	85	86	3.576k	3.575k	3.574k	-	-	
		TOTAL W		-		3.660k	3.660k	3.660k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.83	3.83 / A	3.83	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A		46/41/38			-		/	/	
		Power Level dB		64/58/55			-				
	NOISE OUTDOOR (H/L)	dB-A		-			53/-		/	/	
		Power Level dB		-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.69/85	0.63/86	0.62/88	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.10/3.0k	5.80/3.0k	5.60/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90×2		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	35		(1236)						
	HEAT	m^3/min (ft^3/min)	35		(1236)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		1595 (62-25/32)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		280			1556			/		
	WIDTH : W mm		1670			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		33 (73)			98			/		
	(GROSS) kg(lb)		37 (82)			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

3. Ceiling Type S-140PT1E5 / U-140PE1E8

INDOOR		MODEL	S-140PT1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.80	0.73	0.70	7.60	7.25	7.00	-	-	
	INPUT POWER	W	95	96	98	4.705k	4.704k	4.702k	-	-	
		TOTAL W		-		4.800k	4.800k	4.800k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2400	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.92	2.92 / C	2.92	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A		46/41/38							
		Power Level dB		64/59/56							
	NOISE OUTDOOR (H/L)	dB-A					54/-				
		Power Level dB					71/-				
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.80	0.73	0.72	7.35	7.00	6.75	-	-	
	INPUT POWER	W	94	95	96	4.546k	4.545k	4.544k	-	-	
		TOTAL W		-		4.640k	4.640k	4.640k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.45	3.45 / B	3.45	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A		47/43/39			-		/	/	
		Power Level dB		65/60/56			-				
	NOISE OUTDOOR (H/L)	dB-A		-			55/-		/	/	
		Power Level dB		-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.80/95	0.73/96	0.72/98	11.0/6.800k	11.0/7.150k	11.0/7.450k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.60/3.0k	7.25/3.0k	7.00/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90×2		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0		(18.9)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	36		(1271)						
	HEAT	m^3/min (ft^3/min)	36		(1271)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)		/	
PRO DIM	HEIGHT : H mm(inch)		210 (8-9/32)			1416 (55-3/4)				/	
	WIDTH : W mm(inch)		1595 (62-25/32)			940 (37-1/32)				/	
	DEPTH : D mm(inch)		680 (26-25/32)			340 (13-13/32)				/	
PAC DIM	HEIGHT : H mm		280			1556				/	
	WIDTH : W mm		1670			1055				/	
	DEPTH : D mm		780			485				/	
MASS	(NET) kg(lb)		33 (73)			98				/	
	(GROSS) kg(lb)		37 (82)			108				/	
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-36PT2E5×2 / U-71PE1E5

INDOOR		MODEL	S-36PT2E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.37×2	0.36×2	0.35×2	9.00	8.70	8.40	-	-	
	INPUT POWER	W	35×2	35×2	35×2	1.875k	1.875k	1.875k	-	-	
		TOTAL W	-			1.945k	1.945k	1.945k	450	2.780k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	973	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.65	3.65 / A	3.65	5.56	2.88	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	401	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29								
		Power Level dB	54/50/47								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.37×2	0.36×2	0.36×2	8.90	8.60	8.30	-	-	
	INPUT POWER	W	35×2	35×2	35×2	1.875k	1.875k	1.875k	-	-	
		TOTAL W	-			1.945k	1.945k	1.945k	400	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.11	4.11 / A	4.11	5.00	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2485	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.37×2/35×2	0.36×2/35×2	0.35×2/35×2	18.0/3.76k	18.0/3.89k	18.0/4.02k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	9.00/2.0k	8.70/2.0k	8.40/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×2		(494)×2						
	HEAT	m³/min (ft³/min)	14×2		(494)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				60		(2119)			
	HEAT	m³/min (ft³/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	996	39-7/32		/		
PRO I	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1136			/		
PAC I	WIDTH : W mm		1025			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	69		(152)	/		
	(GROSS) kg(lb)		34		(75)	77		(170)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50			(16.4 ~ 164)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50			(0.538)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30			(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-36PT2E5×3 / U-100PE1E5

INDOOR		MODEL	S-36PT2E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E5					
Branch pipe		MODEL	CZ-P3HPC2BM								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	15.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.37×3	0.36×3	0.35×3	11.5	11.1	10.6	-	-	
	INPUT POWER	W	35×3	35×3	35×3	2.450k	2.450k	2.450k	-	-	
		TOTAL W	-			2.555k	2.555k	2.555k	840	3.850k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1278	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.91	3.91 / A	3.91	3.93	3.25	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	539	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	97	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29								
		Power Level dB	54/50/47								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.37×3	0.36×3	0.35×3	11.8	11.4	11.0	-	-	
	INPUT POWER	W	35×3	35×3	35×3	2.520k	2.520k	2.520k	-	-	
		TOTAL W	-			2.625k	2.625k	2.625k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.27	4.27 / A	4.27	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3256	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.37×3/35×3	0.36×3/35×3	0.35×3/35×3	25.0/5.34k	25.0/5.52k	25.0/5.70k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	11.8/3.0k	11.4/3.0k	11.0/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(2.0×3)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×3		(494)×3						
	HEAT	m³/min (ft³/min)	14×3		(494)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				110		(3885)			
	HEAT	m³/min (ft³/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
PRO I	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1556			/		
PAC I	WIDTH : W mm		1025			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	98		(216)	/		
	(GROSS) kg(lb)		34		(75)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-36PT2E5×4 / U-125PE1E5

INDOOR		MODEL	S-36PT2E5×4								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.37×4	0.36×4	0.35×4	17.0	16.4	15.8	-	-	
	INPUT POWER	W	35×4	35×4	35×4	3.620k	3.620k	3.620k	-	-	
		TOTAL W	-			3.760k	3.760k	3.760k	840	4.860k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1880	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.32	3.32 / A	3.32	3.93	2.88	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29								
		Power Level dB	54/50/47								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.37×4	0.36×4	0.35×4	16.0	15.4	14.9	-	-	
	INPUT POWER	W	35×4	35×4	35×4	3.400k	3.400k	3.400k	-	-	
		TOTAL W	-			3.540k	3.540k	3.540k	900	5.210k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.95	3.95 / A	3.95	4.56	3.07	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.37×4/35×4	0.36×4/35×4	0.35×4/35×4	28.0/5.98k	28.0/6.18k	28.0/6.38k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.0/3.0k	16.4/3.0k	15.8/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(1.975×4)	(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14×4		(494)×4						
	HEAT	m^3/min (ft^3/min)	14×4		(494)×4						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC DIM	HEIGHT : H mm		360			1556			/		
	WIDTH : W mm		1025			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	98		(216)	/		
	(GROSS) kg(lb)		34		(75)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-45PT2E5×3 / U-125PE1E5

INDOOR		MODEL	S-45PT2E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	CZ-P3HPC2BM								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.39×3	0.38×3	0.37×3	17.0	16.4	15.8	-	-	
	INPUT POWER	W	40×3	40×3	40×3	3.620k	3.620k	3.620k	-	-	
		TOTAL W		-		3.740k	3.740k	3.740k	840	4.860k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1870	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.34	3.34 / A	3.34	3.93	2.88	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29								
		Power Level dB	55/51/47								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.39×3	0.38×3	0.37×3	16.0	15.4	14.9	-	-	
	INPUT POWER	W	40×3	40×3	40×3	3.400k	3.400k	3.400k	-	-	
		TOTAL W		-		3.520k	3.520k	3.520k	900	5.210k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.98	3.98 / A	3.98	4.56	3.07	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29			-			/	/	
		Power Level dB	55/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.39×3/40×3	0.38×3/40×3	0.37×3/40×3	28.0/5.98k	28.0/6.18k	28.0/6.38k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.0/3.0k	16.4/3.0k	15.8/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(2.63×3)	(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	15×3		(530)×3						
	HEAT	m^3/min (ft^3/min)	15×3		(530)×3						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC DIM	HEIGHT : H mm		360			1556			/		
	WIDTH : W mm		1025			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	98		(216)	/		
	(GROSS) kg(lb)		34		(75)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-50PT2E5 / U-50PE1E5

INDOOR		MODEL	S-50PT2E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-50PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	5.0	5.0	5.0				1.5	5.6	
		BTU/h	17100	17100	17100				5100	19100	
	CURRENT	A	0.39	0.38	0.37	6.55	6.25	6.00	-	-	
	INPUT POWER	W	40	40	40	1.340k	1.340k	1.340k	-	-	
		TOTAL W		-		1.380k	1.380k	1.380k	260	2.050k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	690	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.62	3.62 / A	3.62	5.77	2.73	
	Erp ※6 Pdsign	kW	-	-	-	-	5.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.4	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	273	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29								
		Power Level dB	55/51/47								
	NOISE OUTDOOR (H/L)	dB-A				46/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	5.6	5.6	5.6				1.5	6.5	
		BTU/h	19100	19100	19100				5100	22200	
	CURRENT	A	0.39	0.38	0.37	6.70	6.40	6.15	-	-	
	INPUT POWER	W	40	40	40	1.370k	1.370k	1.370k	-	-	
		TOTAL W		-		1.410k	1.410k	1.410k	220	2.300k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.97	3.97 / A	3.97	6.82	2.83	
	Erp ※6 Pdsign	kW	-	-	-	-	4.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	1400	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29			-			/	/	
		Power Level dB	55/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.39/40	0.38/40	0.37/40	12.0/2.46k	12.0/2.57k	12.0/2.68k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.70/0.9k	6.40/0.9k	6.15/0.9k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	2.8		(5.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	15		(530)						
	HEAT	m^3/min (ft^3/min)	15		(530)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				30		(1059)			
	HEAT	m^3/min (ft^3/min)				35		(1236)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.65k	(58.2)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	569		22-13/32	/		
PRO I	WIDTH : W mm(inch)		960		37-25/32	790		31-7/64	/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	285		11-7/32	/		
PAC D	HEIGHT : H mm		360			645			/		
PAC I	WIDTH : W mm		1025			921			/		
PAC M	DEPTH : D mm		820			386			/		
MASS	(NET) kg(lb)		27		(60)	42		(93)	/		
	(GROSS) kg(lb)		34		(75)	46		(101)	/		
LAYERS LIMIT (actually)			9 (10)			4 (5)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 40 (16.4 ~ 131.2)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		20 (0.215)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-50PT2E5×2 / U-100PE1E5

INDOOR		MODEL	S-50PT2E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.39×2	0.38×2	0.37×2	11.5	11.1	10.6	-	-	
	INPUT POWER	W	40×2	40×2	40×2	2.450k	2.450k	2.450k	-	-	
		TOTAL W		-		2.530k	2.530k	2.530k	840	3.850k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1265	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.95	3.95 / A	3.95	3.93	3.25	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	539	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	97	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29								
		Power Level dB	55/51/47								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.39×2	0.38×2	0.37×2	11.8	11.4	11.0	-	-	
	INPUT POWER	W	40×2	40×2	40×2	2.520k	2.520k	2.520k	-	-	
		TOTAL W		-		2.600k	2.600k	2.600k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3256	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29			-			/	/	
		Power Level dB	55/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.39×2/40×2	0.38×2/40×2	0.37×2/40×2	25.0/5.34k	25.0/5.52k	25.0/5.70k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	11.8/3.0k	11.4/3.0k	11.0/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	15×2		(530)×2						
	HEAT	m³/min (ft³/min)	15×2		(530)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				110		(3885)			
	HEAT	m³/min (ft³/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
PRO I	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1556			/		
PAC I	WIDTH : W mm		1025			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	98		(216)	/		
	(GROSS) kg(lb)		34		(75)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-50PT2E5×3 / U-140PE1E5

INDOOR		MODEL	S-50PT2E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	CZ-P3HPC2BM								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	51200	
	CURRENT	A	0.39×3	0.38×3	0.37×3	21.2	20.5	19.8	-	-	
	INPUT POWER	W	40×3	40×3	40×3	4.530k	4.530k	4.530k	-	-	
		TOTAL W	-			4.650k	4.650k	4.650k	840	5.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2325	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.93	2.65	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29								
		Power Level dB	55/51/47								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.39×3	0.38×3	0.37×3	19.8	19.2	18.5	-	-	
	INPUT POWER	W	40×3	40×3	40×3	4.240k	4.240k	4.240k	-	-	
		TOTAL W	-			4.360k	4.360k	4.360k	900	5.930k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.67	3.67 / A	3.67	4.56	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29			-			/	/	
		Power Level dB	55/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.39×3/40×3	0.38×3/40×3	0.37×3/40×3	30.0/6.40k	30.0/6.62k	30.0/6.84k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	21.2/3.0k	20.5/3.0k	19.8/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0	(3.0×3)	(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	15×3		(530)×3						
	HEAT	m³/min (ft³/min)	15×3		(530)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				135		(4767)			
	HEAT	m³/min (ft³/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC DIM	HEIGHT : H mm		360			1556			/		
	WIDTH : W mm		1025			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	98		(216)	/		
	(GROSS) kg(lb)		34		(75)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-60PT2E5 / U-60PE1E5

INDOOR		MODEL	S-60PT2E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-60PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.5	7.1	
		BTU/h	20500	20500	20500				8500	24200	
	CURRENT	A	0.42	0.41	0.40	7.15	6.90	6.70	-	-	
	INPUT POWER	W	50	50	50	1.440k	1.440k	1.440k	-	-	
		TOTAL W	-			1.490k	1.490k	1.490k	450	2.010k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	745	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.03	4.03 / A	4.03	5.56	3.53	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	309	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	92	91	90	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30								
		Power Level dB	56/52/48								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	7.0	7.0	7.0				2.0	8.0	
		BTU/h	23900	23900	23900				6800	27300	
	CURRENT	A	0.42	0.41	0.40	8.10	7.80	7.60	-	-	
	INPUT POWER	W	50	50	50	1.690k	1.690k	1.690k	-	-	
		TOTAL W	-			1.740k	1.740k	1.740k	400	2.480k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.02	4.02 / A	4.02	5.00	3.23	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2049	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30			-			/	/	
		Power Level dB	56/52/48			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42/50	0.41/50	0.40/50	18.0/3.76k	18.0/3.89k	18.0/4.02k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	8.10/1.7k	7.80/1.7k	7.60/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.4		(7.1)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	20		(706)						
	HEAT	m^3/min (ft^3/min)	20		(706)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.00k	(70.5)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	996		39-7/32	/		
	WIDTH : W mm(inch)		1275		50-3/16	940		37-1/32	/		
	DEPTH : D mm(inch)		690		27-5/32	340		13-13/32	/		
PAC DIM	HEIGHT : H mm		360			1136			/		
	WIDTH : W mm		1340			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		33		(73)	68		(150)	/		
	(GROSS) kg(lb)		42		(93)	76		(168)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50			(16.4 ~ 164)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50			(0.538)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30			(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-60PT2E5×2 / U-125PE1E5

INDOOR		MODEL	S-60PT2E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.42×2	0.41×2	0.40×2	17.0	16.4	15.9	-	-	
	INPUT POWER	W	50×2	50×2	50×2	3.630k	3.630k	3.630k	-	-	
		TOTAL W	-			3.730k	3.730k	3.730k	840	4.860k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1865	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.35	3.35 / A	3.35	3.93	2.88	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30								
		Power Level dB	56/52/48								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.42×2	0.41×2	0.40×2	16.0	15.4	14.9	-	-	
	INPUT POWER	W	50×2	50×2	50×2	3.410k	3.410k	3.410k	-	-	
		TOTAL W	-			3.510k	3.510k	3.510k	900	5.210k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.99	3.99 / A	3.99	4.56	3.07	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30			-			/	/	
		Power Level dB	56/52/48			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×2/50×2	0.41×2/50×2	0.40×2/50×2	28.0/5.98k	28.0/6.18k	28.0/6.38k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.0/3.0k	16.4/3.0k	15.8/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	20×2		(706)×2						
	HEAT	m^3/min (ft^3/min)	20×2		(706)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
	WIDTH : W mm(inch)		1275		50-3/16	940	37-1/32		/		
	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC DIM	HEIGHT : H mm		360			1556			/		
	WIDTH : W mm		1340			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		33		(73)	98		(216)	/		
	(GROSS) kg(lb)		42		(93)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75			(16.4 ~ 246.1)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50			(0.538)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30			(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-71PT2E5 / U-71PE1E5

INDOOR		MODEL	S-71PT2E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.45	0.44	0.43	9.00	8.70	8.40	-	-	
	INPUT POWER	W	55	55	55	1.875k	1.875k	1.875k	-	-	
		TOTAL W	-			1.930k	1.930k	1.930k	450	2.780k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	965	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.68	3.68 / A	3.68	5.56	2.88	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	401	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31								
		Power Level dB	57/53/49								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.45	0.44	0.43	8.90	8.60	8.30	-	-	
	INPUT POWER	W	55	55	55	1.875k	1.875k	1.875k	-	-	
		TOTAL W	-			1.930k	1.930k	1.930k	400	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.15	4.15 / A	4.15	5.00	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2485	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31			-			/	/	
		Power Level dB	57/53/49			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.45/55	0.44/55	0.43/55	18.0/3.76k	18.0/3.89k	18.0/4.02k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	9.00/2.0k	8.70/2.0k	8.40/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	21		(742)						
	HEAT	m^3/min (ft^3/min)	21		(742)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	996		39-7/32	/		
PRO I	WIDTH : W mm(inch)		1275		50-3/16	940		37-1/32	/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340		13-13/32	/		
PAC D	HEIGHT : H mm		360			1136			/		
PAC I	WIDTH : W mm		1340			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		33		(73)	69		(152)	/		
	(GROSS) kg(lb)		42		(93)	77		(170)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50			(16.4 ~ 164)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50			(0.538)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30			(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-71PT2E5×2 / U-140PE1E5

INDOOR		MODEL	S-71PT2E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.0	
		BTU/h	47800	47800	47800				11300	51200	
	CURRENT	A	0.45×2	0.44×2	0.43×2	21.2	20.5	19.9	-	-	
	INPUT POWER	W	55×2	55×2	55×2	4.540k	4.540k	4.540k	-	-	
		TOTAL W	-			4.650k	4.650k	4.650k	840	5.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2325	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.93	2.65	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31								
		Power Level dB	57/53/49								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.45×2	0.44×2	0.43×2	19.9	19.2	18.6	-	-	
	INPUT POWER	W	55×2	55×2	55×2	4.250k	4.250k	4.250k	-	-	
		TOTAL W	-			4.360k	4.360k	4.360k	900	5.930k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.67	3.67 / A	3.67	4.56	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31			-			/	/	
		Power Level dB	57/53/49			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.45×2/55×2	0.44×2/55×2	0.43×2/55×2	30.0/6.40k	30.0/6.62k	30.0/6.84k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	21.2/3.0k	20.5/3.0k	19.8/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	21×2		(742)×2						
	HEAT	m^3/min (ft^3/min)	21×2		(742)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)		/	
PRO D	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4			/	
PRO I	WIDTH : W mm(inch)		1275		50-3/16	940	37-1/32			/	
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32			/	
PAC D	HEIGHT : H mm		360			1556				/	
PAC I	WIDTH : W mm		1340			1055				/	
PAC M	DEPTH : D mm		820			485				/	
MASS	(NET) kg(lb)		33		(73)	98		(216)		/	
	(GROSS) kg(lb)		42		(93)	108		(238)		/	
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75			(16.4 ~ 246.1)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50			(0.538)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30			(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-100PT2E5 / U-100PE1E5

INDOOR		MODEL	S-100PT2E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.69	0.67	0.65	11.5	11.1	10.6	-	-	
	INPUT POWER	W	80	80	80	2.450k	2.450k	2.450k	-	-	
		TOTAL W	-			2.530k	2.530k	2.530k	840	3.850k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1265	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.95	3.95 / A	3.95	3.93	3.25	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.7	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	523	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	97	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	42/37/35								
		Power Level dB	60/55/53								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.69	0.67	0.65	11.8	11.4	11.0	-	-	
	INPUT POWER	W	80	80	80	2.520k	2.520k	2.520k	-	-	
		TOTAL W	-			2.600k	2.600k	2.600k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3256	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	42/37/35			-			/	/	
		Power Level dB	60/55/53			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.69/80	0.67/80	0.65/80	25.0/5.34k	25.0/5.52k	25.0/5.70k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	11.8/3.0k	11.4/3.0k	11.0/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	30		(1059)						
	HEAT	m^3/min (ft^3/min)	30		(1059)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	1416		55-3/4	/		
	WIDTH : W mm(inch)		1590		62-19/32	940		37-1/32	/		
	DEPTH : D mm(inch)		690		27-5/32	340		13-13/32	/		
PAC DIM	HEIGHT : H mm		360			1556			/		
	WIDTH : W mm		1655			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		40		(88)	98		(216)	/		
	(GROSS) kg(lb)		49		(108)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-125PT2E5 / U-125PE1E5

INDOOR		MODEL	S-125PT2E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.89	0.86	0.83	17.0	16.4	15.8	-	-	
	INPUT POWER	W	110	110	110	3.620k	3.620k	3.620k	-	-	
		TOTAL W	-			3.730k	3.730k	3.730k	840	4.860k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1865	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.35	3.35 / A	3.35	3.93	2.88	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/40/36								
		Power Level dB	64/58/54								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.89	0.86	0.83	16.0	15.4	14.9	-	-	
	INPUT POWER	W	110	110	110	3.400k	3.400k	3.400k	-	-	
		TOTAL W	-			3.510k	3.510k	3.510k	900	5.210k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.99	3.99 / A	3.99	4.56	3.07	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/40/36			-			/	/	
		Power Level dB	64/58/54			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.89/110	0.86/110	0.83/110	28.0/5.98k	28.0/6.18k	28.0/6.38k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.0/3.0k	16.4/3.0k	15.8/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	34		(1201)						
	HEAT	m³/min (ft³/min)	34		(1201)						
O/D AIR FLOW	COOL	m³/min (ft³/min)				130		(4591)			
	HEAT	m³/min (ft³/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	1416		55-3/4	/		
	WIDTH : W mm(inch)		1590		62-19/32	940		37-1/32	/		
	DEPTH : D mm(inch)		690		27-5/32	340		13-13/32	/		
PAC DIM	HEIGHT : H mm		360			1556			/		
	WIDTH : W mm		1655			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		40		(88)	98		(216)	/		
	(GROSS) kg(lb)		49		(108)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-140PT2E5 / U-140PE1E5

INDOOR		MODEL	S-140PT2E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.0	
		BTU/h	47800	47800	47800				11300	51200	
	CURRENT	A	0.94	0.91	0.88	21.2	20.5	19.8	-	-	
	INPUT POWER	W	120	120	120	4.530k	4.530k	4.530k	-	-	
		TOTAL W	-			4.650k	4.650k	4.650k	840	5.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2325	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.93	2.65	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/41/37								
		Power Level dB	65/59/55								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.94	0.91	0.88	19.8	19.2	18.5	-	-	
	INPUT POWER	W	120	120	120	4.240k	4.240k	4.240k	-	-	
		TOTAL W	-			4.360k	4.360k	4.360k	900	5.930k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.67	3.67 / A	3.67	4.56	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/41/37			-			/	/	
		Power Level dB	65/59/55			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.94/120	0.91/120	0.88/120	30.0/6.40k	30.0/6.62k	30.0/6.84k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	21.1/2.0k	20.5/2.0k	19.8/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	35		(1236)						
	HEAT	m^3/min (ft^3/min)	35		(1236)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)		/	
PRO D	HEIGHT : H mm(inch)		235		9-1/4	1416		55-3/4		/	
PRO I	WIDTH : W mm(inch)		1590		62-19/32	940		37-1/32		/	
PRO M	DEPTH : D mm(inch)		690		27-5/32	340		13-13/32		/	
PAC D	HEIGHT : H mm		360			1556				/	
PAC I	WIDTH : W mm		1655			1055				/	
PAC M	DEPTH : D mm		820			485				/	
MASS	(NET) kg(lb)		40		(88)	98		(216)		/	
	(GROSS) kg(lb)		49		(108)	108		(238)		/	
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-36PT2E5×2 / U-71PE1E8

INDOOR		MODEL	S-36PT2E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.37×2	0.36×2	0.35×2	3.00	2.90	2.80	-	-	
	INPUT POWER	W	35×2	35×2	35×2	1.875k	1.875k	1.875k	-	-	
		TOTAL W	-			1.945k	1.945k	1.945k	450	2.780k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	973	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.65	3.65 / A	3.65	5.56	2.88	
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	5.9	-		
		Annual consumption	kWh	-	-	-	-	421	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR	%	-	-	-	95	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29								
		Power Level dB	54/50/47								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.37×2	0.36×2	0.35×2	3.00	2.90	2.80	-	-	
	INPUT POWER	W	35×2	35×2	35×2	1.875k	1.875k	1.875k	-	-	
		TOTAL W	-			1.945k	1.945k	1.945k	400	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.11	4.11 / A	4.11	5.00	3.10	
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	4.0	-		
		Annual consumption	kWh	-	-	-	-	2485	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR	%	-	-	-	95	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.37×2/35×2	0.36×2/35×2	0.35×2/35×2	7.0/4.15k	7.0/4.36k	7.0/4.53k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	3.00/3.0k	2.90/3.0k	2.80/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×2		(494)×2						
	HEAT	m³/min (ft³/min)	14×2		(494)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				60		(2119)			
	HEAT	m³/min (ft³/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	996	39-7/32		/		
PRO I	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1136			/		
PAC I	WIDTH : W mm		1025			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	71		(157)	/		
	(GROSS) kg(lb)		34		(75)	79		(174)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50			(16.4 ~ 164)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50			(0.538)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30			(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-36PT2E5×3 / U-100PE1E8

INDOOR		MODEL	S-36PT2E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	CZ-P3HPC2BM								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.37×3	0.36×3	0.35×3	3.95	3.75	3.65	-	-	
	INPUT POWER	W	35×3	35×3	35×3	2.450k	2.450k	2.450k	-	-	
		TOTAL W	-			2.555k	2.555k	2.555k	840	3.850k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1278	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.91	3.91 / A	3.91	3.93	3.25	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.4	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	547	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29								
		Power Level dB	54/50/47								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.37×3	0.36×3	0.35×3	4.05	3.85	3.75	-	-	
	INPUT POWER	W	35×3	35×3	35×3	2.520k	2.520k	2.520k	-	-	
		TOTAL W	-			2.625k	2.625k	2.625k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.27	4.27 / A	4.27	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3256	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.37×3/35×3	0.36×3/35×3	0.35×3/35×3	9.0/5.63k	9.0/5.86k	9.0/6.02k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.05/3.0k	3.85/3.0k	3.75/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(2.0×3)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14×3		(494)×3						
	HEAT	m^3/min (ft^3/min)	14×3		(494)×3						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
PRO I	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1556			/		
PAC I	WIDTH : W mm		1025			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	98		(216)	/		
	(GROSS) kg(lb)		34		(75)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-36PT2E5×4 / U-125PE1E8

INDOOR		MODEL	S-36PT2E5×4								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.37×4	0.36×4	0.35×4	5.85	5.55	5.35	-	-	
	INPUT POWER	W	35×4	35×4	35×4	3.620k	3.620k	3.620k	-	-	
		TOTAL W		-		3.760k	3.760k	3.760k	840	4.860k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1880	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.32	3.32 / A	3.32	3.93	2.88	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29								
		Power Level dB	54/50/47								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.37×4	0.36×4	0.35×4	5.50	5.20	5.05	-	-	
	INPUT POWER	W	35×4	35×4	35×4	3.400k	3.400k	3.400k	-	-	
		TOTAL W		-		3.540k	3.540k	3.540k	900	5.210k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.95	3.95 / A	3.95	4.56	3.07	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29			-			/	/	
		Power Level dB	54/50/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.37×4/35×4	0.36×4/35×4	0.35×4/35×4	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.85/3.0k	5.55/3.0k	5.35/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(1.975×4)	(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×4		(494)×4						
	HEAT	m³/min (ft³/min)	14×4		(494)×4						
O/D AIR FLOW	COOL	m³/min (ft³/min)				130		(4591)			
	HEAT	m³/min (ft³/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC DIM	HEIGHT : H mm		360			1556			/		
	WIDTH : W mm		1025			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	98		(216)	/		
	(GROSS) kg(lb)		34		(75)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-45PT2E5×3 / U-125PE1E8

INDOOR		MODEL	S-45PT2E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	CZ-P3HPC2BM								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.39×3	0.38×3	0.37×3	5.85	5.55	5.53	-	-	
	INPUT POWER	W	40×3	40×3	40×3	3.620k	3.620k	3.620k	-	-	
		TOTAL W		-		3.740k	3.740k	3.740k	840	4.860k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1870	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.34	3.34 / A	3.34	3.93	2.88	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29								
		Power Level dB	55/51/47								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.39×3	0.38×3	0.37×3	5.50	5.20	5.05	-	-	
	INPUT POWER	W	40×3	40×3	40×3	3.400k	3.400k	3.400k	-	-	
		TOTAL W		-		3.520k	3.520k	3.520k	900	5.210k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.98	3.98 / A	3.98	4.56	3.07	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29			-			/	/	
		Power Level dB	55/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.39×3/40×3	0.38×3/40×3	0.37×3/40×3	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.85/3.0k	5.55/3.0k	5.35/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(2.63×3)	(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	15×3		(530)×3						
	HEAT	m³/min (ft³/min)	15×3		(530)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				130		(4591)			
	HEAT	m³/min (ft³/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
PRO I	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1556			/		
PAC I	WIDTH : W mm		1025			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	98		(216)	/		
	(GROSS) kg(lb)		34		(75)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-50PT2E5×2 / U-100PE1E8

INDOOR		MODEL	S-50PT2E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.39×2	0.38×2	0.37×2	3.95	3.75	3.65	-	-	
	INPUT POWER	W	40×2	40×2	40×2	2.450k	2.450k	2.450k	-	-	
		TOTAL W	-			2.530k	2.530k	2.530k	840	3.850k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1265	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.95	3.95 / A	3.95	3.93	3.25	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.4	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	547	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29								
		Power Level dB	55/51/47								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.39×2	0.38×2	0.37×2	4.05	3.85	3.75	-	-	
	INPUT POWER	W	40×2	40×2	40×2	2.520k	2.520k	2.520k	-	-	
		TOTAL W	-			2.600k	2.600k	2.600k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3256	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29			-			/	/	
		Power Level dB	55/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.39×2/40×2	0.38×2/40×2	0.37×2/40×2	9.0/5.63k	9.0/5.86k	9.0/6.02k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.05/3.0k	3.85/3.0k	3.75/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	15×2		(530)×2						
	HEAT	m³/min (ft³/min)	15×2		(530)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				110		(3885)			
	HEAT	m³/min (ft³/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
PRO I	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1556			/		
PAC I	WIDTH : W mm		1025			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	98		(216)	/		
	(GROSS) kg(lb)		34		(75)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75			(16.4 ~ 246.1)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50			(0.538)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30			(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-50PT2E5×3 / U-140PE1E8

INDOOR		MODEL	S-50PT2E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E8					
Branch pipe		MODEL	CZ-P3HPC2BM								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.0	
		BTU/h	47800	47800	47800				11300	51200	
	CURRENT	A	0.39×3	0.38×3	0.37×3	7.30	6.95	6.70	-	-	
	INPUT POWER	W	40×3	40×3	40×3	4.530k	4.530k	4.530k	-	-	
		TOTAL W		-		4.650k	4.650k	4.650k	840	5.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2325	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.93	2.65	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29								
		Power Level dB	55/51/47								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.39×3	0.38×3	0.37×3	6.85	6.50	6.25	-	-	
	INPUT POWER	W	40×3	40×3	40×3	4.240k	4.240k	4.240k	-	-	
		TOTAL W		-		4.360k	4.360k	4.360k	900	5.930k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.67	3.67 / A	3.67	4.56	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29			-			/	/	
		Power Level dB	55/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.39×3/40×3	0.38×3/40×3	0.37×3/40×3	11.0/6.81k	11.0/7.16k	11.0/7.43k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.30/3.0k	6.95/3.0k	6.70/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0	(3.0×3)	(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	15×3		(530)×3						
	HEAT	m³/min (ft³/min)	15×3		(530)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				135		(4767)			
	HEAT	m³/min (ft³/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC DIM	HEIGHT : H mm		360			1556			/		
	WIDTH : W mm		1025			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	98		(216)	/		
	(GROSS) kg(lb)		34		(75)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-60PT2E5×2 / U-125PE1E8

INDOOR		MODEL	S-60PT2E5×2								
PANEL		MODEL	-				-				
OUTDOOR		MODEL					U-125PE1E8				
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.42×2	0.41×2	0.40×2	5.85	5.55	5.35	-	-	
	INPUT POWER	W	50×2	50×2	50×2	3.630k	3.630k	3.630k	-	-	
		TOTAL W		-		3.730k	3.730k	3.730k	840	4.860k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1865	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.35	3.35 / A	3.35	3.93	2.88	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30								
		Power Level dB	56/52/48								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	14.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.42×2	0.41×2	0.40×2	5.50	5.25	5.05	-	-	
	INPUT POWER	W	50×2	50×2	50×2	3.410k	3.410k	3.410k	-	-	
		TOTAL W		-		3.510k	3.510k	3.510k	900	5.210k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.99	3.99 / A	3.99	4.56	3.07	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30			-			/	/	
		Power Level dB	56/52/48			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×2/50×2	0.41×2/50×2	0.40×2/50×2	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.85/3.0k	5.55/3.0k	5.35/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	20×2		(706)×2						
	HEAT	m^3/min (ft^3/min)	20×2		(706)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
PRO I	WIDTH : W mm(inch)		1275		50-3/16	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1556			/		
PAC I	WIDTH : W mm		1340			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		33		(73)	98		(216)	/		
	(GROSS) kg(lb)		42		(93)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75			(16.4 ~ 246.1)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50			(0.538)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30			(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-71PT2E5 / U-71PE1E8

INDOOR		MODEL	S-71PT2E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.45	0.44	0.43	3.00	2.90	2.80	-	-	
	INPUT POWER	W	55	55	55	1.875k	1.875k	1.875k	-	-	
		TOTAL W	-			1.930k	1.930k	1.930k	450	2.780k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	965	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.68	3.68 / A	3.68	5.56	2.88	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	421	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31								
		Power Level dB	57/53/49								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.45	0.44	0.43	3.00	2.90	2.80	-	-	
	INPUT POWER	W	55	55	55	1.875k	1.875k	1.875k	-	-	
		TOTAL W	-			1.930k	1.930k	1.930k	400	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.15	4.15 / A	4.15	5.00	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2485	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31			-			/	/	
		Power Level dB	57/53/49			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.45/55	0.44/55	0.43/55	7.0/4.15k	7.0/4.36k	7.0/4.53k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	3.00/2.0k	2.90/2.0k	2.80/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	21		(742)						
	HEAT	m^3/min (ft^3/min)	21		(742)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	996		39-7/32	/		
PRO I	WIDTH : W mm(inch)		1275		50-3/16	940		37-1/32	/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340		13-13/32	/		
PAC D	HEIGHT : H mm		360			1136			/		
PAC I	WIDTH : W mm		1340			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		33		(73)	71		(157)	/		
	(GROSS) kg(lb)		42		(93)	79		(174)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50			(16.4 ~ 164)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50			(0.538)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30			(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-71PT2E5×2 / U-140PE1E8

INDOOR		MODEL	S-71PT2E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.0	
		BTU/h	47800	47800	47800				11300	51200	
	CURRENT	A	0.45×2	0.44×2	0.43×2	7.30	6.95	6.70	-	-	
	INPUT POWER	W	55×2	55×2	55×2	4.540k	4.540k	4.540k	-	-	
		TOTAL W	-			4.650k	4.650k	4.650k	840	5.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2325	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.93	2.65	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31								
		Power Level dB	57/53/49								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.45×2	0.44×2	0.43×2	6.85	6.50	6.30	-	-	
	INPUT POWER	W	55×2	55×2	55×2	4.250k	4.250k	4.250k	-	-	
		TOTAL W	-			4.360k	4.360k	4.360k	900	5.930k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.67	3.67 / A	3.67	4.56	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31			-			/	/	
		Power Level dB	57/53/49			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.45×2/55×2	0.44×2/55×2	0.43×2/55×2	11.0/6.81k	11.0/7.16k	11.0/7.43k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.30/3.0k	6.95/3.0k	6.70/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	21×2		(742)×2						
	HEAT	m^3/min (ft^3/min)	21×2		(742)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
PRO I	WIDTH : W mm(inch)		1275		50-3/16	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1556			/		
PAC I	WIDTH : W mm		1340			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		33		(73)	98		(216)	/		
	(GROSS) kg(lb)		42		(93)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition		Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C					
		Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75			(16.4 ~ 246.1)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50			(0.538)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30			(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-100PT2E5 / U-100PE1E8

INDOOR		MODEL	S-100PT2E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.69	0.67	0.65	3.95	3.75	3.65	-	-	
	INPUT POWER	W	80	80	80	2.450k	2.450k	2.450k	-	-	
		TOTAL W	-			2.530k	2.530k	2.530k	840	3.850k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1265	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.95	3.95 / A	3.95	3.93	3.25	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.6	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	531	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	42/37/35								
		Power Level dB	60/55/53								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.69	0.67	0.65	4.05	3.85	3.75	-	-	
	INPUT POWER	W	80	80	80	2.520k	2.520k	2.520k	-	-	
		TOTAL W	-			2.600k	2.600k	2.600k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3256	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	42/37/35			-			/	/	
		Power Level dB	60/55/53			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.69/80	0.67/80	0.65/80	9.0/5.63k	9.0/5.86k	9.0/6.02k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.05/3.0k	3.85/3.0k	3.75/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	30		(1059)						
	HEAT	m^3/min (ft^3/min)	30		(1059)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	1416		55-3/4	/		
	WIDTH : W mm(inch)		1590		62-19/32	940		37-1/32	/		
	DEPTH : D mm(inch)		690		27-5/32	340		13-13/32	/		
PAC DIM	HEIGHT : H mm		360			1556			/		
	WIDTH : W mm		1655			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		40		(88)	98		(216)	/		
	(GROSS) kg(lb)		49		(108)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-125PT2E5 / U-125PE1E8

INDOOR		MODEL	S-125PT2E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.89	0.86	0.83	5.85	5.55	5.35	-	-	
	INPUT POWER	W	110	110	110	3.620k	3.620k	3.620k	-	-	
		TOTAL W		-		3.730k	3.730k	3.730k	840	4.860k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1865	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.35	3.35 / A	3.35	3.93	2.88	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/40/36								
		Power Level dB	64/58/54								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.89	0.86	0.83	5.50	5.20	5.05	-	-	
	INPUT POWER	W	110	110	110	3.400k	3.400k	3.400k	-	-	
		TOTAL W		-		3.510k	3.510k	3.510k	900	5.210k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.99	3.99 / A	3.99	4.56	3.07	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/40/36			-			/	/	
		Power Level dB	64/58/54			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.89/110	0.86/110	0.83/110	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.85/3.0k	5.55/3.0k	5.35/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	34		(1201)						
	HEAT	m^3/min (ft^3/min)	34		(1201)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	1416		55-3/4	/		
	WIDTH : W mm(inch)		1590		62-19/32	940		37-1/32	/		
	DEPTH : D mm(inch)		690		27-5/32	340		13-13/32	/		
PAC DIM	HEIGHT : H mm		360			1556			/		
	WIDTH : W mm		1655			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		40		(88)	98		(216)	/		
	(GROSS) kg(lb)		49		(108)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

4. Ceiling Type S-140PT2E5 / U-140PE1E8

INDOOR		MODEL	S-140PT2E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.0	
		BTU/h	47800	47800	47800				11300	51200	
	CURRENT	A	0.94	0.91	0.88	7.30	6.95	6.70	-	-	
	INPUT POWER	W	120	120	120	4.530k	4.530k	4.530k	-	-	
		TOTAL W	-			4.650k	4.650k	4.650k	840	5.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2325	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.93	2.65	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/41/37								
		Power Level dB	65/59/55								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.94	0.91	0.88	6.85	6.50	6.25	-	-	
	INPUT POWER	W	120	120	120	4.240k	4.240k	4.240k	-	-	
		TOTAL W	-			4.360k	4.360k	4.360k	900	5.930k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.67	3.67 / A	3.67	4.56	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/41/37			-			/	/	
		Power Level dB	65/59/55			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.94/120	0.91/120	0.88/120	11.0/6.81k	11.0/7.16k	11.0/7.43k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.30/3.0k	6.95/3.0k	6.70/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	35		(1236)						
	HEAT	m^3/min (ft^3/min)	35		(1236)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	1416		55-3/4	/		
	WIDTH : W mm(inch)		1590		62-19/32	940		37-1/32	/		
	DEPTH : D mm(inch)		690		27-5/32	340		13-13/32	/		
PAC DIM	HEIGHT : H mm		360			1556			/		
	WIDTH : W mm		1655			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		40		(88)	98		(216)	/		
	(GROSS) kg(lb)		49		(108)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-36PK1E5×2 / U-71PE1E5

INDOOR		MODEL	S-36PK1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.20×2	0.19×2	0.19×2	9.75	9.40	9.10	-	-	
	INPUT POWER	W	16×2	17×2	17×2	2.055k	2.055k	2.055k	-	-	
		TOTAL W	-			2.090k	2.090k	2.090k	450	2.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1032.5	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.40	3.40 / A	3.40	5.56	3.02	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.6	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	376	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/31/27								
		Power Level dB	52/46/41								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.20×2	0.19×2	0.19×2	9.85	9.50	9.20	-	-	
	INPUT POWER	W	16×2	17×2	17×2	2.095k	2.095k	2.095k	-	-	
		TOTAL W	-			2.130k	2.130k	2.130k	400	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.76	3.76 / A	3.76	5.00	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-8	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2548	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/31/27			-			/	/	
		Power Level dB	52/46/41			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.20×2/16×2	0.19×2/17×2	0.19×2/17×2	18.0/3.800k	18.0/3.930k	18.0/4.060k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	9.85/2.0k	9.50/2.0k	9.20/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2 (2.1×2)		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	11×2		(388)×2						
	HEAT	m³/min (ft³/min)	11×2		(388)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				60		(2119)			
	HEAT	m³/min (ft³/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1136			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		13 (29)			69 (153)			/		
	(GROSS) kg(lb)		17 (38)			77 (170)			/		
LAYERS LIMIT (actually)			15 (16)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-36PK1E5×3 / U-100PE1E5

INDOOR		MODEL	S-36PK1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E5					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.20×3	0.19×3	0.19×3	12.0	11.4	10.9	-	-	
	INPUT POWER	W	16×3	17×3	17×3	2.525k	2.525k	2.520k	-	-	
		TOTAL W	-			2.575k	2.580k	2.575k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1290	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.88	3.88 / A	3.88	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	564	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/31/27								
		Power Level dB	52/46/41								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.20×3	0.19×3	0.19×3	13.1	12.5	12.0	-	-	
	INPUT POWER	W	16×3	17×3	17×3	2.705k	2.705k	2.700k	-	-	
		TOTAL W	-			2.755k	2.760k	2.755k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.07	4.06 / A	4.07	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3500	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/31/27			-			/	/	
		Power Level dB	52/46/41			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.20/16×3	0.19/17×3	0.19/17×3	25.0/5.350k	25.0/5.550k	25.0/5.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	13.1/3.0k	12.5/3.0k	12.0/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (2.0×3)		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	11×3		(388)×3						
	HEAT	m³/min (ft³/min)	11×3		(388)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				110		(3885)			
	HEAT	m³/min (ft³/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1556			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		13 (29)			98			/		
	(GROSS) kg(lb)		17 (38)			108			/		
LAYERS LIMIT (actually)			15 (16)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-36PK1E5×4 / U-125PE1E5

INDOOR			MODEL	S-36PK1E5×4							
PANEL			MODEL	-			-				
OUTDOOR			MODEL				U-125PE1E5				
Branch pipe			MODEL	CZ-P155BK1×3							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.20×4	0.19×4	0.19×4	17.3	16.7	16.2	-	-
	INPUT POWER		W	16×4	17×4	17×4	3.705k	3.705k	3.705k	-	-
			TOTAL W		-		3.770k	3.775k	3.775k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	1887.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.32	3.31 / A	3.31	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/31/27							
			Power Level dB	52/46/41							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.20×4	0.19×4	0.19×4	17.3	16.7	16.2	-	-
	INPUT POWER		W	16×4	17×4	17×4	3.705k	3.705k	3.705k	-	-
			TOTAL W		-		3.770k	3.775k	3.775k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.71	3.71 / A	3.71	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/31/27				-		/	/
			Power Level dB	52/46/41				-			
	NOISE OUTDOOR (H/L)		dB-A		-			53/-		/	/
			Power Level dB		-			70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP						-				
MAX CURRENT(A)/MAX INPUT POWER(W)				0.20/16×4	0.19/17×4	0.19/17×4	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	17.3/3.0k	16.7/3.0k	16.2/3.00k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-			
FM OUTPUT (W)					47×4			90×2		/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9 (1.98×4)		(16.6)		-			
External static pressure			Pa		-						
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	11×4		(388)×4					
	HEAT		m^3/min (ft^3/min)	11×4		(388)×4					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			300 (11-1/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1065 (41-23/64)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			230 (9-1/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			310			1556			/	
	WIDTH : W mm			1140			1055			/	
	DEPTH : D mm			380			485			/	
MASS	(NET) kg(lb)			13 (29)			98			/	
	(GROSS) kg(lb)			17 (38)			108			/	
LAYERS LIMIT (actually)				15 (16)			1 (2)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat O.D(DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-45PK1E5×3 / U-125PE1E5

INDOOR		MODEL	S-45PK1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.22×3	0.21×3	0.20×3	17.3	16.7	16.2	-	-	
	INPUT POWER	W	20×3	20×3	20×3	3.705k	3.705k	3.705k	-	-	
		TOTAL W		-		3.765k	3.765k	3.765k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1882.5	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.32	3.32 / A	3.32	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30								
		Power Level dB	55/49/44								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.22×3	0.21×3	0.20×3	17.3	16.7	16.2	-	-	
	INPUT POWER	W	20×3	20×3	20×3	3.705k	3.705k	3.705k	-	-	
		TOTAL W		-		3.765k	3.765k	3.765k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.72	3.72 / A	3.72	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30			-			/	/	
		Power Level dB	55/49/44			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.22×3/20×3	0.21×3/20×3	0.20×3/20×3	28.0/6.000k	28.0/6.200k	28.0/6.400k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.3/3.0k	16.7/3.0k	16.2/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (2.63×3)		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	12×3		(424)×3						
	HEAT	m^3/min (ft^3/min)	12×3		(424)×3						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO DIM	HEIGHT : H mm(inch)		300 (11-1/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		310			1556			/		
	WIDTH : W mm		1140			1055			/		
	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		13 (29)			98			/		
	(GROSS) kg(lb)		17 (38)			108			/		
LAYERS LIMIT (actually)			15 (16)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-50PK1E5 / U-50PE1E5

INDOOR		MODEL	S-50PK1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-50PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	5.0	5.0	5.0				1.5	5.6	
		BTU/h	17100	17100	17100				5100	19100	
	CURRENT	A	0.27	0.27	0.27	7.25	7.00	6.80	-	-	
	INPUT POWER	W	26	27	28	1.530k	1.530k	1.530k	-	-	
		TOTAL W	-			1.560k	1.560k	1.560k	260	2.250k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			780	780	780	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.21	3.21 / A	3.21	5.77	2.49	
	Erp ※6 Pdsign	kW	-	-	-	-	5.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	292	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32								
		Power Level dB	57/51/46								
	NOISE OUTDOOR (H/L)	dB-A				46/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	5.6	5.6	5.6				1.5	6.5	
		BTU/h	19100	19100	19100				5100	22200	
	CURRENT	A	0.27	0.27	0.27	6.95	6.75	6.50	-	-	
	INPUT POWER	W	26	27	28	1.470k	1.470k	1.470k	-	-	
		TOTAL W	-			1.500k	1.500k	1.500k	220	2.450k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.73	3.73 / A	3.73	6.82	2.65	
	Erp ※6 Pdsign	kW	-	-	-	-	4.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	1436	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32			-			/	/	
		Power Level dB	57/51/46			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.27/26	0.27/27	0.27/28	12/2.530k	12/2.620k	12/2.710k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.25/1.5k	7.00/1.5k	6.80/1.5k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	2.8		(5.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14		(494)						
	HEAT	m^3/min (ft^3/min)	14		(494)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				30		(1059)			
	HEAT	m^3/min (ft^3/min)				35		(1236)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.65k	(58.2)	/		
PRO D	HEIGHT : H mm(inch)		300		11-1/32	569		22-13/32	/		
PRO I	WIDTH : W mm(inch)		1065		41-15/16	790		31-7/64	/		
PRO M	DEPTH : D mm(inch)		230		9-1/32	285		11-7/32	/		
PAC D	HEIGHT : H mm		310			645			/		
PAC I	WIDTH : W mm		1140			921			/		
PAC M	DEPTH : D mm		380			386			/		
MASS	(NET) kg(lb)		13		(29)	42		(93)	/		
	(GROSS) kg(lb)		17		(37)	46		(101)	/		
LAYERS LIMIT (actually)			15 (16)			4 (5)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 40 (16.4 ~ 131.2)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) /30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		20 (0.215)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-50PK1E5×2 / U-100PE1E5

INDOOR		MODEL	S-50PK1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.27×2	0.27×2	0.27×2	12.0	11.4	10.9	-	-	
	INPUT POWER	W	26×2	27×2	28×2	2.525k	2.525k	2.525k	-	-	
		TOTAL W	-			2.580k	2.580k	2.580k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1290	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.88	3.88 / A	3.88	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	564	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32								
		Power Level dB	57/51/46								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.27×2	0.27×2	0.27×2	13.1	12.5	12.0	-	-	
	INPUT POWER	W	26×2	27×2	28×2	2.705k	2.705k	2.705k	-	-	
		TOTAL W	-			2.760k	2.760k	2.760k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.06	4.06 / A	4.06	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3500	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32			-			/	/	
		Power Level dB	57/51/46			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.27×2/26×2	0.27×2/27×2	0.27×2/28×2	25.0/5.350k	25.0/5.550k	25.0/5.570k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	13.1/3.0k	12.5/3.0k	12.0/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×2			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (3.0×2)		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14×2		(494)×2						
	HEAT	m^3/min (ft^3/min)	14×2		(494)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110 (3885)					
	HEAT	m^3/min (ft^3/min)				95 (3355)					
REFRIGERANT TYPE, AMOUNT g(oz)						R410A 3.40k (119.9)			/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1556			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		13 (29)			98			/		
	(GROSS) kg(lb)		17 (38)			108			/		
LAYERS LIMIT (actually)			15 (16)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-50PK1E5×3 / U-140PE1E5

INDOOR		MODEL	S-50PK1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.27×3	0.27×3	0.27×3	21.3	20.6	20.0	-	-	
	INPUT POWER	W	26×3	27×3	28×3	4.565k	4.565k	4.565k	-	-	
		TOTAL W	-			4.645k	4.650k	4.650k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2325	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / C	3.01	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32								
		Power Level dB	57/51/46								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.27×3	0.27×3	0.27×3	21.9	21.2	20.5	-	-	
	INPUT POWER	W	26×3	27×3	28×3	4.685k	4.685k	4.685k	-	-	
		TOTAL W	-			4.765k	4.770k	4.770k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.36	3.35 / C	3.35	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32			-			/	/	
		Power Level dB	57/51/46			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.27×3/26×3	0.27×3/27×3	0.27×3/28×3	30.0/6.450k	30.0/6.650k	30.0/6.850k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	21.9/3.0k	21.2/3.0k	20.5/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0 (3.0×3)		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×3		(494)×3						
	HEAT	m³/min (ft³/min)	14×3		(494)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				135		(4767)			
	HEAT	m³/min (ft³/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1556			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		13 (29)			98			/		
	(GROSS) kg(lb)		17 (38)			108			/		
LAYERS LIMIT (actually)			15 (16)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-60PK1E5 / U-60PE1E5

INDOOR		MODEL	S-60PK1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-60PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.5	7.1	
		BTU/h	20500	20500	20500				8500	24200	
	CURRENT	A	0.59	0.58	0.52	7.45	7.15	6.95	-	-	
	INPUT POWER	W	57	57	57	1.500k	1.500k	1.500k	-	-	
		TOTAL W		-		1.560k	1.560k	1.560k	450	2.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	780	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	5.56	3.55	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.6	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	318	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	92	91	90	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/44/40								
		Power Level dB	64/59/54								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	7.0	7.0	7.0				2.0	8.0	
		BTU/h	23900	23900	23900				6800	27300	
	CURRENT	A	0.59	0.58	0.52	8.45	8.15	7.90	-	-	
	INPUT POWER	W	57	57	57	1.760k	1.760k	1.760k	-	-	
		TOTAL W		-		1.820k	1.820k	1.820k	400	2.480k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	5.00	3.23	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2154	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/44/40			-			/	/	
		Power Level dB	64/59/54			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.59/57	0.58/57	0.52/57	18.0/3.800k	18.0/3.930k	18.0/4.060k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	8.45/1.7k	8.15/1.7k	7.90/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.4		(7.1)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	18		(636)						
	HEAT	m³/min (ft³/min)	18		(636)						
O/D AIR FLOW	COOL	m³/min (ft³/min)				60		(2119)			
	HEAT	m³/min (ft³/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.00k	(70.5)	/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1136			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		14.5 (32)			68 (150)			/		
	(GROSS) kg(lb)		18 (40)			76 (168)			/		
LAYERS LIMIT (actually)			15 (16)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-60PK1E5×2 / U-125PE1E5

INDOOR		MODEL	S-60PK1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.59×2	0.58×2	0.52×2	17.3	16.7	16.2	-	-	
	INPUT POWER	W	57×2	57×2	57×2	3.705k	3.705k	3.705k	-	-	
		TOTAL W		-		3.820k	3.820k	3.820k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1910	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.27	3.27 / A	3.27	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		47/44/40							
		Power Level dB		64/59/54							
	NOISE OUTDOOR (H/L)	dB-A					53/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.59×2	0.58×2	0.52×2	17.3	16.7	16.2	-	-	
	INPUT POWER	W	57×2	57×2	57×2	3.705k	3.705k	3.705k	-	-	
		TOTAL W		-		3.820k	3.820k	3.820k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.66	3.66 / A	3.66	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		47/44/40			-		/	/	
		Power Level dB		64/59/54			-				
	NOISE OUTDOOR (H/L)	dB-A		-			53/-		/	/	
		Power Level dB		-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP					-					
MAX CURRENT(A)/MAX INPUT POWER(W)			0.59×2/57×2	0.58×2/57×2	0.52×2/57×2	28.0/6.000k	28.0/6.200k	28.0/6.400k		/	
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.3/3.0k	16.7/3.0k	16.2/3.0k		/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				47×2			90×2			/	
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (3.95×2)		(16.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m³/min (ft³/min)	18×2		(636)×2						
	HEAT	m³/min (ft³/min)	18×2		(636)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)					130 (4591)				
	HEAT	m³/min (ft³/min)					110 (3885)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			/	
PRO DIM	HEIGHT : H mm(inch)		300 (11-1/32)			1416 (55-3/4)				/	
	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)				/	
	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)				/	
PAC DIM	HEIGHT : H mm		310			1556				/	
	WIDTH : W mm		1140			1055				/	
	DEPTH : D mm		380			485				/	
MASS	(NET) kg(lb)		14.5 (32)			98				/	
	(GROSS) kg(lb)		18 (40)			108				/	
LAYERS LIMIT (actually)			15 (16)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-71PK1E5 / U-71PE1E5

INDOOR		MODEL	S-71PK1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.59	0.58	0.52	9.75	9.40	9.10	-	-	
	INPUT POWER	W	57	57	57	2.030k	2.030k	2.030k	-	-	
		TOTAL W	-			2.090k	2.090k	2.090k	450	2.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1045	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.40	3.40 / A	3.40	5.56	3.02	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.6	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	376	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	95	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/44/40								
		Power Level dB	64/59/54								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.59	0.58	0.52	9.85	9.50	9.20	-	-	
	INPUT POWER	W	57	57	57	2.070k	2.070k	2.070k	-	-	
		TOTAL W	-			2.130k	2.130k	2.130k	400	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.76	3.76 / A	3.76	5.00	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2548	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/44/40			-			/	/	
		Power Level dB	64/59/54			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.59/57	0.58/57	0.52/57	18.0/3.800k	18.0/3.930k	18.0/4.060k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	9.85/2.0k	9.50/2.0k	9.20/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	18		(636)						
	HEAT	m^3/min (ft^3/min)	18		(636)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO DIM	HEIGHT : H mm(inch)		300 (11-1/32)			996 (39-7/32)			/		
	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		310			1136			/		
	WIDTH : W mm		1140			1055			/		
	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		14.5 (32)			69 (153)			/		
	(GROSS) kg(lb)		18 (40)			77 (170)			/		
LAYERS LIMIT (actually)			15 (16)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-71PK1E5×2 / U-140PE1E5

INDOOR		MODEL	S-71PK1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.59×2	0.58×2	0.52×2	21.3	20.6	20.0	-	-	
	INPUT POWER	W	57×2	57×2	57×2	4.565k	4.565k	4.565k	-	-	
		TOTAL W	-			4.680k	4.680k	4.680k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2340	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.99	2.99 / C	2.99	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/44/40								
		Power Level dB	64/59/54								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.59×2	0.58×2	0.52×2	21.9	21.2	20.5	-	-	
	INPUT POWER	W	57×2	57×2	57×2	4.685k	4.685k	4.685k	-	-	
		TOTAL W	-			4.800k	4.800k	4.800k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.33	3.33 / C	3.33	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/44/40			-			/	/	
		Power Level dB	64/59/54			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.59×2/57×2	0.58×2/57×2	0.52×2/57×2	30.0/6450k	30.0/6.650k	30.0/6.850k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	21.9/3.0k	21.2/3.0k	20.5/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×2			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0 (4.5×2)		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	18×2		(636)×2						
	HEAT	m³/min (ft³/min)	18×2		(636)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				135		(4767)			
	HEAT	m³/min (ft³/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1556			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		14.5 (32)			98			/		
	(GROSS) kg(lb)		18 (40)			108			/		
LAYERS LIMIT (actually)			15 (16)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-36PK1E5×2 / U-71PE1E8

INDOOR		MODEL	S-36PK1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				3.2	8.0	
		BTU/h	24200	24200	24200				10900	27300	
	CURRENT	A	0.20×2	0.19×2	0.19×2	3.30	3.20	3.10	-	-	
	INPUT POWER	W	16×2	17×2	17×2	2.055k	2.055k	2.055k	-	-	
		TOTAL W		-		2.090k	2.090k	3.070k	560	2.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1045	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.40	3.40 / A	3.40	5.71	3.02	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	407	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	95	93	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/31/27								
		Power Level dB	52/46/41								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.8	9.0	
		BTU/h	27300	27300	27300				9600	30700	
	CURRENT	A	0.20×2	0.19×2	0.19×2	3.35	3.25	3.15	-	-	
	INPUT POWER	W	16×2	17×2	17×2	2.095k	2.095k	2.095k	-	-	
		TOTAL W		-		2.130k	2.130k	2.130k	500	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.76	3.76 / A	3.76	5.60	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-8	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2616	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/31/27			-			/	/	
		Power Level dB	52/46/41			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.20×2/16×2	0.19×2/17×2	0.19×2/17×2	7.0/4.150k	7.0/4.360k	7.0/4.530k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	3.35/2.0k	3.25/2.0k	3.15/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2 (2.1×2)		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	11×2		(388)×2						
	HEAT	m³/min (ft³/min)	11×2		(388)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				60		(2119)			
	HEAT	m³/min (ft³/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1136			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		13 (29)			71 (157)			/		
	(GROSS) kg(lb)		17 (38)			79 (175)			/		
LAYERS LIMIT (actually)			15 (16)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-36PK1E5×3 / U-100PE1E8

INDOOR		MODEL	S-36PK1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.20×3	0.19×3	0.19×3	3.98	3.78	3.64	-	-	
	INPUT POWER	W	16×3	17×3	17×3	2.525k	2.525k	2.520k	-	-	
		TOTAL W		-		2.575k	2.580k	2.575k	840	3.700k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1290	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.88	3.88 / A	3.88	3.93	3.38	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	574	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/31/27								
		Power Level dB	52/46/41								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.2	11.2	11.2				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.20×3	0.19×3	0.19×3	4.35	4.14	3.98	-	-	
	INPUT POWER	W	16×3	17×3	17×3	2.705k	2.705k	2.700k	-	-	
		TOTAL W		-		2.755k	2.760k	2.755k	900	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.07	4.06 / A	4.07	4.56	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3500	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/31/27			-			/	/	
		Power Level dB	52/46/41			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.20×3/16×3	0.19×3/17×3	0.19×3/17×3	9.0/5.550k	9.0/5.850k	9.0/6.100k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.35/3.0k	4.14/3.0k	3.98/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (2.0×3)		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	11×3		(388)×3						
	HEAT	m³/min (ft³/min)	11×3		(388)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				110		(3885)			
	HEAT	m³/min (ft³/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1556			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		13 (29)			98			/		
	(GROSS) kg(lb)		17 (38)			108			/		
LAYERS LIMIT (actually)			15 (16)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-36PK1E5×4 / U-125PE1E8

INDOOR			MODEL	S-36PK1E5×4							
PANEL			MODEL	-			-				
OUTDOOR			MODEL				U-125PE1E8				
Branch pipe			MODEL	CZ-P155BK1×3							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.20×4	0.19×4	0.19×4	5.78	5.56	5.40	-	-
	INPUT POWER		W	16×4	17×4	17×4	3.705k	3.705k	3.705k	-	-
			TOTAL W	-			3.770k	3.775k	3.775k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1887.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.32	3.31 / A	3.31	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/31/27							
			Power Level dB	52/46/41							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.20×4	0.19×4	0.19×4	5.78	5.55	5.40	-	-
	INPUT POWER		W	16×4	17×4	17×4	3.705k	3.705k	3.705k	-	-
			TOTAL W	-			3.770k	3.775k	3.775k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.71	3.71 / A	3.71	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/31/27			-			/	/
			Power Level dB	52/46/41			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.20×4/16×4	0.19×4/17×4	0.19×4/17×4	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.78/3.0k	5.55/3.0k	5.40/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				47×4			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9 (1.98×4)		(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	11×4		(388)×4					
	HEAT		m^3/min (ft^3/min)	11×4		(388)×4					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			300 (11-1/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1065 (41-23/64)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			230 (9-1/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			310			1556			/	
	WIDTH : W mm			1140			1055			/	
	DEPTH : D mm			380			485			/	
MASS	(NET) kg(lb)			13 (29)			98			/	
	(GROSS) kg(lb)			17 (38)			108			/	
LAYERS LIMIT (actually)				15 (16)			1 (2)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat O.D(DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-45PK1E5×3 / U-125PE1E8

INDOOR		MODEL	S-45PK1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.22×3	0.21×3	0.20×3	5.78	5.56	5.40	-	-	
	INPUT POWER	W	20×3	20×3	20×3	3.705k	3.705k	3.705k	-	-	
		TOTAL W		-		3.765k	3.765k	3.765k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1882.5	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.32	3.32 / A	3.32	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30								
		Power Level dB	55/49/44								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.22×3	0.21×3	0.20×3	5.78	5.55	5.40	-	-	
	INPUT POWER	W	20×3	20×3	20×3	3.705k	3.705k	3.705k	-	-	
		TOTAL W		-		3.765k	3.765k	3.765k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.72	3.72 / A	3.72	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30			-			/	/	
		Power Level dB	55/49/44			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.22×3/20×3	0.21×3/20×3	0.20×3/20×3	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.78/3.0k	5.55/3.0k	5.40/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (2.63×3)		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	12×3		(424)×3						
	HEAT	m³/min (ft³/min)	12×3		(424)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				130		(4591)			
	HEAT	m³/min (ft³/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1556			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		13 (29)			98			/		
	(GROSS) kg(lb)		17 (38)			108			/		
LAYERS LIMIT (actually)			15 (16)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-50PK1E5×2 / U-100PE1E8

INDOOR			MODEL	S-50PK1E5×2							
PANEL			MODEL	-			-				
OUTDOOR			MODEL				U-100PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.27×2	0.27×2	0.27×2	3.98	3.78	3.64	-	-
	INPUT POWER		W	26×2	27×2	28×2	2.525k	2.525k	2.520k	-	-
			TOTAL W	-			2.580k	2.580k	2.580k	840	3.700k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1290	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.88	3.88 / A	3.88	3.93	3.38
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.1	-		
		Annual consumption	kWh	-	-	-	-	574	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/36/32							
			Power Level dB	57/51/46							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.27×2	0.27×2	0.27×2	4.35	4.14	3.98	-	-
	INPUT POWER		W	26×2	27×2	28×2	2.705k	2.705k	2.700k	-	-
			TOTAL W	-			2.760k	2.760k	2.760k	900	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.06	4.06 / A	4.06	4.56	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	4.0	-		
		Annual consumption	kWh	-	-	-	-	3500	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/36/32				-		/	/
			Power Level dB	57/51/46				-			
	NOISE OUTDOOR (H/L)		dB-A	-				52/-		/	/
			Power Level dB	-				69/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.27×2/26×2	0.27×2/27×2	0.27×2/28×2	9.0/5.550k	9.0/5.850k	9.0/6.100k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	4.35/3.0k	4.14/3.0k	3.98/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				47×2			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0 (3.0×2)		(12.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×2		(494)×2					
	HEAT		m^3/min (ft^3/min)	14×2		(494)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110 (3885)				
	HEAT		m^3/min (ft^3/min)				95 (3355)				
REFRIGERANT TYPE, AMOUNT g(oz)							R410A 3.40k (119.9)			/	
PRO DIM	HEIGHT : H mm(inch)			300 (11-1/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1065 (41-23/64)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			230 (9-1/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			310			1556			/	
	WIDTH : W mm			1140			1055			/	
	DEPTH : D mm			380			485			/	
MASS	(NET) kg(lb)			13 (29)			98			/	
	(GROSS) kg(lb)			17 (38)			108			/	
LAYERS LIMIT (actually)				15 (16)			1 (2)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-15°C ~ 46°C				
			Heat O.D(DBT)	16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-50PK1E5×3 / U-140PE1E8

INDOOR		MODEL	S-50PK1E5×3								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-140PE1E8					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.27×3	0.27×3	0.27×3	7.12	6.85	6.66	-	-	
	INPUT POWER	W	26×3	27×3	28×3	4.565k	4.565k	4.565k	-	-	
		TOTAL W	-			4.645k	4.650k	4.650k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2325	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / C	3.01	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32								
		Power Level dB	57/51/46								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.27×3	0.27×3	0.27×3	7.31	6.94	6.76	-	-	
	INPUT POWER	W	26×3	27×3	28×3	4.685k	4.685k	4.685k	-	-	
		TOTAL W	-			4.765k	4.770k	4.770k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.36	3.35 / C	3.35	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	97	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32			-			/	/	
		Power Level dB	57/51/46			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.27×3/26×3	0.27×3/27×3	0.27×3/28×3	11.0/6.800k	11.0/7.150k	11.0/7.450k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.31/3.0k	6.94/3.0k	6.76/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0 (3.0×3)		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×3		(494)×3						
	HEAT	m³/min (ft³/min)	14×3		(494)×3						
O/D AIR FLOW	COOL	m³/min (ft³/min)				135		(4767)			
	HEAT	m³/min (ft³/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1556			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		13 (29)			98			/		
	(GROSS) kg(lb)		17 (38)			108			/		
LAYERS LIMIT (actually)			15 (16)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-60PK1E5×2 / U-125PE1E8

INDOOR			MODEL	S-60PK1E5×2							
PANEL			MODEL	-			-				
OUTDOOR			MODEL				U-125PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.59×2	0.58×2	0.52×2	5.78	5.56	5.40	-	-
	INPUT POWER		W	57×2	57×2	57×2	3.705k	3.705k	3.705k	-	-
			TOTAL W		-		3.820k	3.820k	3.820k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	1910	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.27	3.27 / A	3.27	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	47/44/40							
			Power Level dB	64/59/54							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.59×2	0.58×2	0.52×2	5.78	5.55	5.40	-	-
	INPUT POWER		W	57×2	57×2	57×2	3.705k	3.705k	3.705k	-	-
			TOTAL W		-		3.820k	3.820k	3.820k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.66	3.66 / A	3.66	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	47/44/40			-			/	/
			Power Level dB	64/59/54			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.59×2/57×2	0.58×2/57×2	0.52×2/57×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.78/3.0k	5.55/3.0k	5.40/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				47×2			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9 (3.95×2)		(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	18×2		(636)×2					
	HEAT		m^3/min (ft^3/min)	18×2		(636)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			300 (11-1/32)			1416 (55-3/4)			/	
	WIDTH : W mm(inch)			1065 (41-23/64)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			230 (9-1/32)			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			310			1556			/	
	WIDTH : W mm			1140			1055			/	
	DEPTH : D mm			380			485			/	
MASS	(NET) kg(lb)			14.5 (32)			98			/	
	(GROSS) kg(lb)			18 (40)			108			/	
LAYERS LIMIT (actually)				15 (16)			1 (2)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat O.D(DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-71PK1E5 / U-71PE1E8

INDOOR		MODEL	S-71PK1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				3.2	8.0	
		BTU/h	24200	24200	24200				10900	27300	
	CURRENT	A	0.59	0.58	0.52	3.25	3.15	3.05	-	-	
	INPUT POWER	W	57	57	57	2.030k	2.030k	2.030k	-	-	
		TOTAL W		-		2.090k	2.090k	2.090k	560	2.650k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1045	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.40	3.40 / A	3.40	5.71	3.02	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	407	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	95	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/44/40								
		Power Level dB	64/59/54								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.8	9.0	
		BTU/h	27300	27300	27300				9600	30700	
	CURRENT	A	0.59	0.58	0.52	3.30	3.20	3.10	-	-	
	INPUT POWER	W	57	57	57	2.070k	2.070k	2.070k	-	-	
		TOTAL W		-		2.130k	2.130k	2.130k	500	2.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.76	3.76 / A	3.76	5.60	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2616	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/44/40			-			/	/	
		Power Level dB	64/59/54			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.59/57	0.58/57	0.52/57	7.0/4.150k	7.0/4.360k	7.0/4.530k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	3.30/2.0k	3.20/2.0k	3.10/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	18		(636)						
	HEAT	m^3/min (ft^3/min)	18		(636)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PRO DIM	HEIGHT : H mm(inch)		300 (11-1/32)			996 (39-7/32)			/		
	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		310			1136			/		
	WIDTH : W mm		1140			1055			/		
	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		14.5 (32)			71 (157)			/		
	(GROSS) kg(lb)		18 (40)			79 (175)			/		
LAYERS LIMIT (actually)			15 (16)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

5. Wall Mounted Type S-71PK1E5×2 / U-140PE1E8

INDOOR		MODEL	S-71PK1E5×2								
PANEL		MODEL	-				-				
OUTDOOR		MODEL					U-140PE1E8				
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.59×2	0.58×2	0.52×2	7.12	6.83	6.66	-	-	
	INPUT POWER	W	57×2	57×2	57×2	4.565k	4.565k	4.565k	-	-	
		TOTAL W		-		4.680k	4.680k	4.680k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2340	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.99	2.99 / C	2.99	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/44/40								
		Power Level dB	64/59/54								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.59×2	0.58×2	0.52×2	7.31	6.94	6.76	-	-	
	INPUT POWER	W	57×2	57×2	57×2	4.685k	4.685k	4.685k	-	-	
		TOTAL W		-		4.800k	4.800k	4.800k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.33	3.33 / C	3.33	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	97	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/44/40				-		/	/	
		Power Level dB	64/59/54				-				
	NOISE OUTDOOR (H/L)	dB-A		-			55/-		/	/	
		Power Level dB		-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.59×2/57×2	0.58×2/57×2	0.52×2/57×2	11.0/6.800k	11.0/7.150k	11.0/7.450k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.31/3.0k	6.94/3.0k	6.76/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				47×2			90×2		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0 (4.5×2)		(18.9)		-				
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	18×2		(636)×2						
	HEAT	m³/min (ft³/min)	18×2		(636)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				135		(4767)			
	HEAT	m³/min (ft³/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			1416 (55-3/4)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-23/64)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1556			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		14.5 (32)			98			/		
	(GROSS) kg(lb)		18 (40)			108			/		
LAYERS LIMIT (actually)			15 (16)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-36PF1E5×2 / U-71PE1E5

INDOOR			MODEL	S-36PF1E5×2							
OUTDOOR			MODEL				U-71PE1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	7.10	7.10	7.10				2.5	8.0
			BTU/h	24200	24200	24200				8500	27300
	CURRENT		A	0.60×2	0.57×2	0.56×2	8.90	8.60	8.30	-	-
	INPUT POWER		W	70×2	70×2	70×2	1.730k	1.730k	1.730k	-	-
			TOTAL W	-			1.870k	1.870k	1.870k	530	2.650k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	935	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	4.72	3.02
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	6.2	-		
		Annual consumption	kWh	-	-	-	-	401	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	96	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25							
			Power Level dB	55/51/47							
	NOISE OUTDOOR (H/L)		dB-A				48/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	8.0	8.0	8.0				2.0	9.0
			BTU/h	27300	27300	27300				6800	30700
	CURRENT		A	0.60×2	0.57×2	0.56×2	9.90	9.50	9.20	-	-
	INPUT POWER		W	70×2	70×2	70×2	1.960k	1.960k	1.960k	-	-
			TOTAL W	-			2.100k	2.100k	2.100k	480	2.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.81	3.81 / A	3.81	4.17	3.10
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	4.0	-		
		Annual consumption	kWh	-	-	-	-	2485	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	96	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25			-			/	/
			Power Level dB	55/51/47			-				
	NOISE OUTDOOR (H/L)		dB-A	-			50/-			/	/
			Power Level dB	-			67/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.86×2/105×2	0.82×2/105×2	0.79×2/105×2	18.0/3.800k	18.0/3.930k	18.0/4.060k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	9.90/2.0k	9.50/2.0k	9.20/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×2		(494)×2					
	HEAT		m^3/min (ft^3/min)	14×2		(494)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			996 (39-7/32)			/	
		WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1136			/	
		WIDTH : W mm		1014			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		28 (62)			69 (153)			/	
		(GROSS) kg(lb)		35 (78)			77 (170)			/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-36PF1E5×3 / U-100PE1E5

INDOOR			MODEL	S-36PF1E5×3							
OUTDOOR			MODEL				U-100PE1E5				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.6×3	0.57×3	0.56×3	11.0	10.6	10.3	-	-
	INPUT POWER		W	70×3	70×3	70×3	2.245k	2.245k	2.245k	-	-
			TOTAL W	-			2.455k	2.455k	2.455k	840	3.700k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1227.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.07	4.07 / A	4.07	3.93	3.38
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.8	-		
		Annual consumption	kWh	-	-	-	-	603	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	93	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25							
			Power Level dB	55/51/47							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.6×3	0.57×3	0.56×3	11.6	11.2	10.7	-	-
	INPUT POWER		W	70×3	70×3	70×3	2.400k	2.400k	2.400k	-	-
			TOTAL W	-			2.610k	2.610k	2.610k	900	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.29	4.29 / A	4.29	4.56	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3684	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25				-		/	/
			Power Level dB	55/51/47				-			
	NOISE OUTDOOR (H/L)		dB-A	-				52/-		/	/
			Power Level dB	-				69/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.86×3/105×3	0.82×3/105×3	0.79×3/105×3	25.0/5.350k	25.0/5.550k	25.0/5.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	11.6/3.0k	11.2/3.0k	10.7/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(2.0×3)	(12.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×3		(494)×3					
	HEAT		m^3/min (ft^3/min)	14×3		(494)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1014			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		28 (62)			98			/	
		(GROSS) kg(lb)		35 (78)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-36PF1E5×4 / U-125PE1E5

INDOOR			MODEL	S-36PF1E5×4							
OUTDOOR			MODEL				U-125PE1E5				
Branch pipe			MODEL	CZ-P155BK1×3							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.6×4	0.57×4	0.56×4	16.6	15.9	15.3	-	-
	INPUT POWER		W	70×4	70×4	70×4	3.355k	3.355k	3.355k	-	-
			TOTAL W	-			3.635k	3.635k	3.635k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1817.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.44	3.44 / A	3.44	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	92	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25							
			Power Level dB	55/51/47							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.6×4	0.57×4	0.56×4	16.3	15.8	15.1	-	-
	INPUT POWER		W	70×4	70×4	70×4	3.270k	3.270k	3.270k	-	-
			TOTAL W	-			3.550k	3.550k	3.550k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.94	3.94 / A	3.94	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	91	90	90	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25			-			/	/
			Power Level dB	55/51/47			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.86×4/105×4	0.82×4/105×4	0.79×4/105×4	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	16.6/3.0k	15.9/3.0k	15.3/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(1.98×4)	(16.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×4		(494)×4					
	HEAT		m^3/min (ft^3/min)	14×4		(494)×4					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1014			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		28 (62)			98			/	
		(GROSS) kg(lb)		35 (78)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-45PF1E5×3 / U-125PE1E5

INDOOR			MODEL	S-45PF1E5×3							
OUTDOOR			MODEL				U-125PE1E5				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.60×3	0.57×3	0.56×3	16.6	15.9	15.4	-	-
	INPUT POWER		W	70×3	70×3	70×3	3.360k	3.360k	3.360k	-	-
			TOTAL W	-			3.570k	3.570k	3.570k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1785	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.50	3.50 / A	3.50	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	92	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26							
			Power Level dB	56/52/48							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.60×3	0.57×3	0.56×3	16.3	15.8	15.1	-	-
	INPUT POWER		W	70×3	70×3	70×3	3.270k	3.270k	3.270k	-	-
			TOTAL W	-			3.480k	3.480k	3.480k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.02	4.02 / A	4.02	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	91	90	90	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26			-			/	/
			Power Level dB	56/52/48			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.86×3/105×3	0.82×3/105×3	0.79×3/105×3	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	16.6/3.0k	15.9/3.0k	15.3/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(2.63×3)	(16.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×3	(494)×3						
	HEAT		m^3/min (ft^3/min)	14×3	(494)×3						
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130	(4591)			
	HEAT		m^3/min (ft^3/min)				110	(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1014			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		28 (62)			98			/	
		(GROSS) kg(lb)		35 (78)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-50PF1E5 / U-50PE1E5

INDOOR			MODEL	S-50PF1E5							
PANEL			MODEL	-			-				
OUTDOOR			MODEL				U-50PE1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	5.0	5.0	5.0				1.5	5.6
			BTU/h	17100	17100	17100				5100	19100
	CURRENT		A	0.77	0.74	0.71	6.10	5.85	5.60	-	-
	INPUT POWER		W	100	100	100	1.250k	1.250k	1.250k	-	-
			TOTAL W	-			1.350k	1.350k	1.350k	260	2.000k
	ANNUAL CONSUMPTION		TOTAL kWh※4	-			675	675	675	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	5.77	2.80
	Erp ※6	Pdsign	kW	-	-	-	-	5.0	-		
		SEER	(W/W)	-	-	-	-	5.7	-		
		Annual consumption	kWh	-	-	-	-	307	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	93	93	93	-	-
	NOISE INDOOR		dB-A (H/M/L)	34/30/26							
			Power Level dB	56/52/48							
	NOISE OUTDOOR		dB-A (H/L)				46/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	5.6	5.6	5.6				1.5	6.5
			BTU/h	19100	19100	19100				5100	22200
	CURRENT		A	0.77	0.74	0.71	6.85	6.55	6.25	-	-
	INPUT POWER		W	100	100	100	1.400k	1.4000k	1.400k	-	-
			TOTAL W	-			1.500k	1.500k	1.500k	220	2.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.73	3.73 / A	3.73	6.82	2.71
	Erp ※6	Pdsign	kW	-	-	-	-	4.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	1474	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	93	93	93	-	-
	NOISE INDOOR		dB-A (H/M/L)	34/30/26			-			/	/
			Power Level dB	56/52/48			-				
	NOISE OUTDOOR		dB-A (H/L)	-			50/-			/	/
			Power Level dB	-			69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.00/125	0.96/125	0.92/125	12/2.46k	12/2.57k	12/2.68k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.85/1.4k	6.55/1.4k	6.25/1.4k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	2.8		(5.9)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16		(565)					
	HEAT		m^3/min (ft^3/min)	16		(565)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				30		(1067)		
	HEAT		m^3/min (ft^3/min)				35		(1225)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	1.65k	(58.2)	/	
PRO DIM	HEIGHT : H mm(inch)			290 (11-13/32)			569 (22-13/32)			/	
	WIDTH : W mm(inch)			800 (31-1/2)			790 (31-7/64)			/	
	DEPTH : D mm(inch)			700 (27-9/16)			285 (11-7/32)			/	
PAC DIM	HEIGHT : H mm			355			645			/	
	WIDTH : W mm			1014			921			/	
	DEPTH : D mm			850			386			/	
MASS	(NET) kg(lb)			28 (62)			42 (93)			/	
	(GROSS) kg(lb)			35 (78)			46 (101)			/	
LAYERS LIMIT (actually)				9 (10)			4 (5)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat (DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 40 (16.4 ~ 131.2)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			20 (0.215)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-50PF1E5×2 / U-100PE1E5

INDOOR			MODEL	S-50PF1E5×2							
OUTDOOR			MODEL				U-100PE1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.77×2	0.74×2	0.71×2	11.0	10.6	10.3	-	-
	INPUT POWER		W	100×2	100×2	100×2	2.245k	2.245k	2.245k	-	-
			TOTAL W	-			2.445k	2.445k	2.445k	840	3.700k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1222.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.09	4.09 / A	4.09	3.93	3.38
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.8	-		
		Annual consumption	kWh	-	-	-	-	603	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	93	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26							
			Power Level dB	56/52/48							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.77×2	0.74×2	0.71×2	11.6	11.2	10.7	-	-
	INPUT POWER		W	100×2	100×2	100×2	2.400k	2.400k	2.400k	-	-
			TOTAL W	-			2.600k	2.600k	2.600k	900	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3684	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26				-		/	/
			Power Level dB	56/52/48				-			
	NOISE OUTDOOR (H/L)		dB-A	-				52/-		/	/
			Power Level dB	-				69/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.00×2/125×2	0.96×2/125×2	0.92×2/125×2	25.0/5.350k	25.0/5.550k	25.0/5.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	11.6/3.0k	11.2/3.0k	10.7/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×2		(565)×2					
	HEAT		m^3/min (ft^3/min)	16×2		(565)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1014			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		28 (62)			98			/	
		(GROSS) kg(lb)		35 (78)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-50PF1E5×3 / U-140PE1E5

INDOOR		MODEL	S-50PF1E5×3								
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.77×3	0.74×3	0.71×3	20.1	19.3	18.6	-	-	
	INPUT POWER	W	100×3	100×3	100×3	4.085k	4.085k	4.085k	-	-	
		TOTAL W	-			4.385k	4.385k	4.385k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2192.5	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.19	3.19 / A	3.19	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	93	92	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	34/30/26								
		Power Level dB	56/52/48								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	0.77×3	0.74×3	0.71×3	19.9	19.1	18.4	-	-	
	INPUT POWER	W	100×3	100×3	100×3	4.215k	4.215k	4.215k	-	-	
		TOTAL W	-			4.515k	4.515k	4.515k	900	5.900k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.54	3.54 / A	3.54	4.56	3.05	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	34/30/26			-			/	/	
		Power Level dB	56/52/48			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			1.00×3/125×3	0.96×3/125×3	0.92×3/125×3	30.0/6.450k	30.0/6.650k	30.0/6.850k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	20.1/3.0k	19.3/3.0k	18.6/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120			90x2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0	(3.0×3)	(18.9)	-					
External static pressure		Pa	70 (MIN10 - MAX150)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	16×3	(565)×3							
	HEAT	m^3/min (ft^3/min)	16×3	(565)×3							
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135	(4767)				
	HEAT	m^3/min (ft^3/min)				120	(4238)				
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)		/	
PROM	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)				/	
	WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)				/	
	DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)				/	
PAC	HEIGHT : H mm		355			1556				/	
	WIDTH : W mm		1014			1055				/	
	DEPTH : D mm		850			485				/	
MASS	(NET) kg(lb)		28 (62)			98				/	
	(GROSS) kg(lb)		35 (78)			108				/	
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-60PF1E5 / U-60PE1E5

INDOOR			MODEL	S-60PF1E5							
OUTDOOR			MODEL				U-60PE1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	6.00	6.00	6.00				2.5	7.1
			BTU/h	20500	20500	20500				8500	24200
	CURRENT		A	0.91	0.89	0.87	7.70	7.40	7.10	-	-
	INPUT POWER		W	120	120	120	1.420k	1.420k	1.420k	-	-
			TOTAL W	-			1.540k	1.540k	1.540k	530	2.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	770	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.90 / A	3.90 / A	3.90 / A	4.72	3.55
	Erp ※6	Pdsign	kW	-	-	-	-	6.0	-		
		SEER	(W/W)	-	-	-	-	6.4	-		
		Annual consumption	kWh	-	-	-	-	328	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	91	90	90	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26			-				
			Power Level dB	57/54/48			-				
	NOISE OUTDOOR (H/L)		dB-A				48				
			Power Level dB				65				
HEATING	CAPACITY		kW	7.00	7.00	7.00				2.0	8.0
			BTU/h	23900	23900	23900				6800	27300
	CURRENT		A	0.91	0.89	0.87	8.70	8.40	8.10	-	-
	INPUT POWER		W	120	120	120	1.690k	1.690k	1.690k	-	-
			TOTAL W	-			1.810k	1.810k	1.810k	480	2.480k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.87 / A	3.87 / A	3.87 / A	4.17	3.23
	Erp ※6	Pdsign	kW	-	-	-	-	6.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.9	-		
		Annual consumption	kWh	-	-	-	-	2154	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	95	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26			-			/	/
			Power Level dB	57/54/48			-				
	NOISE OUTDOOR (H/L)		dB-A	-			50			/	/
			Power Level dB	-			67				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.26/160	1.20/160	1.15/160	18.0/3.800k	18.0/3.930k	18.0/4.060k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	8.70/1.700k	8.40/1.700k	8.10/1.700k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	3.4		(7.1)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21		(742)					
	HEAT		m^3/min (ft^3/min)	21		(742)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.00k	(70.5)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			996 (39-7/32)			/	
		WIDTH : W mm(inch)		1000 (39-3/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1136			/	
		WIDTH : W mm		1214			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		33 (73)			68 (150)			/	
		(GROSS) kg(lb)		41 (91)			76 (168)			/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50			(537.6)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30			(98.4)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-60PF1E5×2 / U-125PE1E5

INDOOR			MODEL	S-60PF1E5×2							
OUTDOOR			MODEL				U-125PE1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.91×2	0.89×2	0.87×2	16.6	15.9	15.3	-	-
	INPUT POWER		W	120×2	120×2	120×2	3.355k	3.355k	3.355k	-	-
			TOTAL W	-			3.595k	3.595k	3.595k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1797.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.48	3.48 / A	3.48	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	92	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26							
			Power Level dB	57/54/48							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.91×2	0.89×2	0.87×2	16.3	15.8	15.1	-	-
	INPUT POWER		W	120×2	120×2	120×2	3.270k	3.270k	3.270k	-	-
			TOTAL W	-			3.510k	3.510k	3.510k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.99	3.99 / A	3.99	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	91	90	90	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26			-			/	/
			Power Level dB	57/54/48			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.26×2/160×2	1.20×2/160×2	1.15×2/160×2	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	16.6/3.0k	15.9/3.0k	15.3/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21×2		(742)×2					
	HEAT		m^3/min (ft^3/min)	21×2		(742)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1000 (39-3/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1214			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		33 (73)			98			/	
		(GROSS) kg(lb)		41 (91)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-71PF1E5 / U-71PE1E5

INDOOR			MODEL	S-71PF1E5							
OUTDOOR			MODEL				U-71PE1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	7.10	7.10	7.10				2.5	8.0
			BTU/h	24200	24200	24200				8500	27300
	CURRENT		A	0.91	0.89	0.87	8.90	8.60	8.30	-	-
	INPUT POWER		W	120	120	120	1.730k	1.730k	1.730k	-	-
			TOTAL W	-			1.850k	1.850k	1.850k	530	2.650k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	925	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.84 / A	3.84 / A	3.84 / A	4.72	3.02
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	6.4	-		
		Annual consumption	kWh	-	-	-	-	388	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26				-			
			Power Level dB	57/54/48				-			
	NOISE OUTDOOR (H/L)		dB-A				48				
			Power Level dB				65				
HEATING	CAPACITY		kW	8.00	8.00	8.00				2.0	9.0
			BTU/h	27300	27300	27300				6800	30700
	CURRENT		A	0.91	0.89	0.87	9.90	9.50	9.20	-	-
	INPUT POWER		W	120	120	120	1.960k	1.960k	1.960k	-	-
			TOTAL W	-			2.080k	2.080k	2.080k	480	2.900k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.85 / A	3.85 / A	3.85 / A	4.17	3.10
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	4.0	-		
		Annual consumption	kWh	-	-	-	-	2485	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	96	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26				-		/	/
			Power Level dB	57/54/48				-			
	NOISE OUTDOOR (H/L)		dB-A	-				50		/	/
			Power Level dB	-				67			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.26/160	1.20/160	1.15/160	18.0/3.800k	18.0/3.930k	18.0/4.060k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	9.90/2.000k	9.50/2.000k	9.20/2.000k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2		(8.8)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21		(742)					
	HEAT		m^3/min (ft^3/min)	21		(742)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			996 (39-7/32)			/	
		WIDTH : W mm(inch)		1000 (39-3/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1136			/	
		WIDTH : W mm		1214			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		33 (73)			69 (153)			/	
		(GROSS) kg(lb)		41 (91)			77 (170)			/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-71PF1E5×2 / U-140PE1E5

INDOOR			MODEL	S-71PF1E5×2							
OUTDOOR			MODEL				U-140PE1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.91×2	0.89×2	0.87×2	20.1	19.3	18.6	-	-
	INPUT POWER		W	120×2	120×2	120×2	4.085k	4.085k	4.085k	-	-
			TOTAL W	-			4.325k	4.325k	4.325k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2162.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.24	3.24 / A	3.24	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	93	92	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26							
			Power Level dB	57/54/48							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.91×2	0.89×2	0.87×2	19.9	19.1	18.4	-	-
	INPUT POWER		W	120×2	120×2	120×2	4.215k	4.215k	4.215k	-	-
			TOTAL W	-			4.455k	4.455k	4.455k	900	5.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.59	3.59 / A	3.59	4.56	3.05
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26			-			/	/
			Power Level dB	57/54/48			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			/	/
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.26×2/160×2	1.20×2/160×2	1.15×2/160×2	30.0/6.450k	30.0/6.650k	30.0/6.850k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	20.1/3.0k	19.3/3.0k	18.6/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21×2		(742)×2					
	HEAT		m^3/min (ft^3/min)	21×2		(742)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1000 (39-3/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1214			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		33 (73)			98			/	
		(GROSS) kg(lb)		41 (91)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-100PF1E5 / U-100PE1E5

INDOOR			MODEL	S-100PF1E5							
OUTDOOR			MODEL				U-100PE1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	1.35	1.30	1.27	11.0	10.6	10.3	-	-
	INPUT POWER		W	195	195	195	2.245k	2.245k	2.245k	-	-
			TOTAL W	-			2.440k	2.440k	2.440k	840	3.700k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1220	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	4.10	4.10 / A	4.10	3.93	3.38
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.8	-		
		Annual consumption	kWh	-	-	-	-	603	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	93	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	38/34/31				-			
			Power Level dB	60/56/53				-			
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	1.37	1.34	1.29	11.6	11.2	10.7	-	-
	INPUT POWER		W	200	200	200	2.400k	2.400k	2.400k	-	-
			TOTAL W	-			2.600k	2.600k	2.600k	900	4.400k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3684	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	38/34/31				-		/	/
			Power Level dB	60/56/53				-			
	NOISE OUTDOOR (H/L)		dB-A	-			52/-			/	/
			Power Level dB	-			69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.80/265	1.75/265	1.70/265	25.0/5.350k	25.0/5.550k	25.0/5.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	11.6/3.0k	11.2/3.0k	10.7/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0		(12.6)	-				
External static pressure			Pa	100 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	32		(1130)					
	HEAT		m^3/min (ft^3/min)	32		(1130)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1400 (55-1/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1614			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		45			98			/	
		(GROSS) kg(lb)		54			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-125PF1E5 / U-125PE1E5

INDOOR			MODEL	S-125PF1E5							
OUTDOOR			MODEL				U-125PE1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	1.48	1.44	1.39	16.6	15.9	15.3	-	-
	INPUT POWER		W	215	215	215	3.355k	3.355k	3.355k	-	-
			TOTAL W	-			3.570k	3.570k	3.570k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1785	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.50	3.50 / A	3.50	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	92	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	39/35/32			-				
			Power Level dB	61/57/54			-				
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.46	1.42	1.38	16.3	15.8	15.1	-	-
	INPUT POWER		W	210	210	210	3.270k	3.270k	3.270k	-	-
			TOTAL W	-			3.480k	3.480k	3.480k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.02	4.02 / A	4.02	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	91	90	90	-	-
	NOISE INDOOR (H/M/L)		dB-A	39/35/32			-			/	/
			Power Level dB	61/57/54			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.80/265	1.75/265	1.70/265	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	16.6/3.0k	15.9/3.0k	15.3/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9		(16.6)	-				
External static pressure			Pa	100 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	34		(1201)					
	HEAT		m^3/min (ft^3/min)	34		(1201)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1400 (55-1/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1614			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		45			98			/	
		(GROSS) kg(lb)		54			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-140PF1E5 / U-140PE1E5

INDOOR			MODEL	S-140PF1E5							
OUTDOOR			MODEL				U-140PE1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.55	1.50	1.47	20.1	19.3	18.6	-	-
	INPUT POWER		W	225	225	225	4.085k	4.085k	4.085k	-	-
			TOTAL W	-			4.310k	4.310k	4.310k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2155	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.25	3.25 / A	3.25	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	93	92	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/36/33			-				
			Power Level dB	62/58/55			-				
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	1.55	1.50	1.46	19.9	19.1	18.4	-	-
	INPUT POWER		W	225	225	225	4.215k	4.215k	4.215k	-	-
			TOTAL W	-			4.440k	4.440k	4.440k	900	5.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	4.56	3.05
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/36/33			-			/	/
			Power Level dB	62/58/55			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			/	/
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.91/285	1.86/285	1.81/285	30.0/6.450k	30.0/6.650k	30.0/6.850k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	20.1/3.0k	19.3/3.0k	18.6/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0		(18.9)	-				
External static pressure			Pa	100 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	36		(1271)					
	HEAT		m^3/min (ft^3/min)	36		(1271)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1400 (55-1/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1614			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		45			98			/	
		(GROSS) kg(lb)		54			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-36PF1E5×2 / U-71PE1E8

INDOOR			MODEL	S-36PF1E5×2							
OUTDOOR			MODEL				U-71PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	7.10	7.10	7.10				3.2	8.0
			BTU/h	24200	24200	24200				10900	27300
	CURRENT		A	0.60×2	0.57×2	0.56×2	2.75	2.65	2.60	-	-
	INPUT POWER		W	70×2	70×2	70×2	1.730k	1.730k	1.730k	-	-
			TOTAL W	-			1.870k	1.870k	1.870k	640	2.650k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	935	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	5.00	3.02
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	5.8	-		
		Annual consumption	kWh	-	-	-	-	428	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	96	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25							
			Power Level dB	55/51/47							
	NOISE OUTDOOR (H/L)		dB-A				48/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	8.0	8.0	8.0				2.8	9.0
			BTU/h	27300	27300	27300				9600	30700
	CURRENT		A	0.60×2	0.57×2	0.56×2	3.10	3.00	2.90	-	-
	INPUT POWER		W	70×2	70×2	70×2	1.960k	1.960k	1.960k	-	-
			TOTAL W	-			2.100k	2.100k	2.100k	580	2.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.81	3.81 / A	3.81	4.83	3.10
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	3.9	-		
		Annual consumption	kWh	-	-	-	-	2548	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	96	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25			-			/	/
			Power Level dB	55/51/47			-				
	NOISE OUTDOOR (H/L)		dB-A	-			50/-			/	/
			Power Level dB	-			67/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.86×2/105×2	0.82×2/105×2	0.79×2/105×2	7.0/4.150k	7.0/4.360k	7.0/4.530k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	3.10/2.0k	3.00/2.0k	2.90/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×2		(494)×2					
	HEAT		m^3/min (ft^3/min)	14×2		(494)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			996 (39-7/32)			/	
		WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1136			/	
		WIDTH : W mm		1014			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		28 (62)			71 (157)			/	
		(GROSS) kg(lb)		35 (78)			79 (175)			/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-36PF1E5×3 / U-100PE1E8

INDOOR			MODEL	S-36PF1E5×3							
OUTDOOR			MODEL				U-100PE1E8				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.6×3	0.57×3	0.56×3	3.68	3.53	3.43	-	-
	INPUT POWER		W	70×3	70×3	70×3	2.245k	2.245k	2.245k	-	-
			TOTAL W	-			2.455k	2.455k	2.455k	840	3.700k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1227.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.07	4.07 / A	4.07	3.93	3.38
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.7	-		
		Annual consumption	kWh	-	-	-	-	614	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	93	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25							
			Power Level dB	55/51/47							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.6×3	0.57×3	0.56×3	3.86	3.70	3.58	-	-
	INPUT POWER		W	70×3	70×3	70×3	2.400k	2.400k	2.400k	-	-
			TOTAL W	-			2.610k	2.610k	2.610k	900	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.29	4.29 / A	4.29	4.56	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3684	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25				-		/	/
			Power Level dB	55/51/47				-			
	NOISE OUTDOOR (H/L)		dB-A	-				52/-		/	/
			Power Level dB	-				69/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.86×3/105×3	0.82×3/105×3	0.79×3/105×3	9.0/5.550k	9.0/5.850k	9.0/6.100k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	3.86/3.0k	3.70/3.0k	3.58/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(2.0×3)	(12.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×3		(494)×3					
	HEAT		m^3/min (ft^3/min)	14×3		(494)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1014			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		28 (62)			98			/	
		(GROSS) kg(lb)		35 (78)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-36PF1E5×4 / U-125PE1E8

INDOOR			MODEL	S-36PF1E5×4							
OUTDOOR			MODEL				U-125PE1E8				
Branch pipe			MODEL	CZ-P155BK1×3							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.6×4	0.57×4	0.56×4	5.52	5.29	5.12	-	-
	INPUT POWER		W	70×4	70×4	70×4	3.355k	3.355k	3.355k	-	-
			TOTAL W	-			3.635k	3.635k	3.635k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1817.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.44	3.44 / A	3.44	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	92	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25							
			Power Level dB	55/51/47							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.6×4	0.57×4	0.56×4	5.44	5.26	5.05	-	-
	INPUT POWER		W	70×4	70×4	70×4	3.270k	3.270k	3.270k	-	-
			TOTAL W	-			3.550k	3.550k	3.550k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.94	3.94 / A	3.94	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	91	90	90	-	-
	NOISE INDOOR (H/M/L)		dB-A	33/29/25			-			/	/
			Power Level dB	55/51/47			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.86×4/105×4	0.82×4/105×4	0.79×4/105×4	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.52/3.0k	5.29/3.0k	5.12/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(1.98×4)	(16.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×4		(494)×4					
	HEAT		m^3/min (ft^3/min)	14×4		(494)×4					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1014			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		28 (62)			98			/	
		(GROSS) kg(lb)		35 (78)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-45PF1E5×3 / U-125PE1E8

INDOOR		MODEL	S-45PF1E5×3								
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.60×3	0.57×3	0.56×3	5.52	5.29	5.12	-	-	
	INPUT POWER	W	70×3	70×3	70×3	3.360k	3.360k	3.360k	-	-	
		TOTAL W	-			3.570k	3.570k	3.570k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1785	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.50	3.50 / A	3.50	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	92	92	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	34/30/26								
		Power Level dB	56/52/48								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.60×3	0.57×3	0.56×3	5.44	5.26	5.05	-	-	
	INPUT POWER	W	70×3	70×3	70×3	3.270k	3.270k	3.270k	-	-	
		TOTAL W	-			3.480k	3.480k	3.480k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	4.02	4.02 / A	4.02	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	91	90	90	-	-	
	NOISE INDOOR (H/M/L)	dB-A	34/30/26			-			/	/	
		Power Level dB	56/52/48			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.86×3/105×3	0.82×3/105×3	0.79×3/105×3	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.52/3.0k	5.29/3.0k	5.12/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120			90x2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(2.63×3)	(16.6)	-					
External static pressure		Pa	70 (MIN10 - MAX150)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14×3	(494)×3							
	HEAT	m^3/min (ft^3/min)	14×3	(494)×3							
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130	(4591)				
	HEAT	m^3/min (ft^3/min)				110	(3885)				
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)		/	
PROM D	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)				/	
PROM I	WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)				/	
PROM M	DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)				/	
PAC D	HEIGHT : H mm		355			1556				/	
PAC I	WIDTH : W mm		1014			1055				/	
PAC M	DEPTH : D mm		850			485				/	
MASS	(NET) kg(lb)		28 (62)			98				/	
	(GROSS) kg(lb)		35 (78)			108				/	
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-50PF1E5×2 / U-100PE1E8

INDOOR			MODEL	S-50PF1E5×2							
OUTDOOR			MODEL				U-100PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.77×2	0.74×2	0.71×2	3.68	3.53	3.43	-	-
	INPUT POWER		W	100×2	100×2	100×2	2.245k	2.245k	2.245k	-	-
			TOTAL W	-			2.445k	2.445k	2.445k	840	3.700k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1222.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.09	4.09 / A	4.09	3.93	3.38
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.7	-		
		Annual consumption	kWh	-	-	-	-	614	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	93	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26							
			Power Level dB	56/52/48							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.77×2	0.74×2	0.71×2	3.86	3.70	3.58	-	-
	INPUT POWER		W	100×2	100×2	100×2	2.400k	2.400k	2.400k	-	-
			TOTAL W	-			2.600k	2.600k	2.600k	900	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3684	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26				-		/	/
			Power Level dB	56/52/48				-			
	NOISE OUTDOOR (H/L)		dB-A	-				52/-		/	/
			Power Level dB	-				69/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.00×2/125×2	0.96×2/125×2	0.92×2/125×2	9.0/5.550k	9.0/5.850k	9.0/6.100k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	3.86/3.0k	3.70/3.0k	3.58/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×2		(565)×2					
	HEAT		m^3/min (ft^3/min)	16×2		(565)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1014			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		28 (62)			98			/	
		(GROSS) kg(lb)		35 (78)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-50PF1E5×3 / U-140PE1E8

INDOOR			MODEL	S-50PF1E5×							
OUTDOOR			MODEL				U-140PE1E8				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.77×3	0.74×3	0.71×3	6.69	6.42	6.18	-	-
	INPUT POWER		W	100×3	100×3	100×3	4.085k	4.085k	4.085k	-	-
			TOTAL W	-			4.385k	4.385k	4.385k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2192.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.19	3.19 / B	3.19	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	93	92	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26							
			Power Level dB	56/52/48							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.77×3	0.74×3	0.71×3	6.64	6.35	6.15	-	-
	INPUT POWER		W	100×3	100×3	100×3	4.215k	4.215k	4.215k	-	-
			TOTAL W	-			4.515k	4.515k	4.515k	900	5.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.54	3.54 / B	3.54	4.56	3.05
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26			-			/	/
			Power Level dB	56/52/48			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			/	/
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.00×3/125×3	0.96×3/125×3	0.92×3/125×3	11.0/6.800k	11.0/7.150k	11.0/7.450k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.69/3.0k	6.42/3.0k	6.18/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(3.0×3)	(18.9)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×3		(565)×3					
	HEAT		m^3/min (ft^3/min)	16×3		(565)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		800 (31-1/2)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1014			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		28 (62)			98			/	
		(GROSS) kg(lb)		35 (78)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-60PF1E5×2 / U-125PE1E8

INDOOR		MODEL	S-60PF1E5×2								
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.91×2	0.89×2	0.87×2	5.52	5.29	5.12	-	-	
	INPUT POWER	W	120×2	120×2	120×2	3.355k	3.355k	3.355k	-	-	
		TOTAL W	-			3.595k	3.595k	3.595k	840	4.600k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1797.5	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.48	3.48 / A	3.48	3.93	3.04	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	92	92	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/32/26								
		Power Level dB	57/54/48								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.91×2	0.89×2	0.87×2	5.44	5.26	5.05	-	-	
	INPUT POWER	W	120×2	120×2	120×2	3.270k	3.270k	3.270k	-	-	
		TOTAL W	-			3.510k	3.510k	3.510k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.99	3.99 / A	3.99	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	91	90	90	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/32/26			-			/	/	
		Power Level dB	57/54/48			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			1.26×2/160×2	1.20×2/160×2	1.15×2/160×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.52/3.0k	5.29/3.0k	5.12/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120			90x2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-					
External static pressure		Pa	70 (MIN10 - MAX150)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	21×2		(742)×2						
	HEAT	m^3/min (ft^3/min)	21×2		(742)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PROM	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		1000 (39-3/8)			940 (37-1/32)			/		
	DEPT : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/		
PAC	HEIGHT : H mm		355			1556			/		
	WIDTH : W mm		1214			1055			/		
	DEPT : D mm		850			485			/		
MASS	(NET) kg(lb)		33 (73)			98			/		
	(GROSS) kg(lb)		41 (91)			108			/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-71PF1E5 / U-71PE1E8

INDOOR			MODEL	S-71PF1E5							
OUTDOOR			MODEL				U-71PE1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	7.10	7.10	7.10				3.2	8.0
			BTU/h	24200	24200	24200				10900	27300
	CURRENT		A	0.91	0.89	0.87	2.75	2.65	2.60	-	-
	INPUT POWER		W	120	120	120	1.730k	1.730k	1.730k	-	-
			TOTAL W	-			1.850k	1.850k	1.850k	640	2.650k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	925	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.84 / A	3.84 / A	3.84 / A	5.00	3.02
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	6.0	-		
		Annual consumption	kWh	-	-	-	-	414	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	96	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26				-			
			Power Level dB	57/54/48				-			
	NOISE OUTDOOR (H/L)		dB-A				48/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	8.00	8.00	8.00				2.8	9.0
			BTU/h	27300	27300	27300				9600	30700
	CURRENT		A	0.91	0.89	0.87	3.10	3.00	2.90	-	-
	INPUT POWER		W	120	120	120	1.960k	1.960k	1.960k	-	-
			TOTAL W	-			2.080k	2.080k	2.080k	580	2.900k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.85 / A	3.85 / A	3.85 / A	4.83	3.10
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		Tbivalen	°C	-	-	-	-	-9	-		
		SCOP	(W/W)	-	-	-	-	3.9	-		
		Annual consumption	kWh	-	-	-	-	2548	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	96	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26				-		/	/
			Power Level dB	57/54/48				-			
	NOISE OUTDOOR (H/L)		dB-A	-				50/-		/	/
			Power Level dB	-				67/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.26/160	1.20/160	1.15/160	7.0/4.150k	7.0/4.360k	7.0/4.530k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	3.10/2.0k	3.00/2.0k	2.90/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2		(8.8)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21		(742)					
	HEAT		m^3/min (ft^3/min)	21		(742)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			996 (39-7/32)			/	
		WIDTH : W mm(inch)		1000 (39-3/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1136			/	
		WIDTH : W mm		1214			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		33 (73)			71 (157)			/	
		(GROSS) kg(lb)		41 (91)			79 (175)			/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-71PF1E5×2 / U-140PE1E8

INDOOR			MODEL	S-71PF1E5×2							
OUTDOOR			MODEL				U-140PE1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.91×2	0.89×2	0.87×2	6.69	6.42	6.18	-	-
	INPUT POWER		W	120×2	120×2	120×2	4.085k	4.085k	4.085k	-	-
			TOTAL W	-			4.325k	4.325k	4.325k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2162.5	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.24	3.24 / A	3.24	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	93	92	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26							
			Power Level dB	57/54/48							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.91×2	0.89×2	0.87×2	6.64	6.35	6.15	-	-
	INPUT POWER		W	120×2	120×2	120×2	4.215k	4.215k	4.215k	-	-
			TOTAL W	-			4.455k	4.455k	4.455k	900	5.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.59	3.59 / A	3.59	4.56	3.05
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26			-			/	/
			Power Level dB	57/54/48			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			/	/
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.26×2/160×2	1.20×2/160×2	1.15×2/160×2	11.0/6.800k	11.0/7.150k	11.0/7.450k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.69/3.0k	6.42/3.0k	6.18/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90x2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21×2		(742)×2					
	HEAT		m^3/min (ft^3/min)	21×2		(742)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1000 (39-3/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1214			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		33 (73)			98			/	
		(GROSS) kg(lb)		41 (91)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-100PF1E5 / U-100PE1E8

INDOOR			MODEL	S-100PF1E5							
OUTDOOR			MODEL				U-100PE1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	1.35	1.30	1.27	3.68	3.53	3.43	-	-
	INPUT POWER		W	195	195	195	2.245k	2.245k	2.245k	-	-
			TOTAL W	-			2.440k	2.440k	2.440k	840	3.700k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1220	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.10	4.10 / A	4.10	3.93	3.38
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.7	-		
		Annual consumption	kWh	-	-	-	-	614	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	93	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	38/34/31				-			
			Power Level dB	60/56/53				-			
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.2	11.2	11.2				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	1.37	1.34	1.29	3.86	3.70	3.58	-	-
	INPUT POWER		W	200	200	200	2.400k	2.400k	2.400k	-	-
			TOTAL W	-			2.600k	2.600k	2.600k	900	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.31	4.31 / A	4.31	4.56	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3684	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	38/34/31				-		/	/
			Power Level dB	60/56/53				-			
	NOISE OUTDOOR (H/L)		dB-A	-				52/-		/	/
			Power Level dB	-				69/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			(Q8.8kW/W4.200kW/COP2.10)							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.80/265	1.75/265	1.70/265	9.0/5.550k	9.0/5.850k	9.0/6.100k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	3.86/3.0k	3.70/3.0k	3.58/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0		(12.6)	-				
External static pressure			Pa	100 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	32		(1130)					
	HEAT		m^3/min (ft^3/min)	32		(1130)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1400 (55-1/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1614			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		45 (99)			98			/	
		(GROSS) kg(lb)		54 (119)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-125PF1E5 / U-125PE1E8

INDOOR			MODEL	S-125PF1E5							
OUTDOOR			MODEL				U-125PE1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	1.48	1.44	1.39	5.52	5.29	5.12	-	-
	INPUT POWER		W	215	215	215	3.355k	3.355k	3.355k	-	-
			TOTAL W	-			3.570k	3.570k	3.570k	840	4.600k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1785	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.50	3.50 / A	3.50	3.93	3.04
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	92	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	39/35/32			-				
			Power Level dB	61/57/54			-				
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.46	1.42	1.38	5.44	5.26	5.05	-	-
	INPUT POWER		W	210	210	210	3.270k	3.270k	3.270k	-	-
			TOTAL W	-			3.480k	3.480k	3.480k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	4.02	4.02 / A	4.02	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	91	90	90	-	-
	NOISE INDOOR (H/M/L)		dB-A	39/35/32			-			/	/
			Power Level dB	61/57/54			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			(Q10.5kW/W5.200kW/COP2.02)							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.80/265	1.75/265	1.70/265	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.52/3.0k	5.29/3.0k	5.12/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9		(16.6)	-				
External static pressure			Pa	100 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	34		(1201)					
	HEAT		m^3/min (ft^3/min)	34		(1201)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1400 (55-1/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1614			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		45 (99)			98			/	
		(GROSS) kg(lb)		54 (119)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

6. Low Silhouette Ducted Type S-140PF1E5 / U-140PE1E8

INDOOR			MODEL	S-140PF1E5							
OUTDOOR			MODEL				U-140PE1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.55	1.50	1.47	6.69	6.42	6.18	-	-
	INPUT POWER		W	225	225	225	4.085k	4.085k	4.085k	-	-
			TOTAL W	-			4.310k	4.310k	4.310k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2155	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.25	3.25 / A	3.25	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	93	92	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/36/33			-				
			Power Level dB	62/58/55			-				
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.0	16.0	16.0				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	1.55	1.50	1.46	6.64	6.35	6.15	-	-
	INPUT POWER		W	225	225	225	4.215k	4.215k	4.215k	-	-
			TOTAL W	-			4.440k	4.440k	4.440k	900	5.900k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	4.56	3.05
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/36/33			-			/	/
			Power Level dB	62/58/55			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			/	/
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			(Q11.5kW/W5.800kW/COP1.98)							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.91/285	1.86/285	1.81/285	11.0/6.800k	11.0/7.150k	11.0/7.450k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.69/3.0k	6.42/3.0k	6.18/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0		(18.9)	-				
External static pressure			Pa	100 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	36		(1271)					
	HEAT		m^3/min (ft^3/min)	36		(1271)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		290 (11-13/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1400 (55-1/8)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		700 (27-9/16)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		355			1556			/	
		WIDTH : W mm		1614			1055			/	
		DEPTH : D mm		850			485			/	
MASS		(NET) kg(lb)		45 (99)			98			/	
		(GROSS) kg(lb)		54 (119)			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-36PN1E5×2 / U-71PE1E5

INDOOR		MODEL	S-36PN1E5×2								
OUTDOOR		MODEL				U-71PE1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.42×2	0.43×2	0.44×2	9.7	9.4	9.2	-	-	
	INPUT POWER	W	90×2	95×2	100×2	2.010k	2.010k	2.010k	-	-	
		TOTAL W	-			2.190k	2.200k	2.210k	550	2.750k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1100k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.24	3.23 / A	3.21	4.55	2.91	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	452	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	93	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35								
		Power Level dB	57/55/52								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.0	8.0	8.0				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.42×2	0.43×2	0.44×2	10.2	9.9	9.7	-	-	
	INPUT POWER	W	90×2	95×2	100×2	2.120k	2.120k	2.120k	-	-	
		TOTAL W	-			2.300k	2.310k	2.320k	500	2.920k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.48	3.46 / B	3.45	4.00	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	6.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.7	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2458	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	93	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35			-			/	/	
		Power Level dB	57/55/52			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.60×2/130×2	0.62×2/140×2	0.63×2/150×2	18.0/3.80k	18.0/3.930k	18.0/4.060k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	10.2/2.0k	9.9/2.0k	9.7/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14×2		(565)×2						
	HEAT	m^3/min (ft^3/min)	14×2		(565)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)	/		
PROM D	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)			/		
PROM I	WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/		
PROM M	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		345			1136			/		
PAC I	WIDTH : W mm		1007			1055			/		
PAC M	DEPTH : D mm		777			485			/		
MASS	(NET) kg(lb)		29			69			/		
	(GROSS) kg(lb)		34			77			/		
LAYERS LIMIT (actually)			8 (9)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-36PN1E5×3 / U-100PE1E5

INDOOR			MODEL	S-36PN1E5×3							
OUTDOOR			MODEL				U-100PE1E5				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.42×3	0.43×3	0.44×3	11.6	11.2	10.9	-	-
	INPUT POWER		W	90×3	95×3	100×3	2.465k	2.465k	2.465k	-	-
			TOTAL W	-			2.735k	2.750k	2.765k	870	3.800k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1375k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.66	3.64 / A	3.62	3.79	3.29
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.0	-		
		Annual consumption	kWh	-	-	-	-	583	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	97	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35							
			Power Level dB	57/55/52							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.20	11.20	11.20				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.42×3	0.43×3	0.44×3	12.8	12.5	12.2	-	-
	INPUT POWER		W	90×3	95×3	100×3	2.745k	2.745k	2.745k	-	-
			TOTAL W	-			3.015k	3.030k	3.045k	980	4.500k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.71	3.70 / A	3.68	4.18	3.11
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.9	-		
		Annual consumption	kWh	-	-	-	-	3590	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	97	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/38/35			-			/	/
			Power Level dB	57/55/52			-				
	NOISE OUTDOOR (H/L)		dB-A	-			52/-			/	/
			Power Level dB	-			69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.60×3/130×3	0.62×3/140×3	0.63×3/150×3	25.0/5.350k	25.0/5.550k	25.0/5.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	12.8/3.0k	12.5/3.0k	12.2/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×3			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(2.0×3)	(12.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×3		(565)×3					
	HEAT		m^3/min (ft^3/min)	14×3		(565)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		345			1556			/	
		WIDTH : W mm		1007			1055			/	
		DEPTH : D mm		777			485			/	
MASS		(NET) kg(lb)		29			98			/	
		(GROSS) kg(lb)		34			108			/	
LAYERS LIMIT (actually)				8 (9)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-36PN1E5×4 / U-125PE1E5

INDOOR		MODEL	S-36PN1E5×4								
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	CZ-P155BK1×3								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.42×4	0.43×4	0.44×4	17.4	16.9	16.4	-	-	
	INPUT POWER	W	90×4	95×4	100×4	3.665k	3.665k	3.665k	-	-	
		TOTAL W	-			4.025k	4.045k	4.065k	1000	4.800k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2025k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.11	3.09 / B	3.08	3.30	2.92	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35								
		Power Level dB	57/55/52								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.00	14.00	14.00				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.42×4	0.43×4	0.44×4	17.3	16.8	16.3	-	-	
	INPUT POWER	W	90×4	95×4	100×4	3.655k	3.655k	3.655k	-	-	
		TOTAL W	-			4.015k	4.035k	4.055k	1050	5.400k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.49	3.47 / B	3.45	3.90	2.96	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	95	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35			-			/	/	
		Power Level dB	57/55/52			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.60×4/130×4	0.62×4/140×4	0.63×4/150×4	28.0/6.000k	28.0/6.200k	28.0/6.400k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.4/3.0k	16.9/3.0k	16.4/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60×4			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(1.98×4)	(16.6)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14×4		(565)×4						
	HEAT	m^3/min (ft^3/min)	14×4		(565)×4						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PROM	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC	HEIGHT : H mm		345			1556			/		
	WIDTH : W mm		1007			1055			/		
	DEPTH : D mm		777			485			/		
MASS	(NET) kg(lb)		29			98			/		
	(GROSS) kg(lb)		34			108			/		
LAYERS LIMIT (actually)			8 (9)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-45PN1E5×3 / U-125PE1E5

INDOOR			MODEL	S-45PN1E5×3							
OUTDOOR			MODEL				U-125PE1E5				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.54×3	0.55×3	0.56×3	17.4	16.9	16.4	-	-
	INPUT POWER		W	115×3	120×3	125×3	3.665k	3.665k	3.665k	-	-
			TOTAL W	-			4.010k	4.025k	4.040k	1000	4.800k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2015k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.12	3.11 / B	3.09	3.30	2.92
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.54×3	0.55×3	0.56×3	17.3	16.8	16.3	-	-
	INPUT POWER		W	115×3	120×3	125×3	3.655k	3.655k	3.655k	-	-
			TOTAL W	-			4.000k	4.015k	4.030k	1050	5.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.50	3.49 / B	3.47	3.90	2.96
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	95	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35			-			/	/
			Power Level dB	58/56/52			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.74×3/165×3	0.76×3/180×3	0.78×3/190×3	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	17.4/3.0k	16.9/3.0k	16.4/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×3			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(2.63×3)	(16.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×3		(565)×3					
	HEAT		m^3/min (ft^3/min)	16×3		(565)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		345			1556			/	
		WIDTH : W mm		1007			1055			/	
		DEPTH : D mm		777			485			/	
MASS		(NET) kg(lb)		29			98			/	
		(GROSS) kg(lb)		34			108			/	
LAYERS LIMIT (actually)				8 (9)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-50PN1E5 / U-50PE1E5

INDOOR		MODEL	S-50PN1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-50PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	5.0	5.0	5.0				1.5	5.6	
		BTU/h	17100	17100	17100				5100	19100	
	CURRENT	A	0.54	0.55	0.56	7.10	6.80	6.60	-	-	
	INPUT POWER	W	115	120	125	1.440k	1.440k	1.440k	-	-	
		TOTAL W	-			1.555k	1.560k	1.565k	260	2.310k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			777.5	780	782.5	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.22	3.21 / A	3.19	5.77	2.42	
	Erp ※6 Pdsign	kW	-	-	-	-	5.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	4.6	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	380	-			
	Erp ※6 Class		-	-	-	-	B	-			
	POWER FACTOR	%	-	-	-	92	92	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/39/35								
		Power Level dB	58/56/52								
	NOISE OUTDOOR (H/L)	dB-A				46/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	5.6	5.6	5.6				1.5	6.3	
		BTU/h	19100	19100	19100				5100	21500	
	CURRENT	A	0.54	0.55	0.56	8.00	7.70	7.40	-	-	
	INPUT POWER	W	115	120	125	1.620k	1.620k	1.620k	-	-	
		TOTAL W	-			1.735k	1.740k	1.745k	220	2.520k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.23	3.22 / C	3.21	6.82	2.50	
	Erp ※6 Pdsign	kW	-	-	-	-	3.8	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	1400	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	92	91	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/39/35			-			/	/	
		Power Level dB	58/56/52			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.74/165	0.76/180	0.78/190	12/2.43k	12/2.52k	12/2.63k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	8.0/1.7k	7.7/1.7k	7.4/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			85			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	2.8	(5.9)		-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	16	(565)							
	HEAT	m^3/min (ft^3/min)	16	(565)							
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				30	(1067)				
	HEAT	m^3/min (ft^3/min)				35	(1225)				
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.65k	(58.2)	/		
PRO D	HEIGHT : H mm(inch)		250	9-27/32		569	22-13/32		/		
PRO I	WIDTH : W mm(inch)		780 (+100)	30-23/32 (+3-15/16)		790	31-7/64		/		
PRO M	DEPTH : D mm(inch)		650	25-19/32		285	11-7/32		/		
PAC D	HEIGHT : H mm		345			645			/		
PAC I	WIDTH : W mm		1007			921			/		
PAC M	DEPTH : D mm		777			386			/		
MASS	(NET) kg(lb)		29			42	(93)		/		
	(GROSS) kg(lb)		34			46	(101)		/		
LAYERS LIMIT (actually)			8 (9)			4 (5)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 40 (16.4 ~ 131.2)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) /30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		20 (0.215)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-50PN1E5×2 / U-100PE1E5

INDOOR			MODEL	S-50PN1E5×2							
OUTDOOR			MODEL				U-100PE1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	0.54×2	0.55×2	0.56×2	11.6	11.2	10.90	-	-
	INPUT POWER		W	115×2	120×2	125×2	2.465k	2.465k	2.465k	-	-
			TOTAL W	-			2.695k	2.705k	2.715k	870	3.800k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1355k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.71	3.70 / A	3.68	3.79	3.29
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.0	-		
		Annual consumption	kWh	-	-	-	-	583	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	97	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.20	11.20	11.20				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	0.54×2	0.55×2	0.56×2	12.8	12.5	12.2	-	-
	INPUT POWER		W	115×2	120×2	125×2	2.745k	2.745k	2.745k	-	-
			TOTAL W	-			2.975k	2.985k	2.995k	980	4.500k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.76	3.75 / A	3.74	4.18	3.11
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.9	-		
		Annual consumption	kWh	-	-	-	-	3590	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	97	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35			-			/	/
			Power Level dB	58/56/52			-				
	NOISE OUTDOOR (H/L)		dB-A	-			52/-			/	/
			Power Level dB	-			69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.74×2/165×2	0.76×2/180×2	0.78×2/190×2	25.0/5.350k	25.0/5.550k	25.0/5.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	12.8/3.0k	12.5/3.0k	12.2/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×2			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×2		(565)×2					
	HEAT		m^3/min (ft^3/min)	16×2		(565)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		345			1556			/	
		WIDTH : W mm		1007			1055			/	
		DEPTH : D mm		777			485			/	
MASS		(NET) kg(lb)		29			98			/	
		(GROSS) kg(lb)		34			108			/	
LAYERS LIMIT (actually)				8 (9)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-50PN1E5×3 / U-140PE1E5

INDOOR			MODEL	S-50PN1E5×3							
OUTDOOR			MODEL				U-140PE1E5				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.54×3	0.55×3	0.56×3	20.5	20.1	19.50	-	-
	INPUT POWER		W	115×3	120×3	125×3	4.400k	4.400k	4.400k	-	-
			TOTAL W	-			4.745k	4.760k	4.775k	1000	6.200k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2380k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.95	2.94 / C	2.93	3.30	2.50
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	98	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.00	16.00	16.00				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.54×3	0.55×3	0.56×3	20.6	20.2	19.6	-	-
	INPUT POWER		W	115×3	120×3	125×3	4.440k	4.440k	4.440k	-	-
			TOTAL W	-			4.785k	4.800k	4.815k	1050	6.100k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.34	3.33 / C	3.32	3.90	2.95
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	98	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35			-			/	/
			Power Level dB	58/56/52			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			/	/
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.74×3/165×3	0.76×3/180×3	0.78×3/190×3	30.0/6.450k	30.0/6.650k	30.0/6.850k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	20.6/3.0k	20.2/3.0k	19.6/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×3			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(3.0×3)	(18.9)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×3		(565)×3					
	HEAT		m^3/min (ft^3/min)	16×3		(565)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		345			1556			/	
		WIDTH : W mm		1007			1055			/	
		DEPTH : D mm		777			485			/	
MASS		(NET) kg(lb)		29			98			/	
		(GROSS) kg(lb)		34			108			/	
LAYERS LIMIT (actually)				8 (9)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-60PN1E5 / U-60PE1E5

INDOOR		MODEL	S-60PN1E5								
OUTDOOR		MODEL				U-60PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.5	7.1	
		BTU/h	20500	20500	20500				8500	24200	
	CURRENT	A	1.12	1.08	1.04	8.2	8.0	7.80	-	-	
	INPUT POWER	W	140	140	140	1.710k	1.710k	1.710k	-	-	
		TOTAL W	-			1.850k	1.850k	1.850k	550	2.105k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	925k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.24	3.24 / A	3.24	4.55	3.37	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	382	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	93	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36								
		Power Level dB	60/58/53								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	7.00	7.00	7.00				2.0	8.0	
		BTU/h	23900	23900	23900				6800	27300	
	CURRENT	A	1.12	1.08	1.04	8.6	8.4	8.2	-	-	
	INPUT POWER	W	140	140	140	1.800k	1.800k	1.800k	-	-	
		TOTAL W	-			1.940k	1.940k	1.940k	500	2.585k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.61	3.61 / A	3.61	4.00	3.09	
	Erp ※6 Pdsign	kW	-	-	-	-	5.6	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2061	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	93	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36			-			/	/	
		Power Level dB	60/58/53			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			1.28/0.160k	1.24/0.160k	1.20/0.160k	18.0/3.80k	18.0/3.930k	18.0/4.060k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	8.6/1.7k	8.4/1.7k	8.2/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.4		(7.1)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	22		(777)						
	HEAT	m^3/min (ft^3/min)	22		(777)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.00k	(70.5)		/	
PRO DIM	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)				/	
	WIDTH : W mm(inch)		1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)				/	
	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)				/	
PAC DIM	HEIGHT : H mm		338			1136				/	
	WIDTH : W mm		1211			1055				/	
	DEPTH : D mm		761			485				/	
MASS	(NET) kg(lb)		32			68				/	
	(GROSS) kg(lb)		38			76				/	
LAYERS LIMIT (actually)			6 (7)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50			(16.4 ~ 164.0)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-60PN1E5×2 / U-125PE1E5

INDOOR			MODEL	S-60PN1E5×2							
OUTDOOR			MODEL				U-125PE1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	1.12×2	1.08×2	1.04×2	17.4	16.9	16.4	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.665k	3.665k	3.665k	-	-
			TOTAL W	-			3.945k	3.945k	3.945k	1000	4.800k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1975k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.17	3.17 / B	3.17	3.30	2.92
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	94	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36							
			Power Level dB	60/58/53							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.12×2	1.08×2	1.04×2	17.3	16.8	16.3	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.655k	3.655k	3.655k	-	-
			TOTAL W	-			3.935k	3.935k	3.935k	1050	5.400k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.56	3.56 / B	3.56	3.90	2.96
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	95	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			/	/
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	28.0/6.000k	28.0/6.200k	28.0/6.400k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	17.4/3.0k	16.9/3.0k	16.4/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	22×2		(777)×2					
	HEAT		m^3/min (ft^3/min)	22×2		(777)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO D	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
PRO I	WIDTH : W mm(inch)			1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC D	HEIGHT : H mm			338			1556			/	
PAC I	WIDTH : W mm			1211			1055			/	
PAC M	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			32			98			/	
	(GROSS) kg(lb)			38			108			/	
LAYERS LIMIT (actually)				6 (7)			1 (2)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat O.D(DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-71PN1E5 / U-71PE1E5

INDOOR			MODEL	S-71PN1E5							
OUTDOOR			MODEL				U-71PE1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				2.5	8.0
			BTU/h	24200	24200	24200				8500	27300
	CURRENT		A	1.12	1.08	1.04	9.7	9.4	9.20	-	-
	INPUT POWER		W	140	140	140	2.010k	2.010k	2.010k	-	-
			TOTAL W	-			2.150k	2.150k	2.150k	550	2.750k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1075k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.30	3.30 / A	3.30	4.55	2.91
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	5.5	-		
		Annual consumption	kWh	-	-	-	-	452	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	93	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36							
			Power Level dB	60/58/53							
	NOISE OUTDOOR (H/L)		dB-A				48/-				
			Power Level dB				65/-				
HEATING	CAPACITY		kW	8.00	8.00	8.00				2.0	9.0
			BTU/h	27300	27300	27300				6800	30700
	CURRENT		A	1.12	1.08	1.04	10.2	9.9	9.7	-	-
	INPUT POWER		W	140	140	140	2.120k	2.120k	2.120k	-	-
			TOTAL W	-			2.260k	2.260k	2.260k	500	2.920k
	COP/COP CLASS		TOTAL(W/W)※5/("A"~"G")	-	-	-	3.54	3.54 / B	3.54	4.00	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	6.5	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.7	-		
		Annual consumption	kWh	-	-	-	-	2458	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	93	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			/	/
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			50/-			/	/
			Power Level dB	-			67/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28/0.160k	1.24/0.160k	1.20/0.160k	18.0/3.80k	18.0/3.930k	18.0/4.060k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	10.2/2.0k	9.9/2.0k	9.7/2.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2		(8.8)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	22		(777)					
	HEAT		m^3/min (ft^3/min)	22		(777)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				60		(2119)		
	HEAT		m^3/min (ft^3/min)				60		(2119)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.35k	(82.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)			/	
		WIDTH : W mm(inch)		1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		338			1136			/	
		WIDTH : W mm		1211			1055			/	
		DEPTH : D mm		761			485			/	
MASS		(NET) kg(lb)		32			69			/	
		(GROSS) kg(lb)		38			77			/	
LAYERS LIMIT (actually)				6 (7)			2 (3)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)				(49.2/98.4)			
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-71PN1E5×2 / U-140PE1E5

INDOOR			MODEL	S-71PN1E5×2							
OUTDOOR			MODEL				U-140PE1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.12×2	1.08×2	1.04×2	20.5	20.1	19.50	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.400k	4.400k	4.400k	-	-
			TOTAL W	-			4.680k	4.680k	4.680k	1000	6.200k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2340k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.99	2.99 / C	2.99	3.30	2.50
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	98	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36							
			Power Level dB	60/58/53							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.00	16.00	16.00				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	1.12×2	1.08×2	1.04×2	20.6	20.2	19.6	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.440k	4.440k	4.440k	-	-
			TOTAL W	-			4.720k	4.720k	4.720k	1050	6.100k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.39	3.39 / C	3.39	3.90	2.95
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	98	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			⁄	⁄
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			⁄	⁄
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	30.0/6.450k	30.0/6.650k	30.0/6.850k	⁄	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	20.6/3.0k	20.2/3.0k	19.6/3.0k	⁄	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90×2			⁄	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	22×2		(777)×2					
	HEAT		m^3/min (ft^3/min)	22×2		(777)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)		⁄
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)				⁄
		WIDTH : W mm(inch)		1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)				⁄
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)				⁄
PAC	D I M	HEIGHT : H mm		338			1556				⁄
		WIDTH : W mm		1211			1055				⁄
		DEPTH : D mm		761			485				⁄
MASS		(NET) kg(lb)		32			98				⁄
		(GROSS) kg(lb)		38			108				⁄
LAYERS LIMIT (actually)				6 (7)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75			(16.4 ~ 246.1)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-100PN1E5 / U-100PE1E5

INDOOR			MODEL	S-100PN1E5							
OUTDOOR			MODEL				U-100PE1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				3.3	12.5
			BTU/h	34100	34100	34100				11300	42700
	CURRENT		A	1.54	1.48	1.42	11.6	11.2	10.90	-	-
	INPUT POWER		W	205	205	205	2.465k	2.465k	2.465k	-	-
			TOTAL W	-			2.670k	2.670k	2.670k	870	3.800k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1335	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.75	3.75 / A	3.75	3.79	3.29
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.0	-		
		Annual consumption	kWh	-	-	-	-	583	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	97	96	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	44/42/37				-			
			Power Level dB	65/63/58				-			
	NOISE OUTDOOR (H/L)		dB-A				52/-				
			Power Level dB				69/-				
HEATING	CAPACITY		kW	11.20	11.20	11.20				4.1	14.0
			BTU/h	38200	38200	38200				14000	47800
	CURRENT		A	1.54	1.48	1.42	12.8	12.5	12.2	-	-
	INPUT POWER		W	205	205	205	2.745k	2.745k	2.745k	-	-
			TOTAL W	-			2.950k	2.950k	2.950k	980	4.500k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	4.18	3.11
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.9	-		
		Annual consumption	kWh	-	-	-	-	3590	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	97	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	44/42/37				-		/	/
			Power Level dB	65/63/58				-			
	NOISE OUTDOOR (H/L)		dB-A	-			52/-			/	/
			Power Level dB	-			69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			Q8.9kW/3.700kW/COP2.41							
MAX CURRENT(A)/MAX INPUT POWER(W)				2.13/0.275k	2.07/0.275k	2.01/0.275k	25.0/5.350k	25.0/5.550k	25.0/5.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	12.8/3.0k	12.5/3.0k	12.2/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0		(12.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	36		(1271)					
	HEAT		m^3/min (ft^3/min)	36		(1271)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				110		(3885)		
	HEAT		m^3/min (ft^3/min)				95		(3355)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		338			1556			/	
		WIDTH : W mm		1402			1055			/	
		DEPTH : D mm		761			485			/	
MASS		(NET) kg(lb)		41			98			/	
		(GROSS) kg(lb)		48			108			/	
LAYERS LIMIT (actually)				6 (7)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-125PN1E5 / U-125PE1E5

INDOOR		MODEL	S-125PN1E5								
OUTDOOR		MODEL				U-125PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	1.74	1.67	1.61	17.4	16.9	16.4	-	-	
	INPUT POWER	W	225	225	225	3.665k	3.665k	3.665k	-	-	
		TOTAL W	-			3.890k	3.890k	3.890k	1000	4.800k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1945	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.21	3.21 / A	3.21	3.30	2.92	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	45/43/38			-					
		Power Level dB	66/64/59			-					
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	1.74	1.67	1.61	17.3	16.8	16.3	-	-	
	INPUT POWER	W	225	225	225	3.655k	3.665k	3.655k	-	-	
		TOTAL W	-			3.880k	3.880k	3.880k	1050	5.400k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.61	3.61 / A	3.61	3.90	2.96	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	95	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	45/43/38			-			/	/	
		Power Level dB	66/64/59			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		Q10.6kW/W4.500kW/COP2.36								
MAX CURRENT(A)/MAX INPUT POWER(W)			2.36/0.3k	2.30/0.3k	2.24/0.3k	28.0/6.000k	28.0/6.200k	28.0/6.400k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.4/3.0k	16.9/3.0k	16.4/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			200			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	38		(1342)						
	HEAT	m^3/min (ft^3/min)	38		(1342)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PROM	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC	HEIGHT : H mm		338			1556			/		
	WIDTH : W mm		1402			1055			/		
	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		41			98			/		
	(GROSS) kg(lb)		48			108			/		
LAYERS LIMIT (actually)			6 (7)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-140PN1E5 / U-140PE1E5

INDOOR		MODEL	S-140PN1E5								
OUTDOOR		MODEL				U-140PE1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	1.89	1.82	1.74	20.5	20.1	19.5	-	-	
	INPUT POWER	W	250	250	250	4.400k	4.400k	4.400k	-	-	
		TOTAL W	-			4.650k	4.650k	4.650k	1000	6.200k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2325	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.30	2.50	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	98	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/44/39			-					
		Power Level dB	67/65/60			-					
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	1.89	1.82	1.74	20.6	20.2	19.6	-	-	
	INPUT POWER	W	250	250	250	4.440k	4.440k	4.440k	-	-	
		TOTAL W	-			4.690k	4.690k	4.690k	1050	6.100k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.41	3.41 / B	3.41	3.90	2.95	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	98	96	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/44/39			-			/	/	
		Power Level dB	67/65/60			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		Q12.4kW/W5.660kW/COP2.19								
MAX CURRENT(A)/MAX INPUT POWER(W)			2.59/0.345k	2.53/0.345k	2.47/0.345k	30.0/6.450k	30.0/6650k	30.0/6850k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	20.6/3.0k	20.2/3.0k	19.6/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			200			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0 (18.9)			-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	40 (1413)								
	HEAT	m^3/min (ft^3/min)	40 (1413)								
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135 (4767)					
	HEAT	m^3/min (ft^3/min)				120 (4238)					
REFRIGERANT TYPE, AMOUNT g(oz)						R410A 3.40k (119.9)			/		
PROM D	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/		
PROM I	WIDTH : W mm(inch)		1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/		
PROM M	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		338			1556			/		
PAC I	WIDTH : W mm		1402			1055			/		
PAC M	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		41			98			/		
	(GROSS) kg(lb)		48			108			/		
LAYERS LIMIT (actually)			6 (7)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-36PN1E5×2 / U-71PE1E8

INDOOR		MODEL	S-36PN1E5×2								
OUTDOOR		MODEL				U-71PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	0.42×2	0.43×2	0.44×2	3.25	3.10	3.00	-	-	
	INPUT POWER	W	90×2	95×2	100×2	2.010k	2.010k	2.010k	-	-	
		TOTAL W	-			2.190k	2.200k	2.210k	660	2.750k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1100k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.24	3.23 / A	3.21	3.79	2.91	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	477	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35								
		Power Level dB	57/55/52								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.00	8.00	8.00				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	0.42×2	0.43×2	0.44×2	3.35	3.20	3.10	-	-	
	INPUT POWER	W	90×2	95×2	100×2	2.120k	2.120k	2.120k	-	-	
		TOTAL W	-			2.300k	2.310k	2.320k	600	3.000k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.48	3.46 / B	3.45	3.33	3.00	
	Erp ※6 Pdsign	kW	-	-	-	-	6.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.7	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2458	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35				-		/	/	
		Power Level dB	57/55/52				-				
	NOISE OUTDOOR (H/L)	dB-A	-				50/-		/	/	
		Power Level dB	-				67/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.60×2/130×2	0.62×2/140×2	0.63×2/150×2	7.0/4.150k	7.0/4.360k	7.0/4.530k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	3.35/2.0k	3.20/2.0k	3.10/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×2	(565)×2							
	HEAT	m³/min (ft³/min)	14×2	(565)×2							
O/D AIR FLOW	COOL	m³/min (ft³/min)				60	(2119)				
	HEAT	m³/min (ft³/min)				60	(2119)				
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)		/	
PROM D	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)				/	
PROM I	WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)				/	
PROM M	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)				/	
PAC D	HEIGHT : H mm		345			1136				/	
PAC I	WIDTH : W mm		1007			1055				/	
PAC M	DEPTH : D mm		777			485				/	
MASS	(NET) kg(lb)		29			71 (157)				/	
	(GROSS) kg(lb)		34			79 (175)				/	
LAYERS LIMIT (actually)			8 (9)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-36PN1E5×3 / U-100PE1E8

INDOOR		MODEL	S-36PN1E5×3								
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	CZ-P3HPC2								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.42×3	0.43×3	0.44×3	3.95	3.75	3.60	-	-	
	INPUT POWER	W	90×3	95×3	100×3	2.465k	2.465k	2.465k	-	-	
		TOTAL W	-			2.735k	2.750k	2.765k	870	3.800k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1375k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.66	3.64 / A	3.62	3.79	3.29	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	603	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35								
		Power Level dB	57/55/52								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.20	11.20	11.20				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.42×3	0.43×3	0.44×3	4.35	4.15	4.00	-	-	
	INPUT POWER	W	90×3	95×3	100×3	2.745k	2.745k	2.745k	-	-	
		TOTAL W	-			3.015k	3.030k	3.045k	980	4.500k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.71	3.70 / A	3.68	4.18	3.11	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3684	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35			-			/	/	
		Power Level dB	57/55/52			-					
	NOISE OUTDOOR (H/L)	dB-A	-			52/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.60×3/130×3	0.62×3/140×3	0.63×3/150×3	9.0/5.550k	9.0/5.850k	9.0/6.100k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.35/3.0k	4.15/3.0k	4.00/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60×3			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(2.0×3)	(12.6)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×3	(565)×3							
	HEAT	m³/min (ft³/min)	14×3	(565)×3							
O/D AIR FLOW	COOL	m³/min (ft³/min)				110	(3885)				
	HEAT	m³/min (ft³/min)				95	(3355)				
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)		/	
PROM D	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)				/	
PROM I	WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)				/	
PROM M	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)				/	
PAC D	HEIGHT : H mm		345			1556				/	
PAC I	WIDTH : W mm		1007			1055				/	
PAC M	DEPTH : D mm		777			485				/	
MASS	(NET) kg(lb)		29			98				/	
	(GROSS) kg(lb)		34			108				/	
LAYERS LIMIT (actually)			8 (9)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Double-Twin) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-36PN1E5×4 / U-125PE1E8

INDOOR		MODEL	S-36PN1E5×4								
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	CZ-P155BK1×3								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	0.42×4	0.43×4	0.44×4	5.80	5.50	5.30	-	-	
	INPUT POWER	W	90×4	95×4	100×4	3.665k	3.665k	3.665k	-	-	
		TOTAL W	-			4.025k	4.045k	4.065k	1000	4.800k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2025k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.11	3.09 / B	3.08	3.30	2.92	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35								
		Power Level dB	57/55/52								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.00	14.00	14.00				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.42×4	0.43×4	0.44×4	5.80	5.50	5.30	-	-	
	INPUT POWER	W	90×4	95×4	100×4	3.655k	3.655k	3.655k	-	-	
		TOTAL W	-			4.015k	4.035k	4.055k	1050	5.400k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.49	3.47 / B	3.45	3.90	2.96	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35			-			/	/	
		Power Level dB	57/55/52			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.60×4/130×4	0.62×4/140×4	0.63×4/150×4	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.80/3.0k	5.50/3.0k	5.30/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60×4			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(1.98×4)	(16.6)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14×4		(565)×4						
	HEAT	m^3/min (ft^3/min)	14×4		(565)×4						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PROM	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC	HEIGHT : H mm		345			1556			/		
	WIDTH : W mm		1007			1055			/		
	DEPTH : D mm		777			485			/		
MASS	(NET) kg(lb)		29			98			/		
	(GROSS) kg(lb)		34			108			/		
LAYERS LIMIT (actually)			8 (9)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-45PN1E5×3 / U-125PE1E8

INDOOR			MODEL	S-45PN1E5×3							
OUTDOOR			MODEL				U-125PE1E8				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.3	14.0
			BTU/h	42700	42700	42700				11300	47800
	CURRENT		A	0.54×3	0.55×3	0.56×3	5.80	5.50	5.30	-	-
	INPUT POWER		W	115×3	120×3	125×3	3.665k	3.665k	3.665k	-	-
			TOTAL W	-			4.010k	4.025k	4.040k	1000	4.800k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2015k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.12	3.11 / B	3.09	3.30	2.92
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				53/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.54×3	0.55×3	0.56×3	5.80	5.50	5.30	-	-
	INPUT POWER		W	115×3	120×3	125×3	3.655k	3.655k	3.655k	-	-
			TOTAL W	-			4.000k	4.015k	4.030k	1050	5.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.50	3.49 / B	3.47	3.90	2.96
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35			-			/	/
			Power Level dB	58/56/52			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.74×3/165×3	0.76×3/180×3	0.78×3/190×3	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.80/3.0k	5.50/3.0k	5.30/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×3			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(2.63×3)	(16.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×3		(565)×3					
	HEAT		m^3/min (ft^3/min)	16×3		(565)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				130		(4591)		
	HEAT		m^3/min (ft^3/min)				110		(3885)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO D	HEIGHT : H mm(inch)			250 (9-27/32)			1416 (55-3/4)			/	
PRO I	WIDTH : W mm(inch)			780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			650 (25-19/32)			340 (13-13/32)			/	
PAC D	HEIGHT : H mm			345			1556			/	
PAC I	WIDTH : W mm			1007			1055			/	
PAC M	DEPTH : D mm			777			485			/	
MASS	(NET) kg(lb)			29			98			/	
	(GROSS) kg(lb)			34			108			/	
LAYERS LIMIT (actually)				8 (9)			1 (2)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-15°C ~ 46°C				
	Heat O.D(DBT)			16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-50PN1E5×2 / U-100PE1E8

INDOOR		MODEL	S-50PN1E5×2								
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	0.54×2	0.55×2	0.56×2	3.95	3.75	3.60	-	-	
	INPUT POWER	W	115×2	120×2	125×2	2.465k	2.465k	2.465k	-	-	
		TOTAL W	-			2.695k	2.705k	2.715k	870	3.800k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1355k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.71	3.70 / A	3.68	3.79	3.29	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	603	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/39/35								
		Power Level dB	58/56/52								
	NOISE OUTDOOR (H/L)	dB-A				52/-					
		Power Level dB				69/-					
HEATING	CAPACITY	kW	11.20	11.20	11.20				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	0.54×2	0.55×2	0.56×2	4.35	4.15	4.00	-	-	
	INPUT POWER	W	115×2	120×2	125×2	2.745k	2.745k	2.745k	-	-	
		TOTAL W	-			2.975k	2.985k	2.995k	980	4.500k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.76	3.75 / A	3.74	4.18	3.11	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3684	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/39/35				-		/	/	
		Power Level dB	58/56/52				-				
	NOISE OUTDOOR (H/L)	dB-A	-				52/-		/	/	
		Power Level dB	-				69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.74×2/165×2	0.76×2/180×2	0.78×2/190×2	9.0/5.550k	9.0/5.850k	9.0/6.100k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.35/3.0k	4.15/3.0k	4.00/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			85×2			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	16×2		(565)×2						
	HEAT	m^3/min (ft^3/min)	16×2		(565)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PROM	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC	HEIGHT : H mm		345			1556			/		
	WIDTH : W mm		1007			1055			/		
	DEPTH : D mm		777			485			/		
MASS	(NET) kg(lb)		29			98			/		
	(GROSS) kg(lb)		34			108			/		
LAYERS LIMIT (actually)			8 (9)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Triple) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-50PN1E5×3 / U-140PE1E8

INDOOR			MODEL	S-50PN1E5×3							
OUTDOOR			MODEL				U-140PE1E8				
Branch pipe			MODEL	CZ-P3HPC2							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.54×3	0.55×3	0.56×3	6.95	6.60	6.35	-	-
	INPUT POWER		W	115×3	120×3	125×3	4.400k	4.400k	4.400k	-	-
			TOTAL W	-			4.745k	4.760k	4.775k	1000	6.200k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2380k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.95	2.94 / C	2.93	3.30	2.50
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35							
			Power Level dB	58/56/52							
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	16.00	16.00	16.00				4.1	18.0
			BTU/h	54600	54600	54600				14000	61400
	CURRENT		A	0.54×3	0.55×3	0.56×3	7.00	6.65	6.45	-	-
	INPUT POWER		W	115×3	120×3	125×3	4.440k	4.440k	4.440k	-	-
			TOTAL W	-			4.785k	4.800k	4.815k	1050	6.100k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.34	3.33 / C	3.32	3.90	2.95
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35			-			/	/
			Power Level dB	58/56/52			-				
	NOISE OUTDOOR (H/L)		dB-A	-			55/-			/	/
			Power Level dB	-			71/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.74×3/165×3	0.76×3/180×3	0.78×3/190×3	11.0/6.800k	11.0/7.150k	11.0/7.450k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	7.00/3.0k	6.65/3.0k	6.45/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×3			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(3.0×3)	(18.9)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×3		(565)×3					
	HEAT		m^3/min (ft^3/min)	16×3		(565)×3					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PROM	D I M	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/	
		WIDTH : W mm(inch)		780 (+100) (30-23/32) (+3-15/16)			940 (37-1/32)			/	
		DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/	
PAC	D I M	HEIGHT : H mm		345			1556			/	
		WIDTH : W mm		1007			1055			/	
		DEPTH : D mm		777			485			/	
MASS		(NET) kg(lb)		29			98			/	
		(GROSS) kg(lb)		34			108			/	
LAYERS LIMIT (actually)				8 (9)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C				
		Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 75 (16.4 ~ 246.1)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-60PN1E5×2 / U-125PE1E8

INDOOR		MODEL	S-60PN1E5×2								
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	1.12×2	1.08×2	1.04×2	5.80	5.50	5.30	-	-	
	INPUT POWER	W	140×2	140×2	140×2	3.665k	3.665k	3.665k	-	-	
		TOTAL W	-			3.945k	3.945k	3.945k	1000	4.800k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1975k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.17	3.17 / B	3.17	3.30	2.92	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36								
		Power Level dB	60/58/53								
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	1.12×2	1.08×2	1.04×2	5.80	5.50	5.30	-	-	
	INPUT POWER	W	140×2	140×2	140×2	3.655k	3.655k	3.655k	-	-	
		TOTAL W	-			3.935k	3.935k	3.935k	1050	5.400k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.56	3.56 / B	3.56	3.90	2.96	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36			-			/	/	
		Power Level dB	60/58/53			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.80/3.0k	5.50/3.0k	5.30/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120×2			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	22×2		(777)×2						
	HEAT	m^3/min (ft^3/min)	22×2		(777)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PROM	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC	HEIGHT : H mm		338			1556			/		
	WIDTH : W mm		1211			1055			/		
	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		32			98			/		
	(GROSS) kg(lb)		38			108			/		
LAYERS LIMIT (actually)			6 (7)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-71PN1E5 / U-71PE1E8

INDOOR		MODEL	S-71PN1E5								
OUTDOOR		MODEL				U-71PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.5	8.0	
		BTU/h	24200	24200	24200				8500	27300	
	CURRENT	A	1.12	1.08	1.04	3.25	3.10	3.00	-	-	
	INPUT POWER	W	140	140	140	2.010k	2.010k	2.010k	-	-	
		TOTAL W	-			2.150k	2.150k	2.150k	660	2.750k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1075k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.30	3.30 / A	3.30	3.79	2.91	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	477	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36								
		Power Level dB	60/58/53								
	NOISE OUTDOOR (H/L)	dB-A				48/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	8.00	8.00	8.00				2.0	9.0	
		BTU/h	27300	27300	27300				6800	30700	
	CURRENT	A	1.12	1.08	1.04	3.35	3.20	3.10	-	-	
	INPUT POWER	W	140	140	140	2.120k	2.120k	2.120k	-	-	
		TOTAL W	-			2.260k	2.260k	2.260k	600	3.000k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.54	3.54 / B	3.54	3.33	3.00	
	Erp ※6 Pdsign	kW	-	-	-	-	6.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.7	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2458	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	96	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36			-			/	/	
		Power Level dB	60/58/53			-					
	NOISE OUTDOOR (H/L)	dB-A	-			50/-			/	/	
		Power Level dB	-			67/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			1.28/0.160k	1.24/0.160k	1.20/0.160k	7.0/4.150k	7.0/4.360k	7.0/4.530k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	3.35/2.0k	3.20/2.0k	3.10/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	22		(777)						
	HEAT	m^3/min (ft^3/min)	22		(777)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				60		(2119)			
	HEAT	m^3/min (ft^3/min)				60		(2119)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.35k	(82.9)		/	
PRO D	HEIGHT : H mm(inch)		250 (9-27/32)			996 (39-7/32)				/	
PRO I	WIDTH : W mm(inch)		1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)				/	
PRO M	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)				/	
PAC D	HEIGHT : H mm		338			1136				/	
PAC I	WIDTH : W mm		1211			1055				/	
PAC M	DEPTH : D mm		761			485				/	
MASS	(NET) kg(lb)		32			71 (157)				/	
	(GROSS) kg(lb)		38			79 (175)				/	
LAYERS LIMIT (actually)			6 (7)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-71PN1E5×2 / U-140PE1E8

INDOOR		MODEL	S-71PN1E5×2								
OUTDOOR		MODEL				U-140PE1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	1.12×2	1.08×2	1.04×2	6.95	6.60	6.35	-	-	
	INPUT POWER	W	140×2	140×2	140×2	4.400k	4.400k	4.400k	-	-	
		TOTAL W	-			4.680k	4.680k	4.680k	1000	6.200k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2340k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.99	2.99 / C	2.99	3.30	2.50	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36								
		Power Level dB	60/58/53								
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.00	16.00	16.00				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	1.12×2	1.08×2	1.04×2	7.00	6.65	6.45	-	-	
	INPUT POWER	W	140×2	140×2	140×2	4.440k	4.440k	4.440k	-	-	
		TOTAL W	-			4.720k	4.720k	4.720k	1050	6.100k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.39	3.39 / C	3.39	3.90	2.95	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36			-			/	/	
		Power Level dB	60/58/53			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	11.0/6.800k	11.0/7.150k	11.0/7.450k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.00/3.0k	6.65/3.0k	6.45/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120×2			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	22×2		(777)×2						
	HEAT	m^3/min (ft^3/min)	22×2		(777)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PROM	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/		
	WIDTH : W mm(inch)		1000 (+100) (39-5/16) (+3-15/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC	HEIGHT : H mm		338			1556			/		
	WIDTH : W mm		1211			1055			/		
	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		32			98			/		
	(GROSS) kg(lb)		38			108			/		
LAYERS LIMIT (actually)			6 (7)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-100PN1E5 / U-100PE1E8

INDOOR		MODEL	S-100PN1E5								
OUTDOOR		MODEL				U-100PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				3.3	12.5	
		BTU/h	34100	34100	34100				11300	42700	
	CURRENT	A	1.54	1.48	1.42	3.95	3.75	3.60	-	-	
	INPUT POWER	W	205	205	205	2.465k	2.465k	2.465k	-	-	
		TOTAL W	-			2.670k	2.670k	2.670k	870	3.800k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1335	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.75	3.75 / A	3.75	3.79	3.29	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	603	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/42/37				-				
		Power Level dB	65/63/58				-				
	NOISE OUTDOOR (H/L)	dB-A					52/-				
		Power Level dB					69/-				
HEATING	CAPACITY	kW	11.20	11.20	11.20				4.1	14.0	
		BTU/h	38200	38200	38200				14000	47800	
	CURRENT	A	1.54	1.48	1.42	4.35	4.15	4.00	-	-	
	INPUT POWER	W	205	205	205	2.745k	2.745k	2.745k	-	-	
		TOTAL W	-			2.950k	2.950k	2.950k	980	4.500k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	4.18	3.11	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3684	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/42/37				-		/	/	
		Power Level dB	65/63/58				-				
	NOISE OUTDOOR (H/L)	dB-A	-				52/-		/	/	
		Power Level dB	-				69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			2.13/0.275k	2.07/0.275k	2.01/0.275k	9.0/5.550k	9.0/5.850k	9.0/6.100k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	4.35/3.0k	4.15/3.0k	4.00/3.00k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			200			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0		(12.6)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	36		(1271)						
	HEAT	m^3/min (ft^3/min)	36		(1271)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				110		(3885)			
	HEAT	m^3/min (ft^3/min)				95		(3355)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PROM D	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/		
PROM I	WIDTH : W mm(inch)		1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/		
PROM M	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		338			1556			/		
PAC I	WIDTH : W mm		1402			1055			/		
PAC M	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		41			98			/		
	(GROSS) kg(lb)		48			108			/		
LAYERS LIMIT (actually)			6 (7)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-125PN1E5 / U-125PE1E8

INDOOR		MODEL	S-125PN1E5								
OUTDOOR		MODEL				U-125PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.3	14.0	
		BTU/h	42700	42700	42700				11300	47800	
	CURRENT	A	1.74	1.67	1.61	5.80	5.50	5.30	-	-	
	INPUT POWER	W	225	225	225	3.665k	3.665k	3.665k	-	-	
		TOTAL W	-			3.890k	3.890k	3.890k	1000	4.800k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1945	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.21	3.21 / A	3.21	3.30	2.92	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	45/43/38			-					
		Power Level dB	66/64/59			-					
	NOISE OUTDOOR (H/L)	dB-A				53/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	1.74	1.67	1.61	5.80	5.50	5.30	-	-	
	INPUT POWER	W	225	225	225	3.655k	3.665k	3.655k	-	-	
		TOTAL W	-			3.880k	3.880k	3.880k	1050	5.400k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.61	3.61 / A	3.61	3.90	2.96	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	45/43/38			-			/	/	
		Power Level dB	66/64/59			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			2.36/0.3k	2.30/0.3k	2.24/0.3k	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.80/3.0k	5.50/3.0k	5.30/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			200			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	38		(1342)						
	HEAT	m^3/min (ft^3/min)	38		(1342)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				130		(4591)			
	HEAT	m^3/min (ft^3/min)				110		(3885)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PROM D	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/		
PROM I	WIDTH : W mm(inch)		1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/		
PROM M	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		338			1556			/		
PAC I	WIDTH : W mm		1402			1055			/		
PAC M	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		41			98			/		
	(GROSS) kg(lb)		48			108			/		
LAYERS LIMIT (actually)			6 (7)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PE1

7. Ducted Type S-140PN1E5 / U-140PE1E8

INDOOR		MODEL	S-140PN1E5								
OUTDOOR		MODEL				U-140PE1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	1.89	1.82	1.74	6.95	6.60	6.35	-	-	
	INPUT POWER	W	250	250	250	4.400k	4.400k	4.400k	-	-	
		TOTAL W	-			4.650k	4.650k	4.650k	1000	6.200k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2325	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.01	3.01 / B	3.01	3.30	2.50	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/44/39			-					
		Power Level dB	67/65/60			-					
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	16.0	16.0	16.0				4.1	18.0	
		BTU/h	54600	54600	54600				14000	61400	
	CURRENT	A	1.89	1.82	1.74	7.00	6.65	6.45	-	-	
	INPUT POWER	W	250	250	250	4.440k	4.440k	4.440k	-	-	
		TOTAL W	-			4.690k	4.690k	4.690k	1050	6.100k	
	COP/COP CLASS	TOTAL(W/W)※5/("A"~"G")	-	-	-	3.41	3.41 / B	3.41	3.90	2.95	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	96	96	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/44/39			-			/	/	
		Power Level dB	67/65/60			-					
	NOISE OUTDOOR (H/L)	dB-A	-			55/-			/	/	
		Power Level dB	-			71/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			2.59/0.345k	2.53/0.345k	2.47/0.345k	11.0/6.800k	11.0/7.150k	11.0/7.450k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.00/3.0k	6.65/3.0k	6.45/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			200			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0		(18.9)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	40		(1413)						
	HEAT	m^3/min (ft^3/min)	40		(1413)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PROM D	HEIGHT : H mm(inch)		250 (9-27/32)			1416 (55-3/4)			/		
PROM I	WIDTH : W mm(inch)		1200 (+100) (47-1/4) (+3-15/16)			940 (37-1/32)			/		
PROM M	DEPTH : D mm(inch)		650 (25-19/32)			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		338			1556			/		
PAC I	WIDTH : W mm		1402			1055			/		
PAC M	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		41			98			/		
	(GROSS) kg(lb)		48			108			/		
LAYERS LIMIT (actually)			6 (7)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-15°C ~ 46°C					
	Heat O.D(DBT)		16°C ~ 30°C			-20°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 75 (16.4 ~ 246.1)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-36PU1E5×2 / U-71PEY1E5

INDOOR			MODEL	S-36PU1E5×2							
PANEL			MODEL	CZ-KPU2×2			-				
OUTDOOR			MODEL				U-71PEY1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				2.0	7.7
			BTU/h	24200	24200	24200				6800	26300
	CURRENT		A	0.19×2	0.19×2	0.18×2	10.70	10.30	9.80	-	-
	INPUT POWER		W	20×2	20×2	20×2	2.150k	2.150k	2.150k	-	-
			TOTAL W	-			2.190k	2.190k	2.190k	325	2.800k
	ANNUAL CONSUMPTION		TOTAL kWh※4	-			1094	1095	1096	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.24	3.24 / A	3.24	6.15	2.75
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	6.3	-		
		Annual consumption	kWh	-	-	-	-	394	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	91	91	91	-	-
	NOISE INDOOR		dB-A (H/M/L)	30/28/27							
			Power Level dB	47/45/44							
	NOISE OUTDOOR		dB-A (H/L)				50/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	7.1	7.1	7.1				1.8	8.1
			BTU/h	24200	24200	24200				6100	27600
	CURRENT		A	0.17×2	0.17×2	0.16×2	9.10	8.70	8.30	-	-
	INPUT POWER		W	20×2	20×2	20×2	1.840k	1.840k	1.840k	-	-
			TOTAL W	-			1.880k	1.880k	1.880k	275	2.510k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.78	3.78 / A	3.78	6.55	3.23
	Erp ※6	Pdsign	kW	-	-	-	-	6.0	-		
		Tbivalen	°C	-	-	-	-	-6	-		
		SCOP	(W/W)	-	-	-	-	4.0	-		
		Annual consumption	kWh	-	-	-	-	2100	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	92	92	92	-	-
	NOISE INDOOR		dB-A (H/M/L)	30/28/27			-			/	/
			Power Level dB	47/45/44			-				
	NOISE OUTDOOR		dB-A (H/L)	-			52/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.19×2/20×2	0.19×2/20×2	0.18×2/20×2	18/3.64k	18/3.81k	18/3.97k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	10.7/2.19k	10.3/2.19k	9.8/2.19k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	14×2		(494)×2					
	HEAT		m^3/min (ft^3/min)	14×2		(494)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				39		(1377)		
	HEAT		m^3/min (ft^3/min)				39		(1377)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	1.70k	(60.0)	/	
PRO DUCT	HEIGHT : H mm(inch)			256 (10-3/32)			569 (22-13/32)			/	
	WIDTH : W mm(inch)			840 (33-3/32)			790 (31-7/64)			/	
	DEPTH : D mm(inch)			840 (33-3/32)			285 (11-7/32)			/	
PAC KING	HEIGHT : H mm			298			645			/	
	WIDTH : W mm			929			921			/	
	DEPTH : D mm			929			386			/	
MASS	(NET) kg(lb)			23 (51)			42 (93)			/	
	(GROSS) kg(lb)			29 (64)			46 (101)			/	
LAYERS LIMIT (actually)				11 (12)			4 (5)				
Operation Condition	Cool (DBT)			18°C ~ 32°C			-10°C ~ 43°C				
	Heat (DBT)			16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			40 (0.430)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20 (65.6)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-50PU1E5×2 / U-100PEY1E5

INDOOR			MODEL	S-50PU1E5×2							
PANEL			MODEL	CZ-KPU2×2							
OUTDOOR			MODEL				U-100PEY1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				2.7	11.5
			BTU/h	34100	34100	34100				9200	39200
	CURRENT		A	0.22×2	0.22×2	0.21×2	15.3	14.6	14.0	-	-
	INPUT POWER		W	25×2	25×2	25×2	3.170k	3.170k	3.170k	-	-
			TOTAL W	-			3.220k	3.220k	3.220k	530	4.200k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1610k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.11	3.11 / B	3.11	5.09	2.74
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.4	-		
		Annual consumption	kWh	-	-	-	-	547	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	32/29/27				-			
			Power Level dB	49/46/44				-			
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
	CURRENT		A	0.20×2	0.20×2	0.19×2	12.2	11.8	11.3	-	-
	INPUT POWER		W	25×2	25×2	25×2	2.580k	2.580k	2.580k	-	-
			TOTAL W	-			2.630k	2.630k	2.630k	410	4.000k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	5.12	3.45
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-8	-		
		SCOP	(W/W)	-	-	-	-	4.0	-		
		Annual consumption	kWh	-	-	-	-	3500	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	96	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	32/29/27				-		/	/
			Power Level dB	49/46/44				-			
	NOISE OUTDOOR (H/L)		dB-A	-				54/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.22×2/25×2	0.22×2/25×2	0.21×2/25×2	25.0/5.300k	25.0/5.500k	25.0/5.700k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	15.3/1.7k	14.6/1.7k	14.0/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×2		(565)×2					
	HEAT		m^3/min (ft^3/min)	16×2		(565)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				76		(2684)		
	HEAT		m^3/min (ft^3/min)				67		(2366)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.60k	(91.7)	/	
PRO DIM	HEIGHT : H mm(inch)			256 10-3/32			996 (39-7/32)			/	
	WIDTH : W mm(inch)			840 33-3/32			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 33-3/32			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1136			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			23		(51)	73		(161)	/	
	(GROSS) kg(lb)			29		(64)	81		(179)	/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-60PU1E5 / U-60PEY1E5

INDOOR		MODEL	S-60PU1E5								
PANEL		MODEL	CZ-KPU2			-					
OUTDOOR		MODEL				U-60PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.0	7.0	
		BTU/h	20500	20500	20500				6800	23900	
	CURRENT	A	0.32	0.31	0.30	8.30	7.90	7.60	-	-	
	INPUT POWER	W	35	35	35	1.655k	1.655k	1.655k	-	-	
		TOTAL W	-			1.690k	1.690k	1.690k	325	2.500k	
	ANNUAL CONSUMPTION	TOTAL kWh※4	-			845	845	845	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.55	3.55 / A	3.55	6.15	2.80	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	309	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	91	91	91	-	-	
	NOISE INDOOR	dB-A (H/M/L)	36/31/28								
		Power Level dB	53/48/45								
	NOISE OUTDOOR	dB-A (H/L)				46/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	6.0	6.0	6.0				1.8	7.0	
		BTU/h	20500	20500	20500				6100	23900	
	CURRENT	A	0.30	0.30	0.29	7.20	6.90	6.60	-	-	
	INPUT POWER	W	35	35	35	1.445k	1.445k	1.445k	-	-	
		TOTAL W	-			1.480k	1.480k	1.480k	275	2.155k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.05	4.05 / A	4.05	6.55	3.25	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-6	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2100	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	91	91	91	-	-	
	NOISE INDOOR	dB-A (H/M/L)	36/31/28			-			／	／	
		Power Level dB	53/48/45			-					
	NOISE OUTDOOR	dB-A (H/L)	-			50/-			／	／	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.32/35	0.31/35	0.30/35	18/3.64k	18/3.77k	18/3.93k	／		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	8.30/1.7k	7.90/1.7k	7.60/1.7k	／		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60			90			／		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.40 (7.1)			-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	21 (742)								
	HEAT	m^3/min (ft^3/min)	21 (742)								
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				30 (1067)					
	HEAT	m^3/min (ft^3/min)				35 (1229)					
REFRIGERANT TYPE, AMOUNT g(oz)						R410A 1.70k (60.0)				／	
PRO D	HEIGHT : H mm(inch)		256 (10-3/32)			569 (22-13/32)				／	
PRO I	WIDTH : W mm(inch)		840 (33-3/32)			790 (31-7/32)				／	
PRO M	DEPTH : D mm(inch)		840 (33-3/32)			285 (11-7/32)				／	
PAC D	HEIGHT : H mm		298			645				／	
PAC I	WIDTH : W mm		929			921				／	
PAC M	DEPTH : D mm		929			386				／	
MASS	(NET) kg(lb)		24 (53)			42 (93)				／	
	(GROSS) kg(lb)		30 (66)			46 (101)				／	
LAYERS LIMIT (actually)			11 (12)			4 (5)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat (DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-60PU1E5×2 / U-125PEY1E5

INDOOR			MODEL	S-60PU1E5×2							
PANEL			MODEL	CZ-KPU2×2							
OUTDOOR			MODEL				U-125PEY1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	0.32×2	0.31×2	0.30×2	19.4	18.5	17.7	-	-
	INPUT POWER		W	35×2	35×2	35×2	3.950k	3.950k	3.950k	-	-
			TOTAL W	-			4.020k	4.020k	4.020k	900	5.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2010k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.11	3.11 / B	3.11	4.22	2.70
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	93	93	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	36/31/28			-				
			Power Level dB	53/48/45			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	0.30×2	0.30×2	0.29×2	15.6	14.9	14.3	-	-
	INPUT POWER		W	35×2	35×2	35×2	3.220k	3.220k	3.220k	-	-
			TOTAL W	-			3.290k	3.290k	3.290k	730	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	4.66	3.41
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	36/31/28			-			/	/
			Power Level dB	53/48/45			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.32×2/35×2	0.31×2/35×2	0.30×2/35×2	29.0/6.000k	29.0/6.300k	29.0/6.600k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	19.4/3.0k	18.5/3.0k	17.7/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21×2		(742)×2					
	HEAT		m^3/min (ft^3/min)	21×2		(742)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 10-3/32			996 (39-7/32)			/	
	WIDTH : W mm(inch)			840 33-3/32			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 33-3/32			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1136			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			24		(53)	85		(188)	/	
	(GROSS) kg(lb)			30		(67)	93		(205)	/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50			(537.6)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30			(98.4)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-71PU1E5 / U-71PEY1E5

INDOOR		MODEL	S-71PU1E5								
PANEL		MODEL	CZ-KPU2			-					
OUTDOOR		MODEL				U-71PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.0	7.7	
		BTU/h	24200	24200	24200				6800	26300	
	CURRENT	A	0.36	0.33	0.32	10.70	10.30	9.80	-	-	
	INPUT POWER	W	40	40	40	2.150k	2.150k	2.150k	-	-	
		TOTAL W	-			2.190k	2.190k	2.190k	325	2.800k	
	ANNUAL CONSUMPTION	TOTAL kWh※4	-			1095	1095	1095	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.24	3.24 / A	3.24	6.15	2.75	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	394	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	91	91	91	-	-	
	NOISE INDOOR	dB-A (H/M/L)	37/31/28								
		Power Level dB	54/48/45								
	NOISE OUTDOOR	dB-A (H/L)				50/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	7.1	7.1	7.1				1.8	8.1	
		BTU/h	24200	24200	24200				6100	27600	
	CURRENT	A	0.35	0.32	0.31	9.10	8.70	8.30	-	-	
	INPUT POWER	W	40	40	40	1.840k	1.840k	1.840k	-	-	
		TOTAL W	-			1.880k	1.880k	1.880k	275	2.510k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.78	3.78 / A	3.78	6.55	3.23	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-6	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2100	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	92	92	92	-	-	
	NOISE INDOOR	dB-A (H/M/L)	37/31/28			-			/	/	
		Power Level dB	54/48/45			-					
	NOISE OUTDOOR	dB-A (H/L)	-			52/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.36/40	0.33/40	0.32/40	18/3.64k	18/3.81k	18/3.97k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	10.7/2.2k	10.3/2.2k	9.80/2.2k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	22		(777)						
	HEAT	m^3/min (ft^3/min)	22		(777)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				39		(1377)			
	HEAT	m^3/min (ft^3/min)				39		(1377)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PRO D	HEIGHT : H mm(inch)		256 (10-3/32)			569 (22-13/32)			/		
PRO I	WIDTH : W mm(inch)		840 (33-3/32)			790 (31-7/32)			/		
PRO M	DEPTH : D mm(inch)		840 (33-3/32)			285 (11-7/32)			/		
PAC D	HEIGHT : H mm		298			645			/		
PAC I	WIDTH : W mm		929			921			/		
PAC M	DEPTH : D mm		929			386			/		
MASS	(NET) kg(lb)		24 (53)			42 (93)			/		
	(GROSS) kg(lb)		30 (66)			46 (101)			/		
LAYERS LIMIT (actually)			11 (12)			4 (5)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat (DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-100PU1E5 / U-100PEY1E5

INDOOR			MODEL	S-100PU1E5							
PANEL			MODEL	CZ-KPU2							
OUTDOOR			MODEL				U-100PEY1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				2.7	11.5
			BTU/h	34100	34100	34100				9200	39200
	CURRENT		A	0.73	0.71	0.71	15.1	14.4	13.8	-	-
	INPUT POWER		W	95	95	95	3.125k	3.125k	3.125k	-	-
			TOTAL W	-			3.220k	3.220k	3.220k	530	4.200k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1610k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.11	3.11 / B	3.11	5.09	2.74
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.4	-		
		Annual consumption	kWh	-	-	-	-	547	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	44/38/32				-			
			Power Level dB	62/55/49				-			
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
	CURRENT		A	0.66	0.65	0.64	12.0	11.6	11.2	-	-
	INPUT POWER		W	85	85	85	2.545k	2.545k	2.545k	-	-
			TOTAL W	-			2.630k	2.630k	2.630k	410	4.000k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	5.12	3.45
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-8	-		
		SCOP	(W/W)	-	-	-	-	4.0	-		
		Annual consumption	kWh	-	-	-	-	3500	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	96	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	44/38/32				-		/	/
			Power Level dB	62/55/49				-			
	NOISE OUTDOOR (H/L)		dB-A	-				54/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.73/95	0.71/95	0.71/95	25.0/5.300k	25.0/5.500k	25.0/5.700k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	15.1/1.7k	14.4/1.7k	13.8/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0		(12.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	33		(1165)					
	HEAT		m^3/min (ft^3/min)	33		(1165)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				76		(2684)		
	HEAT		m^3/min (ft^3/min)				67		(2366)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.60k	(91.7)	/	
PRO DIM	HEIGHT : H mm(inch)			319 12-9/16			996 (39-7/32)			/	
	WIDTH : W mm(inch)			840 33-3/32			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 33-3/32			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			361			1136			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			27		(60)	73		(161)	/	
	(GROSS) kg(lb)			34		(75)	81		(179)	/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50		(537.6)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30		(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-125PU1E5 / U-125PEY1E5

INDOOR			MODEL	S-125PU1E5							
PANEL			MODEL	CZ-KPU2							
OUTDOOR			MODEL				U-125PEY1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	0.77	0.76	0.73	19.2	18.4	17.6	-	-
	INPUT POWER		W	100	100	100	3.920k	3.920k	3.920k	-	-
			TOTAL W	-			4.020k	4.020k	4.020k	900	5.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2010k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.11	3.11 / B	3.11	4.22	2.70
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	93	93	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/39/33			-				
			Power Level dB	63/56/50			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	0.75	0.73	0.73	15.4	14.8	14.2	-	-
	INPUT POWER		W	100	100	100	3.190k	3.190k	3.190k	-	-
			TOTAL W	-			3.290k	3.290k	3.290k	730	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	4.66	3.41
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/39/33			-			/	/
			Power Level dB	63/56/50			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.77/100	0.76/100	0.73/100	29.0/6.000k	29.0/6.300k	29.0/6.600k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	19.2/3.0k	18.4/3.0k	17.6/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9		(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	35		(1236)					
	HEAT		m^3/min (ft^3/min)	35		(1236)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO D	HEIGHT : H mm(inch)			319 12-9/16			996 (39-7/32)			/	
PRO I	WIDTH : W mm(inch)			840 33-3/32			940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			840 33-3/32			340 (13-13/32)			/	
PAC D	HEIGHT : H mm			361			1136			/	
PAC I	WIDTH : W mm			929			1055			/	
PAC M	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			27		(60)	85		(188)	/	
	(GROSS) kg(lb)			34		(75)	93		(205)	/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50		(537.6)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30		(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-50PU1E5×2 / U-100PEY1E8

INDOOR			MODEL	S-50PU1E5×2							
PANEL			MODEL	CZ-KPU2×2							
OUTDOOR			MODEL				U-100PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				2.7	11.5
			BTU/h	34100	34100	34100				9200	39200
	CURRENT		A	0.22×2	0.22×2	0.21×2	5.20	4.90	4.75	-	-
	INPUT POWER		W	25×2	25×2	25×2	3.170k	3.170k	3.170k	-	-
			TOTAL W	-			3.220k	3.220k	3.220k	530	4.200k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1610k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.11	3.11 / B	3.11	5.09	2.74
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.2	-		
		Annual consumption	kWh	-	-	-	-	564	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	93	93	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	32/29/27				-			
			Power Level dB	49/46/44				-			
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					70/-			
HEATING	CAPACITY		kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
	CURRENT		A	0.20×2	0.20×2	0.19×2	4.20	4.00	3.85	-	-
	INPUT POWER		W	25×2	25×2	25×2	2.580k	2.580k	2.580k	-	-
			TOTAL W	-			2.630k	2.630k	2.630k	410	4.000k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	5.12	3.45
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-8	-		
		SCOP	(W/W)	-	-	-	-	4.0	-		
		Annual consumption	kWh	-	-	-	-	3500	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	93	93	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	32/29/27				-		/	/
			Power Level dB	49/46/44				-			
	NOISE OUTDOOR (H/L)		dB-A	-				54/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.22×2/25×2	0.22×2/25×2	0.21×2/25×2	9.0/5.550k	9.0/5.800k	9.0/6.050k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.20/1.7k	4.90/1.7k	4.75/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×2		(565)×2					
	HEAT		m^3/min (ft^3/min)	16×2		(565)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				76		(2684)		
	HEAT		m^3/min (ft^3/min)				67		(2366)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.60k	(91.7)	/	
PRO D	HEIGHT : H mm(inch)			256 10-3/32			996 (39-7/32)			/	
PRO I	WIDTH : W mm(inch)			840 33-3/32			940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			840 33-3/32			340 (13-13/32)			/	
PAC D	HEIGHT : H mm			298			1136			/	
PAC I	WIDTH : W mm			929			1055			/	
PAC M	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			23		(51)	73		(161)	/	
	(GROSS) kg(lb)			29		(64)	81		(179)	/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-10°C ~ 43°C				
	Heat O.D(DBT)			16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-60PU1E5×2 / U-125PEY1E8

INDOOR			MODEL	S-60PU1E5×2							
PANEL			MODEL	CZ-KPU2×2							
OUTDOOR			MODEL				U-125PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	0.32×2	0.31×2	0.30×2	6.40	6.05	5.85	-	-
	INPUT POWER		W	35×2	35×2	35×2	3.950k	3.950k	3.950k	-	-
			TOTAL W	-			4.020k	4.020k	4.020k	900	5.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2010k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.11	3.11 / B	3.11	4.22	2.70
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	36/31/28			-				
			Power Level dB	53/48/45			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	0.30×2	0.30×2	0.29×2	5.20	4.95	4.75	-	-
	INPUT POWER		W	35×2	35×2	35×2	3.220k	3.220k	3.220k	-	-
			TOTAL W	-			3.290k	3.290k	3.290k	730	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	4.66	3.41
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	36/31/28			-			/	/
			Power Level dB	53/48/45			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.32×2/35×2	0.31×2/35×2	0.30×2/35×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.40/3.0k	6.05/3.0k	5.85/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21×2		(742)×2					
	HEAT		m^3/min (ft^3/min)	21×2		(742)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 10-3/32			996 (39-7/32)			/	
	WIDTH : W mm(inch)			840 33-3/32			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 33-3/32			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			298			1136			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			24		(53)	85		(188)	/	
	(GROSS) kg(lb)			30		(67)	93		(205)	/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50			(537.6)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30			(98.4)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-71PU1E5×2 / U-140PEY1E8

INDOOR			MODEL	S-71PU1E5×2							
PANEL			MODEL	CZ-KPU2×2							
OUTDOOR			MODEL				U-140PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.36×2	0.33×2	0.32×2	6.90	6.55	6.35	-	-
	INPUT POWER		W	40×2	40×2	40×2	4.280k	4.280k	4.280k	-	-
			TOTAL W	-			4.360k	4.360k	4.360k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2180	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.21	3.21 / A	3.21	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	37/31/28			-				
			Power Level dB	54/48/45			-				
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.35×2	0.32×2	0.31×2	5.70	5.40	5.20	-	-
	INPUT POWER		W	40×2	40×2	40×2	3.520k	3.520k	3.520k	-	-
			TOTAL W	-			3.600k	3.600k	3.600k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.89	3.89 / A	3.89	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	37/31/28			-			/	/
			Power Level dB	54/48/45			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.36×2/40×2	0.33×2/40×2	0.32×2/40×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.90/3.0k	6.55/3.0k	6.35/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				60			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	22×2		(777)×2					
	HEAT		m^3/min (ft^3/min)	22×2		(777)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			256 10-3/32			1416 55-3/4			/	
	WIDTH : W mm(inch)			840 33-3/32			940 37-1/32			/	
	DEPTH : D mm(inch)			840 33-3/32			340 13-13/32			/	
PAC DIM	HEIGHT : H mm			298			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			24			98			/	
	(GROSS) kg(lb)			30			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-100PU1E5 / U-100PEY1E8

INDOOR			MODEL	S-100PU1E5							
PANEL			MODEL	CZ-KPU2							
OUTDOOR			MODEL				U-100PEY1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				2.7	11.5
			BTU/h	34100	34100	34100				9200	39200
	CURRENT		A	0.73	0.71	0.71	5.10	4.85	4.70	-	-
	INPUT POWER		W	95	95	95	3.125k	3.125k	3.125k	-	-
			TOTAL W		-		3.220k	3.220k	3.220k	530	4.200k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	1610k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.11	3.11 / B	3.11	5.09	2.74
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.2	-		
		Annual consumption	kWh	-	-	-	-	564	-		
		Class		-	-	-	-	A++	-		
	POWER FACTOR		%	-	-	-	93	93	93	-	-
	NOISE INDOOR (H/M/L)		dB-A		44/38/32			-			
			Power Level dB		62/55/49			-			
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					70/-			
HEATING	CAPACITY		kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
	CURRENT		A	0.66	0.65	0.64	4.15	3.95	3.80	-	-
	INPUT POWER		W	85	85	85	2.545k	2.545k	2.545k	-	-
			TOTAL W		-		2.630k	2.630k	2.630k	410	4.000k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	5.12	3.45
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-8	-		
		SCOP	(W/W)	-	-	-	-	4.0	-		
		Annual consumption	kWh	-	-	-	-	3500	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR		%	-	-	-	93	93	93	-	-
	NOISE INDOOR (H/M/L)		dB-A		44/38/32			-		/	/
			Power Level dB		62/55/49			-			
	NOISE OUTDOOR (H/L)		dB-A		-			54/-		/	/
			Power Level dB		-			70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP						-				
MAX CURRENT(A)/MAX INPUT POWER(W)				0.73/95	0.71/95	0.71/95	9.0/5.550k	9.0/5.800k	9.0/6.050k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.10/1.7k	4.85/1.7k	4.70/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-			
FM OUTPUT (W)					90			90		/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0		(12.6)		-			
External static pressure			Pa		-						
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	33		(1165)					
	HEAT		m^3/min (ft^3/min)	33		(1165)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				76		(2684)		
	HEAT		m^3/min (ft^3/min)				67		(2366)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.60k	(91.7)	/	
PRO DIM	HEIGHT : H mm(inch)			319 12-9/16			996 (39-7/32)			/	
	WIDTH : W mm(inch)			840 33-3/32			940 (37-1/32)			/	
	DEPTH : D mm(inch)			840 33-3/32			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			361			1136			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			27		(60)	73		(161)	/	
	(GROSS) kg(lb)			34		(75)	81		(179)	/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C				
		Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)				(49.2/98.4)			
	ADD GAS AMOUNT g/m (oz/ft)				50	(537.6)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)				30	(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-125PU1E5 / U-125PEY1E8

INDOOR			MODEL	S-125PU1E5							
PANEL			MODEL	CZ-KPU2							
OUTDOOR			MODEL				U-125PEY1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	0.77	0.76	0.73	6.35	6.05	5.80	-	-
	INPUT POWER		W	100	100	100	3.920k	3.920k	3.920k	-	-
			TOTAL W	-			4.020k	4.020k	4.020k	900	5.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2010k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.11	3.11 / B	3.11	4.22	2.70
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/39/33			-				
			Power Level dB	63/56/50			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	0.75	0.73	0.73	5.15	4.90	4.70	-	-
	INPUT POWER		W	100	100	100	3.190k	3.190k	3.190k	-	-
			TOTAL W	-			3.290k	3.290k	3.290k	730	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	4.66	3.41
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/39/33			-			/	/
			Power Level dB	63/56/50			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.77/100	0.76/100	0.73/100	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.35/3.0k	6.05/3.0k	5.80/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9		(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	35		(1236)					
	HEAT		m^3/min (ft^3/min)	35		(1236)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO D	HEIGHT : H mm(inch)			319 12-9/16			996 (39-7/32)			/	
PRO I	WIDTH : W mm(inch)			840 33-3/32			940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			840 33-3/32			340 (13-13/32)			/	
PAC D	HEIGHT : H mm			361			1136			/	
PAC I	WIDTH : W mm			929			1055			/	
PAC M	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			27		(60)	85		(188)	/	
	(GROSS) kg(lb)			34		(75)	93		(205)	/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50		(537.6)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30		(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

1. 4-Way Cassette Type S-140PU1E5 / U-140PEY1E8

INDOOR			MODEL	S-140PU1E5							
PANEL			MODEL	CZ-KPU2							
OUTDOOR			MODEL				U-140PEY1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.90	0.89	0.87	6.85	6.50	6.25	-	-
	INPUT POWER		W	115	115	115	4.245k	4.245k	4.245k	-	-
			TOTAL W		-		4.360k	4.360k	4.360k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	2180	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.21	3.21 / A	3.21	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A		46/40/34			-			
			Power Level dB		64/57/51			-			
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					71/-			
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.83	0.80	0.79	5.65	5.35	5.20	-	-
	INPUT POWER		W	105	105	105	3.495k	3.495k	3.495k	-	-
			TOTAL W		-		3.600k	3.600k	3.600k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.89	3.89 / A	3.89	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A		46/40/34			-		/	/
			Power Level dB		64/57/51			-			
	NOISE OUTDOOR (H/L)		dB-A		-			53/-		/	/
			Power Level dB		-			70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP						-				
MAX CURRENT(A)/MAX INPUT POWER(W)				0.90/115	0.89/115	0.87/115	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.85/3.0k	6.50/3.0k	6.25/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-			
FM OUTPUT (W)					90			90×2		/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0		(18.9)		-			
External static pressure			Pa		-						
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	36		(1271)					
	HEAT		m^3/min (ft^3/min)	36		(1271)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			319 12-9/16			1416 55-3/4			/	
	WIDTH : W mm(inch)			840 33-3/32			940 37-1/32			/	
	DEPTH : D mm(inch)			840 33-3/32			340 13-13/32			/	
PAC DIM	HEIGHT : H mm			361			1556			/	
	WIDTH : W mm			929			1055			/	
	DEPTH : D mm			929			485			/	
MASS	(NET) kg(lb)			27			98			/	
	(GROSS) kg(lb)			34			108			/	
LAYERS LIMIT (actually)				11 (12)			1 (2)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-10°C ~ 43°C				
	Heat O.D(DBT)			16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

2. 4-Way Cassette 60×60 Type S-36PY1E5×2 / U-71PEY1E5

INDOOR		MODEL	S-36PY1E5×2								
PANEL		MODEL	CZ-KPY2×2			-					
OUTDOOR		MODEL				U-71PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.0	7.7	
		BTU/h	24200	24200	24200				6800	26300	
	CURRENT	A	0.18×2	0.18×2	0.17×2	11.0	10.5	10.0	-	-	
	INPUT POWER	W	26×2	27×2	27×2	2.195k	2.195k	2.195k	-	-	
		TOTAL W	-			2.250k	2.250k	2.250k	325	2.900k	
	ANNUAL CONSUMPTION	TOTAL kWh※4	-			1125	1125	1125	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.15	3.15 / B	3.15	6.15	2.66	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.7	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	436	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	91	91	91	-	-	
	NOISE INDOOR	dB-A (H/M/L)	32/29/26								
		Power Level dB	49/46/42								
	NOISE OUTDOOR	dB-A (H/L)				50/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	7.1	7.1	7.1				1.8	8.1	
		BTU/h	24200	24200	24200				6100	27600	
	CURRENT	A	0.15×2	0.15×2	0.14×2	9.70	9.25	8.80	-	-	
	INPUT POWER	W	17×2	17×2	18×2	1.955k	1.955k	1.950k	-	-	
		TOTAL W	-			1.990k	1.990k	1.990k	275	2.700k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.56	3.56 / B	3.56	6.55	3.00	
	Erp ※6 Pdsign	kW	-	-	-	-	5.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-6	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2026	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	92	92	92	-	-	
	NOISE INDOOR	dB-A (H/M/L)	32/29/26			-			/	/	
		Power Level dB	49/46/42			-					
	NOISE OUTDOOR	dB-A (H/L)	-			52/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.18×2/26×2	0.18×2/27×2	0.17×2/27×2	18/3.64k	18/3.81k	18/3.97k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	11.0/2.2k	10.5/2.2k	10.0/2.2k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			20×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	9×2		(318)×2						
	HEAT	m³/min (ft³/min)	9×2		(318)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				39		(1377)			
	HEAT	m³/min (ft³/min)				39		(1377)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PROJECT	D I M	HEIGHT : H mm(inch)	283 (11-9/64)			569 (22-13/32)			/		
		WIDTH : W mm(inch)	575 (22-41/64)			790 (31-7/64)			/		
		DEPTH : D mm(inch)	575 (22-41/64)			285 (11-7/32)			/		
PACAM	D I M	HEIGHT : H mm	290 (11-27/64)			645			/		
		WIDTH : W mm	714 (28-7/64)			921			/		
		DEPTH : D mm	630 (24-51/64)			386			/		
MASS		(NET) kg(lb)	16 (35.3)			42 (93)			/		
		(GROSS) kg(lb)	19 (41.9)			46 (101)			/		
LAYERS LIMIT (actually)			11 (12)			4 (5)					
Operation Condition		Cool (DBT)	18°C ~ 32°C			-10°C ~ 43°C					
		Heat (DBT)	16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

2. 4-Way Cassette 60×60 Type S-50PY1E5×2 / U-100PEY1E5

INDOOR		MODEL	S-50PY1E5×2								
PANEL		MODEL	CZ-KPY2×2								
OUTDOOR		MODEL				U-100PEY1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.0	
		BTU/h	34100	34100	34100				9200	37500	
	CURRENT	A	0.29×2	0.29×2	0.28×2	17.1	16.4	15.7	-	-	
	INPUT POWER	W	37×2	38×2	38×2	3.550k	3.550k	3.550k	-	-	
		TOTAL W	-			3.630k	3.630k	3.630k	530	4.280k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1815k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.75	2.75 / D	2.75	5.09	2.57	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	574	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/37/33				-				
		Power Level dB	58/54/50				-				
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	12.4	
		BTU/h	34100	34100	34100				7200	42300	
	CURRENT	A	0.26×2	0.26×2	0.25×2	13.8	13.3	12.7	-	-	
	INPUT POWER	W	29×2	29×2	29×2	2.905k	2.905k	2.905k	-	-	
		TOTAL W	-			2.965k	2.965k	2.965k	410	4.280k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.37	3.37 / C	3.37	5.12	2.90	
	Erp ※6 Pdsign	kW	-	-	-	-	9.2	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3389	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/37/33				-		/	/	
		Power Level dB	58/54/50				-				
	NOISE OUTDOOR (H/L)	dB-A	-			54/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.29×2/37×2	0.29×2/38×2	0.28×2/38×2	25.0/5.300k	25.0/5.500k	25.0/5.700k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.1/1.7k	16.4/1.7k	15.7/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			20×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	12.5×2		(441)×2						
	HEAT	m^3/min (ft^3/min)	12.5×2		(441)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				76		(2684)			
	HEAT	m^3/min (ft^3/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO DIM	HEIGHT : H mm(inch)		283 11-9/64			996 (39-7/32)			/		
	WIDTH : W mm(inch)		575 22-41/64			940 (37-1/32)			/		
	DEPTH : D mm(inch)		575 22-41/64			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		290			1136			/		
	WIDTH : W mm		714			1055			/		
	DEPTH : D mm		630			485			/		
MASS	(NET) kg(lb)		16		(35)	73		(161)	/		
	(GROSS) kg(lb)		19		(42)	81		(179)	/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

2. 4-Way Cassette 60×60 Type S-50PY1E5×2 / U-100PEY1E8

INDOOR		MODEL	S-50PY1E5×2								
PANEL		MODEL	CZ-KPY2×2								
OUTDOOR		MODEL				U-100PEY1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.0	
		BTU/h	34100	34100	34100				9200	37500	
	CURRENT	A	0.29×2	0.29×2	0.28×2	5.85	5.55	5.40	-	-	
	INPUT POWER	W	37×2	38×2	38×2	3.550k	3.550k	3.550k	-	-	
		TOTAL W		-		3.630k	3.630k	3.630k	530	4.280k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1815k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.75	2.75 / D	2.75	5.09	2.57	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	583	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	92	92	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/37/33				-				
		Power Level dB	58/54/50				-				
	NOISE OUTDOOR (H/L)	dB-A					54/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	12.4	
		BTU/h	34100	34100	34100				7200	42300	
	CURRENT	A	0.26×2	0.26×2	0.25×2	4.75	4.55	4.40	-	-	
	INPUT POWER	W	29×2	29×2	29×2	2.905k	2.905k	2.905k	-	-	
		TOTAL W		-		2.965k	2.965k	2.965k	410	4.280k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.37	3.37 / C	3.37	5.12	2.90	
	Erp ※6 Pdsign	kW	-	-	-	-	9.2	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3389	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	93	92	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/37/33				-		/	/	
		Power Level dB	58/54/50				-				
	NOISE OUTDOOR (H/L)	dB-A		-			54/-		/	/	
		Power Level dB		-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP					-					
MAX CURRENT(A)/MAX INPUT POWER(W)			0.29×2/37×2	0.29×2/38×2	0.28×2/38×2	9.0/5.550k	9.0/5.800k	9.0/6.050k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.85/1.7k	5.55/1.7k	5.40/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				20×2			90		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m³/min (ft³/min)	12.5×2		(441)×2						
	HEAT	m³/min (ft³/min)	12.5×2		(441)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				76		(2684)			
	HEAT	m³/min (ft³/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO D	HEIGHT : H mm(inch)		283 11-9/64			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		575 22-41/64			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		575 22-41/64			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		290			1136			/		
PAC I	WIDTH : W mm		714			1055			/		
PAC M	DEPTH : D mm		630			485			/		
MASS	(NET) kg(lb)		16		(35)	73		(161)	/		
	(GROSS) kg(lb)		19		(42)	81		(179)	/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-36PT1E5×2 / U-71PEY1E5

INDOOR			MODEL	S-36PT1E5×2							
PANEL			MODEL								
OUTDOOR			MODEL				U-71PEY1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				2.0	7.7
			BTU/h	24200	24200	24200				6800	26300
	CURRENT		A	0.33×2	0.32×2	0.32×2	12.8	12.4	12.0	-	-
	INPUT POWER		W	31×2	31×2	31×2	2.645k	2.645k	2.645k	-	-
			TOTAL W	-			2.700k	2.700k	2.700k	325	3.300k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1350	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.63	2.63 / D	2.63	6.15	2.33
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	5.1	-		
		Annual consumption	kWh	-	-	-	-	487	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	93	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/30				-			
			Power Level dB	53/50/46				-			
	NOISE OUTDOOR (H/L)		dB-A					50/-			
			Power Level dB					70/-			
HEATING	CAPACITY		kW	7.1	7.1	7.1				1.8	8.1
			BTU/h	24200	24200	24200				6100	27600
	CURRENT		A	0.33×2	0.32×2	0.32×2	9.30	9.00	8.70	-	-
	INPUT POWER		W	31×2	31×2	31×2	1.915k	1.915k	1.915k	-	-
			TOTAL W	-			1.970k	1.970k	1.970k	275	2.600k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / B	3.60	6.55	3.12
	Erp ※6	Pdsign	kW	-	-	-	-	6.0	-		
		Tbivalen	°C	-	-	-	-	-6	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	2210	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	93	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	36/32/30				-		/	/
			Power Level dB	54/50/47				-			
	NOISE OUTDOOR (H/L)		dB-A	-				52/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.33×2/31×2	0.32×2/31×2	0.32×2/31×2	18/3.720k	18/3.850k	18/3.970k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	12.8/2.6k	12.4/2.6k	12.0/2.6k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				40×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2 (2.1×2)		(8.8)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	12×2		(424)×2					
	HEAT		m^3/min (ft^3/min)	12×2		(424)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				39		(1377)		
	HEAT		m^3/min (ft^3/min)				39		(1377)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	1.70k	(60.0)	/	
PRO DIM	HEIGHT : H mm(inch)			210		8-9/32	569		22-13/32	/	
	WIDTH : W mm(inch)			910		35-13/16	790		31-7/64	/	
	DEPTH : D mm(inch)			680		26-25/32	285		11-7/32	/	
PAC DIM	HEIGHT : H mm			280			645			/	
	WIDTH : W mm			985			921			/	
	DEPTH : D mm			780			386			/	
MASS	(NET) kg(lb)			21		(46)	42		(93)	/	
	(GROSS) kg(lb)			24		(53)	46		(101)	/	
LAYERS LIMIT (actually)				11 (12)			4 (5)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			40			(0.430)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20			(65.6)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-50PT1E5×2 / U-100PEY1E5

INDOOR		MODEL	S-50PT1E5×2								
PANEL		MODEL									
OUTDOOR		MODEL				U-100PEY1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	0.42×2	0.41×2	0.41×2	16.2	15.5	14.6	-	-	
	INPUT POWER	W	41×2	41×2	41×2	3.377k	3.376k	3.375k	-	-	
		TOTAL W	-			3.460k	3.460k	3.460k	530	4.200k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1730k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.89	2.89 / C	2.89	5.09	2.74	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	593	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	95	95	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/33/30				-				
		Power Level dB	57/51/46				-				
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	0.42×2	0.41×2	0.41×2	12.6	12.0	11.5	-	-	
	INPUT POWER	W	41×2	41×2	41×2	2.628k	2.627k	2.626k	-	-	
		TOTAL W	-			2.710k	2.710k	2.710k	410	4.000k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.69	3.69 / A	3.69	5.12	3.45	
	Erp ※6 Pdsign	kW	-	-	-	-	9.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3500	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/34/30				-		/	/	
		Power Level dB	57/51/47				-				
	NOISE OUTDOOR (H/L)	dB-A	-			54/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×2/41×2	0.41×2/41×2	0.41×2/41×2	25.0/5.300k	25.0/5.500k	25.0/5.700k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	16.2/1.7k	15.5/1.7k	14.6/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×2		(494)×2						
	HEAT	m³/min (ft³/min)	14×2		(494)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				76		(2684)			
	HEAT	m³/min (ft³/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO D	HEIGHT : H mm(inch)		210 8-9/32			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		910 35-13/16			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 26-25/32			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1136			/		
PAC I	WIDTH : W mm		985			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			73		(161)	/		
	(GROSS) kg(lb)		24 (53)			81		(179)	/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-60PT1E5 / U-60PEY1E5

INDOOR		MODEL	S-60PT1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-60PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.0	7.0	
		BTU/h	20500	20500	20500				6800	23900	
	CURRENT	A	0.53	0.52	0.52	9.75	9.40	9.10	-	-	
	INPUT POWER	W	52	52	52	2.015k	2.015k	2.015k	-	-	
		TOTAL W	-			2.070k	2.070k	2.070k	325	2.900k	
	ANNUAL CONSUMPTION	TOTAL kWh※4	-			-	1035	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.90	2.90 / C	2.90	6.15	2.41	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.5	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	382	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	93	92	-	-	
	NOISE INDOOR	dB-A (H/M/L)	39/36/33								
		Power Level dB	58/53/50								
	NOISE OUTDOOR	dB-A (H/L)				46/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	6.0	6.0	6.0				1.8	7.0	
		BTU/h	20500	20500	20500				6100	23900	
	CURRENT	A	0.53	0.52	0.52	6.90	6.65	6.45	-	-	
	INPUT POWER	W	52	52	52	1.425k	1.425k	1.425k	-	-	
		TOTAL W	-			1.480k	1.480k	1.480k	275	2.155k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.05	4.05 / A	4.05	6.55	3.25	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-6	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2210	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	93	92	-	-	
	NOISE INDOOR	dB-A (H/M/L)	40/36/33			-			／	／	
		Power Level dB	58/53/50			-					
	NOISE OUTDOOR	dB-A (H/L)	-			50/-			／	／	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.53/52	0.52/52	0.52/52	18/3.720k	18/3.850k	18/3.970k	／		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	9.75/2.0k	9.40/2.0k	9.10/2.0k	／		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40			90			／		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.4		(7.1)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	19		(671)						
	HEAT	m^3/min (ft^3/min)	19		(671)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				30		(1059)			
	HEAT	m^3/min (ft^3/min)				35		(1236)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)		／	
PRO D	HEIGHT : H mm(inch)		210 (8-9/32)			569 (22-13/32)				／	
PRO I	WIDTH : W mm(inch)		1180 (46-15/32)			790 (31-7/64)				／	
PRO M	DEPTH : D mm(inch)		680 (26-25/32)			285 (11-7/32)				／	
PAC D	HEIGHT : H mm		280			645				／	
PAC I	WIDTH : W mm		1255			921				／	
PAC M	DEPTH : D mm		780			386				／	
MASS	(NET) kg(lb)		25 (55)			42 (93)				／	
	(GROSS) kg(lb)		28 (62)			46 (101)				／	
LAYERS LIMIT (actually)			11 (12)			4 (5)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat (DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-60PT1E5×2 / U-125PEY1E5

INDOOR			MODEL	S-60PT1E5×2							
PANEL			MODEL								
OUTDOOR			MODEL				U-125PEY1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	0.53×2	0.52×2	0.52×2	20.4	19.5	18.7	-	-
	INPUT POWER		W	52×2	52×2	52×2	4.225k	4.224k	4.222k	-	-
			TOTAL W	-			4.330k	4.330k	4.330k	900	5.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2165k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.89	2.89 / C	2.89	4.22	2.70
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	39/36/33			-				
			Power Level dB	58/53/50			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	0.53×2	0.52×2	0.52×2	15.8	15.1	14.4	-	-
	INPUT POWER		W	52×2	52×2	52×2	3.296k	3.295k	3.294k	-	-
			TOTAL W	-			3.400k	3.400k	3.400k	730	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.68	3.68 / A	3.68	4.66	3.41
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/36/33			-			/	/
			Power Level dB	58/53/50			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.53×2/52×2	0.52×2/52×2	0.52×2/52×2	29.0/6.000k	29.0/6.300k	29.0/6.600k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	20.4/3.0k	19.5/3.0k	18.7/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				40×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	19×2		(671)×2					
	HEAT		m^3/min (ft^3/min)	19×2		(671)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO D	HEIGHT : H mm(inch)			210 8-9/32			996 (39-7/32)			/	
PRO I	WIDTH : W mm(inch)			1180 46-15/32			940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			680 26-25/32			340 (13-13/32)			/	
PAC D	HEIGHT : H mm			280			1136			/	
PAC I	WIDTH : W mm			1255			1055			/	
PAC M	DEPTH : D mm			780			485			/	
MASS	(NET) kg(lb)			25 (55)			85		(188)	/	
	(GROSS) kg(lb)			28 (62)			93		(205)	/	
LAYERS LIMIT (actually)				11 (12)			2 (3)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C				
		Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-71PT1E5 / U-71PEY1E5

INDOOR		MODEL	S-71PT1E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-71PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.0	7.7	
		BTU/h	24200	24200	24200				6800	26300	
	CURRENT	A	0.53	0.52	0.52	12.8	12.4	12.0	-	-	
	INPUT POWER	W	52	52	52	2.645k	2.645k	2.645k	-	-	
		TOTAL W	-			2.700k	2.700k	2.700k	325	3.300k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1350	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.63	2.63 / D	2.63	6.15	2.33	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	487	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	93	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/36/33				-				
		Power Level dB	58/53/50				-				
	NOISE OUTDOOR (H/L)	dB-A					50/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	7.1	7.1	7.1				1.8	8.1	
		BTU/h	24200	24200	24200				6100	27600	
	CURRENT	A	0.53	0.52	0.52	9.30	9.00	8.70	-	-	
	INPUT POWER	W	52	52	52	1.915k	1.915k	1.915k	-	-	
		TOTAL W	-			1.970k	1.970k	1.970k	275	2.600k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / B	3.60	6.55	3.12	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-6	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2210	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	93	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/33				-		/	/	
		Power Level dB	58/53/50				-				
	NOISE OUTDOOR (H/L)	dB-A	-				52/-		/	/	
		Power Level dB	-				70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.53/52	0.52/52	0.52/52	18/3.720k	18/3.850k	18/3.970k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	12.8/2.6k	12.4/2.6k	12.0/2.6k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	19		(671)						
	HEAT	m^3/min (ft^3/min)	19		(671)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				39		(1377)			
	HEAT	m^3/min (ft^3/min)				39		(1377)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PROJECT	HEIGHT : H mm(inch)		210		8-9/32	569		22-13/32	/		
	WIDTH : W mm(inch)		1180		46-15/32	790		31-7/64	/		
	DEPTH : D mm(inch)		680		26-25/32	285		11-7/32	/		
PACKAGE	HEIGHT : H mm		280			645			/		
	WIDTH : W mm		1255			921			/		
	DEPTH : D mm		780			386			/		
MASS	(NET) kg(lb)		25		(55)	42		(93)	/		
	(GROSS) kg(lb)		28		(62)	46		(101)	/		
LAYERS LIMIT (actually)			11 (12)			4 (5)					
Operation Condition		Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C					
		Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-100PT1E5 / U-100PEY1E5

INDOOR		MODEL	S-100PT1E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-100PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	0.62	0.57	0.53	16.2	15.5	14.6	-	-	
	INPUT POWER	W	73	74	75	3.377k	3.376k	3.375k	-	-	
		TOTAL W		-		3.450k	3.450k	3.450k	530	4.200k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1725k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.90	2.90 / C	2.90	5.09	2.74	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	564	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	95	95	96	-	-	
	NOISE INDOOR (H/M/L)	dB-A		42/38/35			-				
		Power Level dB		61/56/53			-				
	NOISE OUTDOOR (H/L)	dB-A					54/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	0.62	0.57	0.55	12.6	12.0	11.5	-	-	
	INPUT POWER	W	72	73	74	2.628k	2.627k	2.626k	-	-	
		TOTAL W		-		2.700k	2.700k	2.700k	410	4.000k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	5.12	3.45	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-8	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3684	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		44/39/36			-		/	/	
		Power Level dB		62/56/53			-				
	NOISE OUTDOOR (H/L)	dB-A		-			54/-		/	/	
		Power Level dB		-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.62/73	0.57/74	0.55/75	25.0/5.300k	25.0/5.500k	25.0/5.700k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	16.2/1.7k	15.5/1.7k	14.6/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0		(12.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	33		(1165)						
	HEAT	m^3/min (ft^3/min)	33		(1165)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				76		(2684)			
	HEAT	m^3/min (ft^3/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO DIM	HEIGHT : H mm(inch)		210 8-9/32			996 (39-7/32)			/		
	WIDTH : W mm(inch)		1595 62-25/32			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 26-25/32			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		280			1136			/		
	WIDTH : W mm		1670			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		33 (73)			73		(161)	/		
	(GROSS) kg(lb)		37 (82)			81		(179)	/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-125PT1E5 / U-125PEY1E5

INDOOR		MODEL	S-125PT1E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-125PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.8	13.5	
		BTU/h	42700	42700	42700				13000	46100	
	CURRENT	A	0.69	0.63	0.60	20.4	19.5	18.7	-	-	
	INPUT POWER	W	85	86	88	4.225k	4.224k	4.222k	-	-	
		TOTAL W		-		4.310k	4.310k	4.310k	900	5.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2155k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.90	2.90 / C	2.90	4.22	2.70	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A		45/40/37			-				
		Power Level dB		63/58/55			-				
	NOISE OUTDOOR (H/L)	dB-A					56/-				
		Power Level dB					73/-				
HEATING	CAPACITY	kW	12.5	12.5	12.5				3.4	15.0	
		BTU/h	42700	42700	42700				11600	51200	
	CURRENT	A	0.69	0.63	0.62	15.8	15.1	14.4	-	-	
	INPUT POWER	W	84	85	86	3.296k	3.295k	3.294k	-	-	
		TOTAL W		-		3.380k	3.380k	3.380k	730	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	4.66	3.41	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	95	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		46/41/38			-		/	/	
		Power Level dB		64/58/55			-				
	NOISE OUTDOOR (H/L)	dB-A		-			56/-		/	/	
		Power Level dB		-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP					-					
MAX CURRENT(A)/MAX INPUT POWER(W)			0.69/85	0.63/86	0.62/88	29.0/6.000k	29.0/6.300k	29.0/6.600k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	20.4/3.0k	19.5/3.0k	18.7/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	35		(1236)						
	HEAT	m^3/min (ft^3/min)	35		(1236)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				80		(2825)			
	HEAT	m^3/min (ft^3/min)				73		(2578)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.20k	(112.9)		/	
PROJECT	HEIGHT : H mm(inch)		210 8-9/32			996 (39-7/32)				/	
	WIDTH : W mm(inch)		1595 62-25/32			940 (37-1/32)				/	
	DEPTH : D mm(inch)		680 26-25/32			340 (13-13/32)				/	
PACK	HEIGHT : H mm		280			1136				/	
	WIDTH : W mm		1670			1055				/	
	DEPTH : D mm		780			485				/	
MASS	(NET) kg(lb)		33 (73)			85		(188)		/	
	(GROSS) kg(lb)		37 (82)			93		(205)		/	
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-50PT1E5×2 / U-100PEY1E8

INDOOR		MODEL	S-50PT1E5×2								
PANEL		MODEL									
OUTDOOR		MODEL				U-100PEY1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	0.42×2	0.41×2	0.41×2	5.42	5.20	4.95	-	-	
	INPUT POWER	W	41×2	41×2	41×2	3.377k	3.376k	3.375k	-	-	
		TOTAL W	-			3.460k	3.460k	3.460k	530	4.200k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1730k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.89	2.89 / C	2.89	5.09	2.74	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.7	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	614	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	94	94	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/33/30				-				
		Power Level dB	57/51/46				-				
	NOISE OUTDOOR (H/L)	dB-A					54/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	0.42×2	0.41×2	0.41×2	4.30	4.05	3.90	-	-	
	INPUT POWER	W	41×2	41×2	41×2	2.628k	2.627k	2.626k	-	-	
		TOTAL W	-			2.710k	2.710k	2.710k	410	4.000k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.69	3.69 / A	3.69	5.12	3.45	
	Erp ※6 Pdsign	kW	-	-	-	-	9.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3500	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	93	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/34/30				-		/	/	
		Power Level dB	57/51/47				-				
	NOISE OUTDOOR (H/L)	dB-A	-				54/-		/	/	
		Power Level dB	-				70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×2/41×2	0.41×2/41×2	0.41×2/41×2	9.0/5.550k	9.0/5.800k	9.0/6.050k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.45/1.7k	5.20/1.7k	4.95/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×2		(494)×2						
	HEAT	m³/min (ft³/min)	14×2		(494)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				76		(2684)			
	HEAT	m³/min (ft³/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO D	HEIGHT : H mm(inch)		210 8-9/32			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		910 35-13/16			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 26-25/32			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1136			/		
PAC I	WIDTH : W mm		985			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		21 (46)			73		(161)	/		
	(GROSS) kg(lb)		24 (53)			81		(179)	/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-60PT1E5×2 / U-125PEY1E8

INDOOR		MODEL	S-60PT1E5×2								
PANEL		MODEL									
OUTDOOR		MODEL				U-125PEY1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.8	13.5	
		BTU/h	42700	42700	42700				13000	46100	
	CURRENT	A	0.53×2	0.52×2	0.52×2	6.75	6.45	6.20	-	-	
	INPUT POWER	W	52×2	52×2	52×2	4.225k	4.224k	4.222k	-	-	
		TOTAL W	-			4.330k	4.330k	4.330k	900	5.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2165k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.89	2.89 / C	2.89	4.22	2.70	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	95	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/36/33			-					
		Power Level dB	58/53/50			-					
	NOISE OUTDOOR (H/L)	dB-A				56/-					
		Power Level dB				73/-					
HEATING	CAPACITY	kW	12.5	12.5	12.5				3.4	15.0	
		BTU/h	42700	42700	42700				11600	51200	
	CURRENT	A	0.53×2	0.52×2	0.52×2	5.25	5.00	4.80	-	-	
	INPUT POWER	W	52×2	52×2	52×2	3.296k	3.295k	3.294k	-	-	
		TOTAL W	-			3.400k	3.400k	3.400k	730	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.68	3.68 / A	3.68	4.66	3.41	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	95	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/33			-			/	/	
		Power Level dB	58/53/50			-					
	NOISE OUTDOOR (H/L)	dB-A	-			56/-			/	/	
		Power Level dB	-			73/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.53×2/52×2	0.52×2/52×2	0.52×2/52×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.75/3.0k	6.45/3.0k	6.20/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	19×2	(671)×2							
	HEAT	m^3/min (ft^3/min)	19×2	(671)×2							
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				80	(2825)				
	HEAT	m^3/min (ft^3/min)				73	(2578)				
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.20k	(112.9)	/		
PROJECT	HEIGHT : H mm(inch)		210 8-9/32			996 (39-7/32)			/		
	WIDTH : W mm(inch)		1180 46-15/32			940 (37-1/32)			/		
	DEPTH : D mm(inch)		680 26-25/32			340 (13-13/32)			/		
PACAM	HEIGHT : H mm		280			1136			/		
	WIDTH : W mm		1255			1055			/		
	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		25 (55)			85	(188)		/		
	(GROSS) kg(lb)		28 (62)			93	(205)		/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-71PT1E5×2 / U-140PEY1E8

INDOOR		MODEL	S-71PT1E5×2								
PANEL		MODEL									
OUTDOOR		MODEL				U-140PEY1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN12102								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.53×2	0.52×2	0.52×2	7.70	7.30	7.10	-	-	
	INPUT POWER	W	52×2	52×2	52×2	4.755k	4.754k	4.752k	-	-	
		TOTAL W	-			4.860k	4.860k	4.860k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2430	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.88	2.88 / C	2.88	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/36/33			-					
		Power Level dB	58/53/50			-					
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.53×2	0.52×2	0.52×2	5.90	5.60	5.45	-	-	
	INPUT POWER	W	52×2	52×2	52×2	3.666k	3.665k	3.664k	-	-	
		TOTAL W	-			3.770k	3.770k	3.770k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.71	3.71 / A	3.71	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/33			-			/	/	
		Power Level dB	58/53/50			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.53×2/52×2	0.52×2/52×2	0.52×2/52×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.70/3.0k	7.30/3.0k	7.10/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			40			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	19×2	(671)×2							
	HEAT	m³/min (ft³/min)	19×2	(671)×2							
O/D AIR FLOW	COOL	m³/min (ft³/min)				135	(4767)				
	HEAT	m³/min (ft³/min)				120	(4238)				
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		210 8-9/32			1416 55-3/4			/		
PRO I	WIDTH : W mm(inch)		1180 35-13/16			940 37-1/32			/		
PRO M	DEPTH : D mm(inch)		680 26-25/32			340 13-13/32			/		
PAC D	HEIGHT : H mm		280			1556			/		
PAC I	WIDTH : W mm		1255			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		25			98			/		
	(GROSS) kg(lb)		28			108			/		
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-100PT1E5 / U-100PEY1E8

INDOOR		MODEL	S-100PT1E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-100PEY1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	0.62	0.57	0.53	5.45	5.20	4.95	-	-	
	INPUT POWER	W	73	74	75	3.377k	3.376k	3.375k	-	-	
		TOTAL W	-			3.450k	3.450k	3.450k	530	4.200k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1725k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.90	2.90 / C	2.90	5.09	2.74	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	583	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	94	94	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	42/38/35			-					
		Power Level dB	61/56/53			-					
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	0.62	0.57	0.55	4.30	4.05	3.90	-	-	
	INPUT POWER	W	72	73	74	2.628k	2.627k	2.626k	-	-	
		TOTAL W	-			2.700k	2.700k	2.700k	410	4.000k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	5.12	3.45	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-8	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3684	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	93	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/39/36			-			/	/	
		Power Level dB	62/56/53			-					
	NOISE OUTDOOR (H/L)	dB-A	-			54/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.62/73	0.57/74	0.55/75	9.0/5.550k	9.0/5.800k	9.0/6.050k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.45/1.7k	5.20/1.7k	4.95/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			90			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	33		(1165)						
	HEAT	m^3/min (ft^3/min)	33		(1165)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				76		(2684)			
	HEAT	m^3/min (ft^3/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO D	HEIGHT : H mm(inch)		210 8-9/32			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		1595 62-25/32			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		680 26-25/32			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		280			1136			/		
PAC I	WIDTH : W mm		1670			1055			/		
PAC M	DEPTH : D mm		780			485			/		
MASS	(NET) kg(lb)		33 (73)			73		(161)	/		
	(GROSS) kg(lb)		37 (82)			81		(179)	/		
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-125PT1E5 / U-125PEY1E8

INDOOR		MODEL	S-125PT1E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-125PEY1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.8	13.5	
		BTU/h	42700	42700	42700				13000	46100	
	CURRENT	A	0.69	0.63	0.60	6.75	6.45	6.20	-	-	
	INPUT POWER	W	85	86	88	4.225k	4.224k	4.222k	-	-	
		TOTAL W		-		4.310k	4.310k	4.310k	900	5.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2155k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.90	2.90 / C	2.90	4.22	2.70	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	95	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		45/40/37			-				
		Power Level dB		63/58/55			-				
	NOISE OUTDOOR (H/L)	dB-A					56/-				
		Power Level dB					73/-				
HEATING	CAPACITY	kW	12.5	12.5	12.5				3.4	15.0	
		BTU/h	42700	42700	42700				11600	51200	
	CURRENT	A	0.69	0.63	0.62	5.25	5.00	4.80	-	-	
	INPUT POWER	W	84	85	86	3.296k	3.295k	3.294k	-	-	
		TOTAL W		-		3.380k	3.380k	3.380k	730	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.70	3.70 / A	3.70	4.66	3.41	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	95	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A		46/41/38			-		/	/	
		Power Level dB		64/58/55			-				
	NOISE OUTDOOR (H/L)	dB-A		-			56/-		/	/	
		Power Level dB		-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.69/85	0.63/86	0.62/88	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.75/3.0k	6.45/3.0k	6.20/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	35		(1236)						
	HEAT	m^3/min (ft^3/min)	35		(1236)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				80		(2825)			
	HEAT	m^3/min (ft^3/min)				73		(2578)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.20k	(112.9)		/	
PRO DIM	HEIGHT : H mm(inch)		210 8-9/32			996 (39-7/32)				/	
	WIDTH : W mm(inch)		1595 62-25/32			940 (37-1/32)				/	
	DEPTH : D mm(inch)		680 26-25/32			340 (13-13/32)				/	
PAC DIM	HEIGHT : H mm		280			1136				/	
	WIDTH : W mm		1670			1055				/	
	DEPTH : D mm		780			485				/	
MASS	(NET) kg(lb)		33 (73)			85		(188)		/	
	(GROSS) kg(lb)		37 (82)			93		(205)		/	
LAYERS LIMIT (actually)			11 (12)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single -Type

1-1. Unit Specifications

PEY1

3. Ceiling Type S-140PT1E5 / U-140PEY1E8

INDOOR		MODEL	S-140PT1E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-140PEY1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN12102								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.5	
		BTU/h	47800	47800	47800				11300	52900	
	CURRENT	A	0.80	0.73	0.70	7.70	7.30	7.10	-	-	
	INPUT POWER	W	95	96	98	4.755k	4.754k	4.752k	-	-	
		TOTAL W		-		4.850k	4.850k	4.850k	840	6.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2425	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.89	2.89 / C	2.89	3.93	2.58	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A		46/41/38			-				
		Power Level dB		64/59/56			-				
	NOISE OUTDOOR (H/L)	dB-A					54/-				
		Power Level dB					71/-				
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.80	0.73	0.72	5.90	5.60	5.45	-	-	
	INPUT POWER	W	94	95	96	3.666k	3.665k	3.664k	-	-	
		TOTAL W		-		3.760k	3.760k	3.760k	900	5.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.72	3.72 / A	3.72	4.56	3.08	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A		47/43/39			-		/	/	
		Power Level dB		65/60/56			-				
	NOISE OUTDOOR (H/L)	dB-A		-			53/-		/	/	
		Power Level dB		-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.80/95	0.73/96	0.72/98	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.70/3.0k	7.30/3.0k	7.10/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				90			90×2		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0		(18.9)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	36		(1271)						
	HEAT	m^3/min (ft^3/min)	36		(1271)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)		/	
PROJECT	D I M	HEIGHT : H mm(inch)	210 8-9/32			1416 55-3/4				/	
		WIDTH : W mm(inch)	1595 62-25/32			940 37-1/32				/	
		DEPTH : D mm(inch)	680 26-25/32			340 13-13/32				/	
PACAKING	D I M	HEIGHT : H mm	280			1556				/	
		WIDTH : W mm	1670			1055				/	
		DEPTH : D mm	780			485				/	
MASS		(NET) kg(lb)	33			98				/	
		(GROSS) kg(lb)	37			108				/	
LAYERS LIMIT (actually)			11 (12)			1 (2)					
Operation Condition		Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C					
		Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-36PT2E5×2 / U-71PEY1E5

INDOOR		MODEL	S-36PT2E5×2								
PANEL		MODEL									
OUTDOOR		MODEL				U-71PEY1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.0	7.7	
		BTU/h	24200	24200	24200				6800	26300	
	CURRENT	A	0.37×2	0.36×2	0.35×2	10.8	10.3	9.85	-	-	
	INPUT POWER	W	35×2	35×2	35×2	2.155k	2.155k	2.155k	-	-	
		TOTAL W	-			2.225k	2.225k	2.225k	325	2.820k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	1113	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.19	3.19 / B	3.19	6.15	2.73	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	408	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	91	91	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29				-				
		Power Level dB	54/50/47				-				
	NOISE OUTDOOR (H/L)	dB-A					50/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	7.1	7.1	7.1				1.8	8.1	
		BTU/h	24200	24200	24200				6100	27600	
	CURRENT	A	0.37×2	0.36×2	0.35×2	8.75	8.35	8.00	-	-	
	INPUT POWER	W	35×2	35×2	35×2	1.765k	1.765k	1.765k	-	-	
		TOTAL W	-			1.835k	1.835k	1.835k	275	2.510k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.87	3.87 / A	3.87	6.55	3.23	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-6	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2100	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	92	92	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	36/32/29				-		/	/	
		Power Level dB	54/50/47				-				
	NOISE OUTDOOR (H/L)	dB-A	-				52/-		/	/	
		Power Level dB	-				70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.37×2/35×2	0.36×2/35×2	0.35×2/35×2	18.0/3.60k	18.0/3.77k	18.0/3.93k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	10.8/1.0k	10.3/1.0k	9.85/1.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×2		(494)×2						
	HEAT	m³/min (ft³/min)	14×2		(494)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				39		(1377)			
	HEAT	m³/min (ft³/min)				39		(1377)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	569	22-13/32		/		
PRO I	WIDTH : W mm(inch)		960		37-25/32	790	31-7/64		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	285	11-7/32		/		
PAC D	HEIGHT : H mm		360			645			/		
PAC I	WIDTH : W mm		1025			921			/		
PAC M	DEPTH : D mm		820			386			/		
MASS	(NET) kg(lb)		27		(60)	42		(93)	/		
	(GROSS) kg(lb)		34		(75)	46		(101)	/		
LAYERS LIMIT (actually)			9 (10)			4 (5)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-50PT2E5×2 / U-100PEY1E5

INDOOR		MODEL	S-50PT2E5×2								
PANEL		MODEL									
OUTDOOR		MODEL				U-100PEY1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	0.39×2	0.38×2	0.37×2	15.6	15.0	14.4	-	-	
	INPUT POWER	W	40×2	40×2	40×2	3.240k	3.240k	3.240k	-	-	
		TOTAL W	-			3.320k	3.320k	3.320k	530	4.340k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	1660	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	5.09	2.65	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	594	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29				-				
		Power Level dB	55/51/47				-				
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	0.39×2	0.38×2	0.37×2	11.9	11.5	11.1	-	-	
	INPUT POWER	W	40×2	40×2	40×2	2.520k	2.520k	2.520k	-	-	
		TOTAL W	-			2.600k	2.600k	2.600k	410	4.000k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	5.12	3.45	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3590	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29				-		/	/	
		Power Level dB	55/51/47				-				
	NOISE OUTDOOR (H/L)	dB-A	-			54/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.39×2/40×2	0.38×2/40×2	0.37×2/40×2	25.0/5.17k	25.0/5.41k	25.0/5.64k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	15.6/1.7k	15.0/1.7k	14.4/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	15×2		(530)×2						
	HEAT	m^3/min (ft^3/min)	15×2		(530)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				76		(2684)			
	HEAT	m^3/min (ft^3/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	996	39-7/32		/		
PRO I	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1136			/		
PAC I	WIDTH : W mm		1025			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	73		(161)	/		
	(GROSS) kg(lb)		34		(75)	81		(179)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-60PT2E5 / U-60PEY1E5

INDOOR		MODEL	S-60PT2E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-60PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.0	7.0	
		BTU/h	20500	20500	20500				6800	23900	
	CURRENT	A	0.42	0.41	0.40	8.05	7.70	7.40	-	-	
	INPUT POWER	W	50	50	50	1.610k	1.610k	1.610k	-	-	
		TOTAL W	-			1.660k	1.660k	1.660k	325	2.500k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	830	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.61	3.61 / A	3.61	6.15	2.80	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.7	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	314	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	91	91	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30				-				
		Power Level dB	56/52/48				-				
	NOISE OUTDOOR (H/L)	dB-A					46/-				
		Power Level dB					65/-				
HEATING	CAPACITY	kW	6.0	6.0	6.0				1.8	7.0	
		BTU/h	20500	20500	20500				6100	23900	
	CURRENT	A	0.42	0.41	0.40	6.90	6.60	6.30	-	-	
	INPUT POWER	W	50	50	50	1.380k	1.380k	1.380k	-	-	
		TOTAL W	-			1.430k	1.430k	1.430k	275	2.155k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.20	4.20 / A	4.20	6.55	3.25	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-6	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2100	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	91	91	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30				-		/	/	
		Power Level dB	56/52/48				-				
	NOISE OUTDOOR (H/L)	dB-A	-				50/-		/	/	
		Power Level dB	-				69/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42/50	0.41/50	0.40/50	18.0/3.60k	18.0/3.77k	18.0/3.93k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	8.05/1.0k	7.70/1.0k	7.40/1.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.4		(7.1)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	20		(706)						
	HEAT	m^3/min (ft^3/min)	20		(706)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				30		(1059)			
	HEAT	m^3/min (ft^3/min)				35		(1236)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	569		22-13/32	/		
PRO I	WIDTH : W mm(inch)		1275		50-3/16	790		31-7/64	/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	285		11-7/32	/		
PAC D	HEIGHT : H mm		360			645			/		
PAC I	WIDTH : W mm		1340			921			/		
PAC M	DEPTH : D mm		820			386			/		
MASS	(NET) kg(lb)		33		(73)	42		(93)	/		
	(GROSS) kg(lb)		42		(93)	46		(101)	/		
LAYERS LIMIT (actually)			9 (10)			4 (5)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-60PT2E5×2 / U-125PEY1E5

INDOOR		MODEL	S-60PT2E5×2								
PANEL		MODEL									
OUTDOOR		MODEL				U-125PEY1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.8	13.5	
		BTU/h	42700	42700	42700				13000	46100	
	CURRENT	A	0.42×2	0.41×2	0.40×2	19.7	18.9	18.1	-	-	
	INPUT POWER	W	50×2	50×2	50×2	4.050k	4.050k	4.050k	-	-	
		TOTAL W	-			4.150k	4.150k	4.150k	900	5.160k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	2075	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	4.22	2.62	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30			-					
		Power Level dB	56/52/48			-					
	NOISE OUTDOOR (H/L)	dB-A				56/-					
		Power Level dB				73/-					
HEATING	CAPACITY	kW	12.5	12.5	12.5				3.4	15.0	
		BTU/h	42700	42700	42700				11600	51200	
	CURRENT	A	0.42×2	0.41×2	0.40×2	15.2	14.6	13.9	-	-	
	INPUT POWER	W	50×2	50×2	50×2	3.150k	3.150k	3.150k	-	-	
		TOTAL W	-			3.250k	3.250k	3.250k	730	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	4.66	3.41	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30			-			/	/	
		Power Level dB	56/52/48			-					
	NOISE OUTDOOR (H/L)	dB-A	-			56/-			/	/	
		Power Level dB	-			73/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×2/50×2	0.41×2/50×2	0.40×2/50×2	29.0/5.93k	29.0/6.20k	29.0/6.47k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	19.7/3.0k	18.9/3.0k	18.1/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	20×2		(706)×2						
	HEAT	m^3/min (ft^3/min)	20×2		(706)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				80		(2825)			
	HEAT	m^3/min (ft^3/min)				73		(2578)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.20k	(112.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	996		39-7/32	/		
	WIDTH : W mm(inch)		1275		50-3/16	940		37-1/32	/		
	DEPTH : D mm(inch)		690		27-5/32	340		13-13/32	/		
PAC DIM	HEIGHT : H mm		360			1136			/		
	WIDTH : W mm		1340			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		33		(73)	85		(187)	/		
	(GROSS) kg(lb)		42		(93)	93		(205)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-71PT2E5 / U-71PEY1E5

INDOOR		MODEL	S-71PT2E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-71PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.0	7.7	
		BTU/h	24200	24200	24200				6800	26300	
	CURRENT	A	0.45	0.44	0.43	10.8	10.3	9.85	-	-	
	INPUT POWER	W	55	55	55	2.155k	2.155k	2.155k	-	-	
		TOTAL W	-			2.210k	2.210k	2.210k	325	2.820k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	1105	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.21	3.21 / A	3.21	6.15	2.73	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	408	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	91	91	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31				-				
		Power Level dB	57/53/49				-				
	NOISE OUTDOOR (H/L)	dB-A					50/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	7.1	7.1	7.1				1.8	8.1	
		BTU/h	24200	24200	24200				6100	27600	
	CURRENT	A	0.45	0.44	0.43	8.75	8.35	8.00	-	-	
	INPUT POWER	W	55	55	55	1.765k	1.765k	1.765k	-	-	
		TOTAL W	-			1.820k	1.820k	1.820k	275	2.510k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.90	3.90 / A	3.90	6.55	3.23	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-6	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	4.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2100	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	92	92	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31				-		/	/	
		Power Level dB	57/53/49				-				
	NOISE OUTDOOR (H/L)	dB-A	-				52/-		/	/	
		Power Level dB	-				70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.45/55	0.44/55	0.43/55	18.0/3.60k	18.0/3.77k	18.0/3.93k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	10.8/1.0k	10.3/1.0k	9.85/1.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	21		(742)						
	HEAT	m^3/min (ft^3/min)	21		(742)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				39		(1377)			
	HEAT	m^3/min (ft^3/min)				39		(1377)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	569		22-13/32	/		
PRO I	WIDTH : W mm(inch)		1275		50-3/16	790		31-7/64	/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	285		11-7/32	/		
PAC D	HEIGHT : H mm		360			645			/		
PAC I	WIDTH : W mm		1340			921			/		
PAC M	DEPTH : D mm		820			386			/		
MASS	(NET) kg(lb)		33		(73)	42		(93)	/		
	(GROSS) kg(lb)		42		(93)	46		(101)	/		
LAYERS LIMIT (actually)			9 (10)			4 (5)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-100PT2E5 / U-100PEY1E5

INDOOR		MODEL	S-100PT2E5								
PANEL		MODEL									
OUTDOOR		MODEL				U100PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	0.69	0.67	0.65	15.6	15.0	14.4	-	-	
	INPUT POWER	W	80	80	80	3.240k	3.240k	3.240k	-	-	
		TOTAL W	-			3.320k	3.320k	3.320k	530	4.340k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	1660	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	5.09	2.65	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	574	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	42/37/35				-				
		Power Level dB	60/55/53				-				
	NOISE OUTDOOR (H/L)	dB-A					54/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	0.69	0.67	0.65	11.9	11.5	11.1	-	-	
	INPUT POWER	W	80	80	80	2.520k	2.520k	2.520k	-	-	
		TOTAL W	-			2.600k	2.600k	2.600k	410	4.000k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	5.12	3.45	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3590	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	42/37/35				-		/	/	
		Power Level dB	60/55/53				-				
	NOISE OUTDOOR (H/L)	dB-A	-				54/-		/	/	
		Power Level dB	-				70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.69/80	0.67/80	0.65/80	25.0/5.17k	25.0/5.41k	25.0/5.64k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	15.6/1.7k	15.0/1.7k	14.4/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	30		(1059)						
	HEAT	m³/min (ft³/min)	30		(1059)						
O/D AIR FLOW	COOL	m³/min (ft³/min)				76		(2684)			
	HEAT	m³/min (ft³/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	996	39-7/32		/		
PRO I	WIDTH : W mm(inch)		1590		62-19/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1136			/		
PAC I	WIDTH : W mm		1655			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		40		(88)	73		(161)	/		
	(GROSS) kg(lb)		49		(108)	81		(179)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-125PT2E5 / U-125PEY1E5

INDOOR		MODEL	S-125PT2E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-125PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.8	13.5	
		BTU/h	42700	42700	42700				13000	46100	
	CURRENT	A	0.89	0.86	0.83	19.7	18.9	18.1	-	-	
	INPUT POWER	W	110	110	110	4.040k	4.040k	4.040k	-	-	
		TOTAL W	-			4.150k	4.150k	4.150k	900	5.160k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	2075	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	4.22	2.62	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/40/36			-					
		Power Level dB	64/58/54			-					
	NOISE OUTDOOR (H/L)	dB-A				56/-					
		Power Level dB				73/-					
HEATING	CAPACITY	kW	12.5	12.5	12.5				3.4	15.0	
		BTU/h	42700	42700	42700				11600	51200	
	CURRENT	A	0.89	0.86	0.83	15.2	14.6	13.9	-	-	
	INPUT POWER	W	110	110	110	3.140k	3.140k	3.140k	-	-	
		TOTAL W	-			3.250k	3.250k	3.250k	730	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	4.66	3.41	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/40/36			-			/	/	
		Power Level dB	64/58/54			-					
	NOISE OUTDOOR (H/L)	dB-A	-			56/-			/	/	
		Power Level dB	-			73/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.89/110	0.86/110	0.83/110	29.0/5.93k	29.0/6.20k	29.0/6.47k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	19.7/3.0k	18.9/3.0k	18.1/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	34		(1201)						
	HEAT	m^3/min (ft^3/min)	34		(1201)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				80		(2825)			
	HEAT	m^3/min (ft^3/min)				73		(2578)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.20k	(112.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	996	39-7/32		/		
PRO I	WIDTH : W mm(inch)		1590		62-19/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1136			/		
PAC I	WIDTH : W mm		1655			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		40		(88)	85		(187)	/		
	(GROSS) kg(lb)		49		(108)	93		(205)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-50PT2E5×2 / U-100PEY1E8

INDOOR		MODEL	S-50PT2E5×2								
PANEL		MODEL									
OUTDOOR		MODEL				U-100PEY1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	0.39×2	0.38×2	0.37×2	5.30	5.05	4.85	-	-	
	INPUT POWER	W	40×2	40×2	40×2	3.240k	3.240k	3.240k	-	-	
		TOTAL W	-			3.320k	3.320k	3.320k	530	4.340k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	1660	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	5.09	2.65	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	604	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29			-					
		Power Level dB	55/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	0.39×2	0.38×2	0.37×2	4.10	3.90	3.75	-	-	
	INPUT POWER	W	40×2	40×2	40×2	2.520k	2.520k	2.520k	-	-	
		TOTAL W	-			2.600k	2.600k	2.600k	410	4.000k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	5.12	3.45	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3590	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	37/33/29			-			/	/	
		Power Level dB	55/51/47			-					
	NOISE OUTDOOR (H/L)	dB-A	-			54/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.39×2/40×2	0.38×2/40×2	0.37×2/40×2	9.0/5.51k	9.0/5.80k	9.0/6.02k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.30/1.7k	5.05/1.7k	4.85/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			43			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	15×2		(530)×2						
	HEAT	m^3/min (ft^3/min)	15×2		(530)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				76		(2684)			
	HEAT	m^3/min (ft^3/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	996	39-7/32		/		
	WIDTH : W mm(inch)		960		37-25/32	940	37-1/32		/		
	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC DIM	HEIGHT : H mm		360			1136			/		
	WIDTH : W mm		1025			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		27		(60)	73		(161)	/		
	(GROSS) kg(lb)		34		(75)	81		(179)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-60PT2E5×2 / U-125PEY1E8

INDOOR		MODEL	S-60PT2E5×2								
PANEL		MODEL									
OUTDOOR		MODEL				U-125PEY1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.8	13.5	
		BTU/h	42700	42700	42700				13000	46100	
	CURRENT	A	0.42×2	0.41×2	0.40×2	6.55	6.20	6.00	-	-	
	INPUT POWER	W	50×2	50×2	50×2	4.050k	4.050k	4.050k	-	-	
		TOTAL W		-		4.150k	4.150k	4.150k	900	5.160k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4		-		-	2075	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	4.22	2.62	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30			-					
		Power Level dB	56/52/48			-					
	NOISE OUTDOOR (H/L)	dB-A				56/-					
		Power Level dB				73/-					
HEATING	CAPACITY	kW	12.5	12.5	12.5				3.4	15.0	
		BTU/h	42700	42700	42700				11600	51200	
	CURRENT	A	0.42×2	0.41×2	0.40×2	5.10	4.85	4.65	-	-	
	INPUT POWER	W	50×2	50×2	50×2	3.150k	3.150k	3.150k	-	-	
		TOTAL W		-		3.250k	3.250k	3.250k	730	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	4.66	3.41	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	38/34/30			-			/	/	
		Power Level dB	56/52/48			-					
	NOISE OUTDOOR (H/L)	dB-A	-			56/-			/	/	
		Power Level dB	-			73/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.42×2/50×2	0.41×2/50×2	0.40×2/50×2	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.55/3.0k	6.20/3.0k	6.00/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	20×2		(706)×2						
	HEAT	m³/min (ft³/min)	20×2		(706)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				80		(2825)			
	HEAT	m³/min (ft³/min)				73		(2578)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.20k	(112.9)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	996		39-7/32	/		
	WIDTH : W mm(inch)		1275		50-3/16	940		37-1/32	/		
	DEPTH : D mm(inch)		690		27-5/32	340		13-13/32	/		
PAC DIM	HEIGHT : H mm		360			1136			/		
	WIDTH : W mm		1340			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		33		(73)	85		(187)	/		
	(GROSS) kg(lb)		42		(93)	93		(205)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-71PT2E5×2 / U-140PEY1E8

INDOOR		MODEL	S-71PT2E5×2								
PANEL		MODEL									
OUTDOOR		MODEL				U-140PEY1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.8	15.0	
		BTU/h	47800	47800	47800				11300	51200	
	CURRENT	A	0.45×2	0.44×2	0.43×2	7.40	7.05	6.80	-	-	
	INPUT POWER	W	55×2	55×2	55×2	4.590k	4.590k	4.590k	-	-	
		TOTAL W	-			4.700k	4.700k	4.700k	840	5.700k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	2350	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.98	2.98 / C	2.98	3.93	2.63	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31			-					
		Power Level dB	57/53/49			-					
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.45×2	0.44×2	0.43×2	5.65	5.35	5.20	-	-	
	INPUT POWER	W	55×2	55×2	55×2	3.500k	3.500k	3.500k	-	-	
		TOTAL W	-			3.610k	3.610k	3.610k	900	5.210k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.88	3.88 / A	3.88	4.56	3.07	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	39/35/31			-			/	/	
		Power Level dB	57/53/49			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.45×2/55×2	0.44×2/55×2	0.43×2/55×2	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.40/3.0k	7.05/3.0k	6.80/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			74			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	21×2		(742)×2						
	HEAT	m^3/min (ft^3/min)	21×2		(742)×2						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
PRO I	WIDTH : W mm(inch)		1275		50-3/16	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1556			/		
PAC I	WIDTH : W mm		1340			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		33		(73)	98		(216)	/		
	(GROSS) kg(lb)		42		(93)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50			(16.4 ~ 164.0)			~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)					
	ADD GAS AMOUNT g/m (oz/ft)		50			(0.538)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30			(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-100PT2E5 / U-100PEY1E8

INDOOR		MODEL	S-100PT2E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-100PEY1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				11.5	13.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	0.69	0.67	0.65	5.30	5.05	4.85	-	-	
	INPUT POWER	W	80	80	80	3.240k	3.240k	3.240k	-	-	
		TOTAL W	-			3.320k	3.320k	3.320k	530	4.340k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	1660	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	5.09	2.65	
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	6.0	-		
		Annual consumption	kWh	-	-	-	-	584	-		
		Class		-	-	-	-	A+	-		
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	42/37/35			-					
		Power Level dB	60/55/53			-					
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	0.69	0.67	0.65	4.10	3.90	3.75	-	-	
	INPUT POWER	W	80	80	80	2.520k	2.520k	2.520k	-	-	
		TOTAL W	-			2.600k	2.600k	2.600k	410	4.000k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	5.12	3.45	
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		Tbivalen	°C	-	-	-	-	-7	-		
		SCOP	(W/W)	-	-	-	-	3.9	-		
		Annual consumption	kWh	-	-	-	-	3590	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	42/37/35			-			/	/	
		Power Level dB	60/55/53			-					
	NOISE OUTDOOR (H/L)	dB-A	-			54/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.69/80	0.67/80	0.65/80	9.0/5.51k	9.0/5.80k	9.0/6.02k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.30/1.7k	5.05/1.7k	4.85/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0		(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	30		(1059)						
	HEAT	m^3/min (ft^3/min)	30		(1059)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				76		(2684)			
	HEAT	m^3/min (ft^3/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO DIM	HEIGHT : H mm(inch)		235		9-1/4	996	39-7/32		/		
	WIDTH : W mm(inch)		1590		62-19/32	940	37-1/32		/		
	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC DIM	HEIGHT : H mm		360			1136			/		
	WIDTH : W mm		1655			1055			/		
	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		40		(88)	73		(161)	/		
	(GROSS) kg(lb)		49		(108)	81		(179)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-125PT2E5 / U-125PEY1E8

INDOOR		MODEL	S-125PT2E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-125PEY1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.8	13.5	
		BTU/h	42700	42700	42700				13000	46100	
	CURRENT	A	0.89	0.86	0.83	6.50	6.20	6.00	-	-	
	INPUT POWER	W	110	110	110	4.040k	4.040k	4.040k	-	-	
		TOTAL W	-			4.150k	4.150k	4.150k	900	5.160k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	2075	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	4.22	2.62	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/40/36			-					
		Power Level dB	64/58/54			-					
	NOISE OUTDOOR (H/L)	dB-A				56/-					
		Power Level dB				73/-					
HEATING	CAPACITY	kW	12.5	12.5	12.5				3.4	15.0	
		BTU/h	42700	42700	42700				11600	51200	
	CURRENT	A	0.89	0.86	0.83	5.10	4.80	4.65	-	-	
	INPUT POWER	W	110	110	110	3.140k	3.140k	3.140k	-	-	
		TOTAL W	-			3.250k	3.250k	3.250k	730	4.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.85	3.85 / A	3.85	4.66	3.41	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	46/40/36			-			/	/	
		Power Level dB	64/58/54			-					
	NOISE OUTDOOR (H/L)	dB-A	-			56/-			/	/	
		Power Level dB	-			73/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.89/110	0.86/110	0.83/110	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.50/3.0k	6.20/3.0k	6.00/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9		(16.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	34		(1201)						
	HEAT	m^3/min (ft^3/min)	34		(1201)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				80		(2825)			
	HEAT	m^3/min (ft^3/min)				73		(2578)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.20k	(112.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	996	39-7/32		/		
PRO I	WIDTH : W mm(inch)		1590		62-19/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1136			/		
PAC I	WIDTH : W mm		1655			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		40		(88)	85		(187)	/		
	(GROSS) kg(lb)		49		(108)	93		(205)	/		
LAYERS LIMIT (actually)			9 (10)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single -Type

1-1. Unit Specifications

PEY1

4. Ceiling Type S-140PT2E5 / U-140PEY1E8

INDOOR		MODEL	S-140PT2E5								
PANEL		MODEL									
OUTDOOR		MODEL				U-140PEY1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	14.0	14.0	14.0				3.3	15.0	
		BTU/h	47800	47800	47800				11300	51200	
	CURRENT	A	0.94	0.91	0.88	7.40	7.00	6.80	-	-	
	INPUT POWER	W	120	120	120	4.580k	4.580k	4.580k	-	-	
		TOTAL W	-			4.700k	4.700k	4.700k	840	5.700k	
	ANNUAL CONSUMPTION	TOTAL kWh ※4	-			-	2350	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.98	2.98 / C	2.98	3.93	2.63	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/41/37			-					
		Power Level dB	65/59/55			-					
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				71/-					
HEATING	CAPACITY	kW	14.0	14.0	14.0				4.1	16.0	
		BTU/h	47800	47800	47800				14000	54600	
	CURRENT	A	0.94	0.91	0.88	5.65	5.35	5.15	-	-	
	INPUT POWER	W	120	120	120	3.490k	3.490k	3.490k	-	-	
		TOTAL W	-			3.610k	3.610k	3.610k	900	5.210k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.88	3.88 / A	3.88	4.56	3.07	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	47/41/37			-			/	/	
		Power Level dB	65/59/55			-					
	NOISE OUTDOOR (H/L)	dB-A	-			53/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.94/120	0.91/120	0.88/120	10.0/6.19k	10.0/6.51k	10.0/6.75k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.40/3.0k	7.00/3.0k	6.80/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			111			90×2			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	9.0		(18.9)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	35		(1236)						
	HEAT	m^3/min (ft^3/min)	35		(1236)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				135		(4767)			
	HEAT	m^3/min (ft^3/min)				120		(4238)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.40k	(119.9)	/		
PRO D	HEIGHT : H mm(inch)		235		9-1/4	1416	55-3/4		/		
PRO I	WIDTH : W mm(inch)		1590		62-19/32	940	37-1/32		/		
PRO M	DEPTH : D mm(inch)		690		27-5/32	340	13-13/32		/		
PAC D	HEIGHT : H mm		360			1556			/		
PAC I	WIDTH : W mm		1655			1055			/		
PAC M	DEPTH : D mm		820			485			/		
MASS	(NET) kg(lb)		40		(88)	98		(216)	/		
	(GROSS) kg(lb)		49		(108)	108		(238)	/		
LAYERS LIMIT (actually)			9 (10)			1 (2)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (0.538)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

5. Wall Mounted Type S-36PK1E5×2 / U-71PEY1E5

INDOOR		MODEL	S-36PK1E5×2								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-71PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.0	7.7	
		BTU/h	24200	24200	24200				6800	26300	
	CURRENT	A	0.20×2	0.19×2	0.19×2	11.7	11.3	11.0	-	-	
	INPUT POWER	W	16×2	17×2	17×2	2.420k	2.420k	2.420k	-	-	
		TOTAL W	-			2.450k	2.450k	2.450k	325	3.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			1225	1225	1225	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.90	2.90 / C	2.90	6.15	2.57	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	487	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	93	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/31/27				-				
		Power Level dB	52/46/41				-				
	NOISE OUTDOOR (H/L)	dB-A				50/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	7.1	7.1	7.1				1.8	8.1	
		BTU/h	24200	24200	24200				6100	27600	
	CURRENT	A	0.20×2	0.19×2	0.19×2	9.00	8.70	8.50	-	-	
	INPUT POWER	W	16×2	17×2	17×2	1.870k	1.870k	1.870k	-	-	
		TOTAL W	-			1.900k	1.900k	1.900k	275	2.550k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.74	3.74 / A	3.74	6.55	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-6	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2154	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	93	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	35/31/27				-		/	/	
		Power Level dB	52/46/41				-				
	NOISE OUTDOOR (H/L)	dB-A	-				52/-		/	/	
		Power Level dB	-				70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.20×2/16×2	0.19×2/17×2	0.19×2/17×2	18/3.680k	18/3.800k	18/3.930k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	11.7/2.4k	11.3/2.4k	10.9/2.4k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2 (2.1×2)		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	11×2		(388)×2						
	HEAT	m³/min (ft³/min)	11×2		(388)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				39		(1377)			
	HEAT	m³/min (ft³/min)				39		(1377)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PRO D	HEIGHT : H mm(inch)		300		11-1/32	569		22-13/32	/		
PRO I	WIDTH : W mm(inch)		1065		41-15/16	790		31-7/64	/		
PRO M	DEPTH : D mm(inch)		230		9-1/32	285		11-7/32	/		
PAC D	HEIGHT : H mm		310			648			/		
PAC I	WIDTH : W mm		1140			921			/		
PAC M	DEPTH : D mm		380			386			/		
MASS	(NET) kg(lb)		13		(29)	42		(93)	/		
	(GROSS) kg(lb)		17		(37)	46		(101)	/		
LAYERS LIMIT (actually)			15 (16)			4 (5)					
Operation Condition		Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C					
		Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

5. Wall Mounted Type S-50PK1E5×2 / U-100PEY1E5

INDOOR		MODEL	S-50PK1E5×2								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-100PEY1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.0	
		BTU/h	34100	34100	34100				9200	37500	
	CURRENT	A	0.27×2	0.27×2	0.27×2	17.0	16.3	15.5	-	-	
	INPUT POWER	W	26×2	27×2	28×2	3.515k	3.515k	3.510k	-	-	
		TOTAL W	-			3.570k	3.570k	3.570k	530	4.200k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1785k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.80	2.80 / C	2.80	5.09	2.62	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	6.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	574	-			
	Erp ※6 Class		-	-	-	-	A++	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32				-				
		Power Level dB	57/51/46				-				
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	12.4	
		BTU/h	34100	34100	34100				7200	42300	
	CURRENT	A	0.27×2	0.27×2	0.27×2	12.9	12.4	11.9	-	-	
	INPUT POWER	W	26×2	27×2	28×2	2.720k	2.720k	2.715k	-	-	
		TOTAL W	-			2.775k	2.775k	2.775k	410	4.000k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	5.12	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3684	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	96	95	95	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32				-		/	/	
		Power Level dB	57/51/46				-				
	NOISE OUTDOOR (H/L)	dB-A	-			54/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.27×2/26×2	0.27×2/27×2	0.27×2/28×2	25.0/5.300k	25.0/5.500k	25.0/5.700k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	17.0/1.7k	16.3/1.7k	15.5/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×2		(494)×2						
	HEAT	m³/min (ft³/min)	14×2		(494)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				76		(2684)			
	HEAT	m³/min (ft³/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO D	HEIGHT : H mm(inch)		300 11-1/32			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		1065 41-23/64			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 9-1/32			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1136			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		13		(29)	73		(161)	/		
	(GROSS) kg(lb)		17		(38)	81		(179)	/		
LAYERS LIMIT (actually)			15 (16)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PEY1

5. Wall Mounted Type S-60PK1E5 / U-60PEY1E5

INDOOR		MODEL	S-60PK1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-60PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.0	7.0	
		BTU/h	20500	20500	20500				6800	23900	
	CURRENT	A	0.59	0.58	0.52	8.80	8.50	8.25	-	-	
	INPUT POWER	W	57	57	57	1.800k	1.800k	1.800k	-	-	
		TOTAL W	-			1.860k	1.860k	1.860k	325	2.750k	
	ANNUAL CONSUMPTION	TOTAL kWh※4	-			930	930	930	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.23	3.23 / A	3.23	6.15	2.55	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.4	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	389	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	93	92	91	-	-	
	NOISE INDOOR	dB-A (H/M/L)	47/44/40								
		Power Level dB	64/59/54								
	NOISE OUTDOOR	dB-A (H/L)				46/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	6.0	6.0	6.0				1.8	7.0	
		BTU/h	20500	20500	20500				6100	23900	
	CURRENT	A	0.59	0.58	0.52	7.05	6.80	6.60	-	-	
	INPUT POWER	W	57	57	57	1.440k	1.440k	1.440k	-	-	
		TOTAL W	-			1.500k	1.500k	1.500k	275	2.200k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.00	4.00 / A	4.00	6.55	3.18	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-6	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2154	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	93	92	91	-	-	
	NOISE INDOOR	dB-A (H/M/L)	47/44/40			-			/	/	
		Power Level dB	64/59/54			-					
	NOISE OUTDOOR	dB-A (H/L)	-			50/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.59/57	0.58/57	0.52/57	18/3.680k	18/3.810k	18/3.930k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	8.80/1.8k	8.50/1.8k	8.25/1.8k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.4		(7.1)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	18		(636)						
	HEAT	m³/min (ft³/min)	18		(636)						
O/D AIR FLOW	COOL	m³/min (ft³/min)				30		(1067)			
	HEAT	m³/min (ft³/min)				35		(1229)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PRO D	HEIGHT : H mm(inch)		300 (11-1/32)			569 (22-13/32)			/		
PRO I	WIDTH : W mm(inch)		1065 (41-15/16)			790 (31-7/64)			/		
PRO M	DEPTH : D mm(inch)		230 (9-1/32)			285 (11-7/32)			/		
PAC D	HEIGHT : H mm		310			645			/		
PAC I	WIDTH : W mm		1140			921			/		
PAC M	DEPTH : D mm		380			386			/		
MASS	(NET) kg(lb)		14.5 (32)			42 (93)			/		
	(GROSS) kg(lb)		18 (40)			46 (101)			/		
LAYERS LIMIT (actually)			15 (16)			4 (5)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat (DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

5. Wall Mounted Type S-60PK1E5×2 / U-125PEY1E5

INDOOR		MODEL	S-60PK1E5×2								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-125PEY1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.8	13.2	
		BTU/h	42700	42700	42700				13000	45000	
	CURRENT	A	0.59×2	0.58×2	0.52×2	21.2	20.3	19.4	-	-	
	INPUT POWER	W	57×2	57×2	57×2	4.345k	4.345k	4.345k	-	-	
		TOTAL W		-		4.460k	4.460k	4.460k	900	5.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2230k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.80	2.80 / C	2.80	4.22	2.64	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A		47/44/40			-				
		Power Level dB		64/59/54			-				
	NOISE OUTDOOR (H/L)	dB-A					56/-				
		Power Level dB					73/-				
HEATING	CAPACITY	kW	12.5	12.5	12.5				3.4	15.0	
		BTU/h	42700	42700	42700				11600	51200	
	CURRENT	A	0.59×2	0.58×2	0.52×2	16.2	15.5	14.8	-	-	
	INPUT POWER	W	57×2	57×2	57×2	3.355k	3.355k	3.355k	-	-	
		TOTAL W		-		3.470k	3.470k	3.470k	730	4.800k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	4.66	3.13	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A		47/44/40			-		/	/	
		Power Level dB		64/59/54			-				
	NOISE OUTDOOR (H/L)	dB-A		-			56/-		/	/	
		Power Level dB		-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP					-					
MAX CURRENT(A)/MAX INPUT POWER(W)			0.59×2/57×2	0.58×2/57×2	0.52×2/57×2	29.0/6.000k	29.0/6.300k	29.0/6.600k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	21.2/3.0k	20.3/3.0k	19.4/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				47×2			90		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(3.95×2)	(16.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m³/min (ft³/min)	18×2		(636)×2						
	HEAT	m³/min (ft³/min)	18×2		(636)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				80		(2825)			
	HEAT	m³/min (ft³/min)				73		(2578)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.20k	(112.9)	/		
PRO D	HEIGHT : H mm(inch)		300 11-1/32			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		1065 41-23/64			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 9-1/32			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1136			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		14.5		(32)	85		(188)	/		
	(GROSS) kg(lb)		18		(40)	93		(205)	/		
LAYERS LIMIT (actually)			15 (16)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

5. Wall Mounted Type S-71PK1E5 / U-71PEY1E5

INDOOR			MODEL	S-71PK1E5							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-71PEY1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	7.1	7.1	7.1				2.0	7.7
			BTU/h	24200	24200	24200				6800	26300
	CURRENT		A	0.59	0.58	0.52	11.7	11.3	10.9	-	-
	INPUT POWER		W	57	57	57	2.390k	2.390k	2.390k	-	-
			TOTAL W	-			2.450k	2.450k	2.450k	325	3.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			1225	1225	1225	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.90	2.90 / C	2.90	6.15	2.57
	Erp ※6	Pdsign	kW	-	-	-	-	7.1	-		
		SEER	(W/W)	-	-	-	-	5.1	-		
		Annual consumption	kWh	-	-	-	-	487	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	93	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	47/44/40				-			
			Power Level dB	64/59/54				-			
	NOISE OUTDOOR (H/L)		dB-A				50/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	7.1	7.1	7.1				1.8	8.1
			BTU/h	24200	24200	24200				6100	27600
	CURRENT		A	0.59	0.58	0.52	9.00	8.70	8.40	-	-
	INPUT POWER		W	57	57	57	1.840k	1.840k	1.840k	-	-
			TOTAL W	-			1.900k	1.900k	1.900k	275	2.550k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.74	3.74 / A	3.74	6.55	3.18
	Erp ※6	Pdsign	kW	-	-	-	-	6.0	-		
		Tbivalen	°C	-	-	-	-	-6	-		
		SCOP	(W/W)	-	-	-	-	3.9	-		
		Annual consumption	kWh	-	-	-	-	2154	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	93	92	91	-	-
	NOISE INDOOR (H/M/L)		dB-A	47/44/40				-		/	/
			Power Level dB	64/59/54				-			
	NOISE OUTDOOR (H/L)		dB-A	-				52/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.59/57	0.58/57	0.52/57	18/3.680k	18/3.800k	18/3.930k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	11.7/2.4k	11.3/2.4k	10.9/2.4k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				47			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	4.2		(8.8)	-				
External static pressure			Pa	-							
I/D AIR FLOW	COOL		m³/min (ft³/min)	18		(636)					
	HEAT		m³/min (ft³/min)	18		(636)					
O/D AIR FLOW	COOL		m³/min (ft³/min)				39		(1377)		
	HEAT		m³/min (ft³/min)				39		(1377)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	1.70k	(60.0)	/	
PRO DIM	HEIGHT : H mm(inch)			300		11-1/32	569		22-13/32	/	
	WIDTH : W mm(inch)			1065		41-15/16	790		31-7/64	/	
	DEPTH : D mm(inch)			230		9-1/32	285		11-7/32	/	
PAC DIM	HEIGHT : H mm			310			648			/	
	WIDTH : W mm			1140			921			/	
	DEPTH : D mm			380			386			/	
MASS	(NET) kg(lb)			14.5		(32)	42		(93)	/	
	(GROSS) kg(lb)			18		(40)	46		(101)	/	
LAYERS LIMIT (actually)				15 (16)			4 (5)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			40			(0.430)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			20			(65.6)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

5. Wall Mounted Type S-50PK1E5×2 / U-100PEY1E8

INDOOR		MODEL	S-50PK1E5×2								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-100PEY1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.0	
		BTU/h	34100	34100	34100				9200	37500	
	CURRENT	A	0.27×2	0.27×2	0.27×2	5.75	5.45	5.25	-	-	
	INPUT POWER	W	26×2	27×2	28×2	3.515k	3.515k	3.510k	-	-	
		TOTAL W		-		3.570k	3.570k	3.570k	530	4.200k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1785k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.80	2.80 / C	2.80	5.09	2.62	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.9	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	593	-			
	Erp ※6 Class		-	-	-	-	A+	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32				-				
		Power Level dB	57/51/46				-				
	NOISE OUTDOOR (H/L)	dB-A					54/-				
		Power Level dB					70/-				
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	12.4	
		BTU/h	34100	34100	34100				7200	42300	
	CURRENT	A	0.27×2	0.27×2	0.27×2	4.45	4.20	4.05	-	-	
	INPUT POWER	W	26×2	27×2	28×2	2.720k	2.720k	2.715k	-	-	
		TOTAL W		-		2.775k	2.775k	2.775k	410	4.000k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	5.12	3.10	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	3684	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/36/32				-		/	/	
		Power Level dB	57/51/46				-				
	NOISE OUTDOOR (H/L)	dB-A	-				54/-		/	/	
		Power Level dB	-				70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.27×2/26×2	0.27×2/27×2	0.27×2/28×2	9.0/5.550k	9.0/5.800k	9.0/6.050k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.75/1.7k	5.45/1.7k	5.25/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			47×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×2		(494)×2						
	HEAT	m³/min (ft³/min)	14×2		(494)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				76		(2684)			
	HEAT	m³/min (ft³/min)				67		(2366)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO D	HEIGHT : H mm(inch)		300 11-1/32			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		1065 41-23/64			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 9-1/32			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1136			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		13		(29)	73		(161)	/		
	(GROSS) kg(lb)		17		(38)	81		(179)	/		
LAYERS LIMIT (actually)			15 (16)			2 (3)					
Operation Condition		Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C					
		Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

5. Wall Mounted Type S-60PK1E5×2 / U-125PEY1E8

INDOOR		MODEL	S-60PK1E5×2								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-125PEY1E8					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.8	13.2	
		BTU/h	42700	42700	42700				13000	45000	
	CURRENT	A	0.59×2	0.58×2	0.52×2	7.00	6.70	6.45	-	-	
	INPUT POWER	W	57×2	57×2	57×2	4.345k	4.345k	4.345k	-	-	
		TOTAL W		-		4.460k	4.460k	4.460k	900	5.000k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	2230k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.80	2.80 / C	2.80	4.22	2.64	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A		47/44/40			-				
		Power Level dB		64/59/54			-				
	NOISE OUTDOOR (H/L)	dB-A					56/-				
		Power Level dB					73/-				
HEATING	CAPACITY	kW	12.5	12.5	12.5				3.4	15.0	
		BTU/h	42700	42700	42700				11600	51200	
	CURRENT	A	0.59×2	0.58×2	0.52×2	5.40	5.15	4.95	-	-	
	INPUT POWER	W	57×2	57×2	57×2	3.355k	3.355k	3.355k	-	-	
		TOTAL W		-		3.470k	3.470k	3.470k	730	4.800k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.60	3.60 / A	3.60	4.66	3.13	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A		47/44/40			-		/	/	
		Power Level dB		64/59/54			-				
	NOISE OUTDOOR (H/L)	dB-A		-			56/-		/	/	
		Power Level dB		-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP					-					
MAX CURRENT(A)/MAX INPUT POWER(W)			0.59×2/57×2	0.58×2/57×2	0.52×2/57×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	7.00/3.0k	6.70/3.0k	6.45/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				47×2			90		/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9	(3.95×2)	(16.6)		-				
External static pressure		Pa		-							
I/D AIR FLOW	COOL	m³/min (ft³/min)	18×2		(636)×2						
	HEAT	m³/min (ft³/min)	18×2		(636)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				80		(2825)			
	HEAT	m³/min (ft³/min)				73		(2578)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	3.20k	(112.9)	/		
PRO D	HEIGHT : H mm(inch)		300 11-1/32			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		1065 41-23/64			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		230 9-1/32			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		310			1136			/		
PAC I	WIDTH : W mm		1140			1055			/		
PAC M	DEPTH : D mm		380			485			/		
MASS	(NET) kg(lb)		14.5		(32)	85		(188)	/		
	(GROSS) kg(lb)		18		(40)	93		(205)	/		
LAYERS LIMIT (actually)			15 (16)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

5. Wall Mounted Type S-71PK1E5×2 / U-140PEY1E8

INDOOR			MODEL	S-71PK1E5×2							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-140PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.59×2	0.58×2	0.52×2	7.20	6.95	6.75	-	-
	INPUT POWER		W	57×2	57×2	57×2	4.616k	4.616k	4.616k	-	-
			TOTAL W		-		4.730k	4.730k	4.730k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	2365	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.96	2.96 / C	2.96	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A		47/44/40			-			
			Power Level dB		64/59/54			-			
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					71/-			
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.59×2	0.58×2	0.52×2	5.90	5.65	5.50	-	-
	INPUT POWER		W	57×2	57×2	57×2	3.766k	3.766k	3.766k	-	-
			TOTAL W		-		3.880k	3.880k	3.880k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.61	3.61 / A	3.61	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	97	96	95	-	-
	NOISE INDOOR (H/M/L)		dB-A		47/44/40			-		/	/
			Power Level dB		64/59/54			-			
	NOISE OUTDOOR (H/L)		dB-A		-			53/-		/	/
			Power Level dB		-			70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP						-				
MAX CURRENT(A)/MAX INPUT POWER(W)				0.59×2/57×2	0.58×2/57×2	0.52×2/57×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	7.20/3.0k	6.95/3.0k	6.75/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)					-			-			
FM OUTPUT (W)					47			90×2		/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(4.5×2)	(18.9)		-			
External static pressure			Pa		-						
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	18×2		(636)×2					
	HEAT		m^3/min (ft^3/min)	18×2		(636)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			300 11-1/32			1416 55-3/4			/	
	WIDTH : W mm(inch)			1065 41-23/64			940 37-1/32			/	
	DEPTH : D mm(inch)			230 9-1/32			340 13-13/32			/	
PAC DIM	HEIGHT : H mm			310			1556			/	
	WIDTH : W mm			1140			1055			/	
	DEPTH : D mm			380			485			/	
MASS	(NET) kg(lb)			14.5			98			/	
	(GROSS) kg(lb)			18			108			/	
LAYERS LIMIT (actually)				15 (16)			1 (2)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-10°C ~ 43°C				
	Heat O.D(DBT)			16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (0.538)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-36PF1E5×2 / U-71PEY1E5

INDOOR		MODEL	S-36PF1E5×2								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.0	7.7	
		BTU/h	24200	24200	24200				6800	26300	
	CURRENT	A	0.6×2	0.57×2	0.56×2	12.2	11.7	11.2	-	-	
	INPUT POWER	W	70×2	70×2	70×2	2.450k	2.450k	2.450k	-	-	
		TOTAL W	-			2.590k	2.590k	2.590k	325	3.290k	
	ANNUAL CONSUMPTION	TOTAL kWh※4	-			-	1295	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.74	2.74 / D	2.74	6.15	2.34	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.1	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	487	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	91	91	91	-	-	
	NOISE INDOOR	dB-A (H/M/L)	33/29/25								
		Power Level dB	55/51/47								
	NOISE OUTDOOR	dB-A (H/L)				50/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	7.1	7.1	7.1				1.8	8.1	
		BTU/h	24200	24200	24200				6100	27600	
	CURRENT	A	0.6×2	0.57×2	0.56×2	8.30	7.90	7.60	-	-	
	INPUT POWER	W	70×2	70×2	70×2	1.680k	1.680k	1.680k	-	-	
		TOTAL W	-			1.820k	1.820k	1.820k	275	2.400k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.90	3.90/ A	3.90	6.55	3.38	
	Erp ※6 Pdsign	kW	-	-	-	5.50	5.50	5.50			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7.00	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.80	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2026	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	92	92	92	-	-	
	NOISE INDOOR	dB-A (H/M/L)	33/29/25			-			/	/	
		Power Level dB	55/51/47			-					
	NOISE OUTDOOR	dB-A (H/L)	-			52/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.86×2/105×2	0.82×2/105×2	0.79×2/105×2	18/3.64k	18/3.81k	18/3.97k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	12.2/2.5k	11.7/2.5k	11.2/2.5k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-					
External static pressure		Pa	70 (MIN10 - MAX150)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	14×2	(494)×2							
	HEAT	m^3/min (ft^3/min)	14×2	(494)×2							
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				39	(1377)				
	HEAT	m^3/min (ft^3/min)				39	(1377)				
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PRO DIM	HEIGHT : H mm(inch)		290 (11-13/32)			569 (22-13/32)			/		
	WIDTH : W mm(inch)		800 (31-1/2)			790 (31-7/64)			/		
	DEPTH : D mm(inch)		700 (27-9/16)			285 (11-7/32)			/		
PAC DIM	HEIGHT : H mm		355			645			/		
	WIDTH : W mm		1014			921			/		
	DEPTH : D mm		850			386			/		
MASS	(NET) kg(lb)		28 (62)			42 (93)			/		
	(GROSS) kg(lb)		35 (78)			46 (101)			/		
LAYERS LIMIT (actually)			9 (10)			4 (5)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat (DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-50PF1E5×2 / U-100PEY1E5

INDOOR			MODEL	S-50PF1E5×2							
PANEL			MODEL								
OUTDOOR			MODEL				U-100PEY1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				2.7	11.5
			BTU/h	34100	34100	34100				9200	39200
	CURRENT		A	0.77×2	0.74×2	0.71×2	15.1	14.5	13.9	-	-
	INPUT POWER		W	100×2	100×2	100×2	3.125k	3.125k	3.125k	-	-
			TOTAL W	-			3.325k	3.325k	3.325k	530	4.200k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1663k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	5.09	2.74
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.4	-		
		Annual consumption	kWh	-	-	-	-	648	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26				-			
			Power Level dB	56/52/48				-			
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
	CURRENT		A	0.77×2	0.74×2	0.71×2	11.8	11.2	10.7	-	-
	INPUT POWER		W	100×2	100×2	100×2	2.430k	2.430k	2.430k	-	-
			TOTAL W	-			2.630k	2.630k	2.630k	410	4.000k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	5.12	3.45
	Erp ※6	Pdsign	kW	-	-	-	-	9.5	-		
		Tbivalen	°C	-	-	-	-	-8	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3500	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26				-		/	/
			Power Level dB	56/52/48				-			
	NOISE OUTDOOR (H/L)		dB-A	-				54/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.00×2/125×2	0.96×2/125×2	0.92×2/125×2	25.0/5.300k	25.0/5.500k	25.0/5.700k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	15.1/1.7k	14.5/1.7k	13.9/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×2		(565)×2					
	HEAT		m^3/min (ft^3/min)	16×2		(565)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				76		(2684)		
	HEAT		m^3/min (ft^3/min)				67		(2366)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.60k	(91.7)	/	
PRO DIM	HEIGHT : H mm(inch)			290		(11-13/32)	996 (39-7/32)			/	
	WIDTH : W mm(inch)			800		(31-1/2)	940 (37-1/32)			/	
	DEPTH : D mm(inch)			700		(27-9/16)	340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			355			1136			/	
	WIDTH : W mm			1014			1055			/	
	DEPTH : D mm			850			485			/	
MASS	(NET) kg(lb)			28		(62)	73		(161)	/	
	(GROSS) kg(lb)			35		(78)	81		(179)	/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50			(537.6)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30			(98.4)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single-Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-60PF1E5 / U-60PEY1E5

INDOOR		MODEL	S-60PF1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-60PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.0	7.0	
		BTU/h	20500	20500	20500				6800	23900	
	CURRENT	A	0.91	0.89	0.87	9.00	8.65	8.30	-	-	
	INPUT POWER	W	120	120	120	1.810k	1.810k	1.810k	-	-	
		TOTAL W	-			1.930k	1.930k	1.930k	325	2.850k	
	ANNUAL CONSUMPTION	TOTAL kWh※4	-			965	965	965	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.10	3.10 / B	3.10	6.15	2.46	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.4	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	389	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	91	91	91	-	-	
	NOISE INDOOR	dB-A (H/M/L)	35/32/26								
		Power Level dB	57/54/48								
	NOISE OUTDOOR	dB-A (H/L)				46/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	6.0	6.0	6.0				1.8	7.0	
		BTU/h	20500	20500	20500				6100	23900	
	CURRENT	A	0.91	0.89	0.87	6.40	6.10	5.90	-	-	
	INPUT POWER	W	120	120	120	1.290k	1.290k	1.290k	-	-	
		TOTAL W	-			1.410k	1.410k	1.410k	275	2.055k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	4.25	4.25 / A	4.25	6.55	3.41	
	Erp ※6 Pdsign	kW	-	-	-	-	5.0	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-9	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	1842	-			
	Erp ※6 Class		-	-	-	A	A	A			
	POWER FACTOR	%	-	-	-	92	92	91	-	-	
	NOISE INDOOR	dB-A (H/M/L)	35/32/26			-			/	/	
		Power Level dB	57/54/48			-					
	NOISE OUTDOOR	dB-A (H/L)	-			50/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			1.26/160	1.20/160	1.15/160	18/3.64k	18/3.77k	18/3.93k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	9.00/1.8k	8.65/1.8k	8.30/1.8k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.4		(7.1)	-					
External static pressure		Pa	70 (MIN10 - MAX150)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	21		(742)						
	HEAT	m^3/min (ft^3/min)	21		(742)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				30		(1067)			
	HEAT	m^3/min (ft^3/min)				35		(1229)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PROJECT	D I M	HEIGHT : H mm(inch)	290 (11-13/32)			569 (22-13/32)			/		
		WIDTH : W mm(inch)	1000 (39-3/8)			790 (31-7/64)			/		
		DEPTH : D mm(inch)	700 (27-9/16)			285 (11-7/32)			/		
PACAKE	D I M	HEIGHT : H mm	355			645			/		
		WIDTH : W mm	1214			921			/		
		DEPTH : D mm	850			386			/		
MASS		(NET) kg(lb)	33 (73)			42 (93)			/		
		(GROSS) kg(lb)	41 (91)			46 (101)			/		
LAYERS LIMIT (actually)			9 (10)			4 (5)					
Operation Condition		Cool (DBT)	18°C ~ 32°C			-10°C ~ 43°C					
		Heat (DBT)	16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-60PF1E5×2 / U-125PEY1E5

INDOOR			MODEL	S-60PF1E5×2							
PANEL			MODEL								
OUTDOOR			MODEL				U-125PEY1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	0.91×2	0.89×2	0.87×2	18.8	18.0	17.2	-	-
	INPUT POWER		W	120×2	120×2	120×2	3.885k	3.885k	3.885k	-	-
			TOTAL W	-			4.125k	4.125k	4.125k	900	5.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2063k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.03	3.03 / B	3.03	4.22	2.70
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26			-				
			Power Level dB	57/54/48			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	0.91×2	0.89×2	0.87×2	14.6	14.0	13.4	-	-
	INPUT POWER		W	120×2	120×2	120×2	3.060k	3.060k	3.060k	-	-
			TOTAL W	-			3.300k	3.300k	3.300k	730	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.79	3.79 / A	3.79	4.66	3.41
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26			-			/	/
			Power Level dB	57/54/48			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.26×2/160×2	1.20×2/160×2	1.15×2/160×2	29.0/6.000k	29.0/6.300k	29.0/6.600k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	18.8/3.0k	18.0/3.0k	17.2/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21×2		(742)×2					
	HEAT		m^3/min (ft^3/min)	21×2		(742)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO D	HEIGHT : H mm(inch)			290		(11-13/32)	996 (39-7/32)			/	
PRO I	WIDTH : W mm(inch)			1000		(39-3/8)	940 (37-1/32)			/	
PRO M	DEPTH : D mm(inch)			700		(27-9/16)	340 (13-13/32)			/	
PAC D	HEIGHT : H mm			355			1136			/	
PAC I	WIDTH : W mm			1214			1055			/	
PAC M	DEPTH : D mm			850			485			/	
MASS	(NET) kg(lb)			33		(73)	85		(188)	/	
	(GROSS) kg(lb)			41		(91)	93		(205)	/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50			(537.6)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30			(98.4)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single-Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-71PF1E5 / U-71PEY1E5

INDOOR		MODEL	S-71PF1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-71PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.0	7.7	
		BTU/h	24200	24200	24200				6800	26300	
	CURRENT	A	0.91	0.89	0.87	12.2	11.7	11.2	-	-	
	INPUT POWER	W	120	120	120	2.450k	2.450k	2.450k	-	-	
		TOTAL W	-			2.570k	2.570k	2.570k	325	3.270k	
	ANNUAL CONSUMPTION	TOTAL kWh※4	-			1285	1285	1285	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.76	2.76 / D	2.76	6.15	2.35	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	469	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	91	91	91	-	-	
	NOISE INDOOR	dB-A (H/M/L)	35/32/26								
		Power Level dB	57/54/48								
	NOISE OUTDOOR	dB-A (H/L)				50/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	7.1	7.1	7.1				1.8	8.1	
		BTU/h	24200	24200	24200				6100	27600	
	CURRENT	A	0.91	0.89	0.87	8.30	7.90	7.60	-	-	
	INPUT POWER	W	120	120	120	1.680k	1.680k	1.680k	-	-	
		TOTAL W	-			1.800k	1.800k	1.800k	275	2.380k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.94	3.94 / A	3.94	6.55	3.40	
	Erp ※6 Pdsign	kW	-	-	-	-	5.5	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2026	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	92	92	92	-	-	
	NOISE INDOOR	dB-A (H/M/L)	35/32/26			-			/	/	
		Power Level dB	57/54/48			-					
	NOISE OUTDOOR	dB-A (H/L)	-			52/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			1.26/160	1.20/160	1.15/160	18/3.64k	18/3.81k	18/3.97k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	12.2/2.5k	11.7/2.5k	11.2/2.5k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	-								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	21		(742)						
	HEAT	m^3/min (ft^3/min)	21		(742)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				39		(1377)			
	HEAT	m^3/min (ft^3/min)				39		(1377)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PRO D	HEIGHT : H mm(inch)		290 (11-13/32)			569 (22-13/32)			/		
PRO I	WIDTH : W mm(inch)		1000 (39-3/8)			790 (31-7/64)			/		
PRO M	DEPTH : D mm(inch)		700 (27-9/16)			285 (11-7/32)			/		
PAC D	HEIGHT : H mm		355			645			/		
PAC I	WIDTH : W mm		1214			921			/		
PAC M	DEPTH : D mm		850			386			/		
MASS	(NET) kg(lb)		33 (73)			42 (93)			/		
	(GROSS) kg(lb)		41 (91)			46 (101)			/		
LAYERS LIMIT (actually)			9 (10)			4 (5)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat (DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-100PF1E5 / U-100PEY1E5

INDOOR			MODEL	S-100PF1E5							
PANEL			MODEL								
OUTDOOR			MODEL				U-100PEY1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				2.7	11.5
			BTU/h	34100	34100	34100				9200	39200
	CURRENT		A	1.35	1.30	1.27	15.1	14.5	13.9	-	-
	INPUT POWER		W	195	195	195	3.125k	3.125k	3.125k	-	-
			TOTAL W	-			3.320k	3.320k	3.320k	530	4.200k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1660k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	5.09	2.74
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.4	-		
		Annual consumption	kWh	-	-	-	-	648	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	38/34/31			-				
			Power Level dB	60/56/53			-				
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
	CURRENT		A	1.37	1.34	1.29	11.8	11.2	10.7	-	-
	INPUT POWER		W	200	200	200	2.430k	2.430k	2.430k	-	-
			TOTAL W	-			2.630k	2.630k	2.630k	410	4.000k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	5.12	3.45
	Erp ※6	Pdsign	kW	-	-	-	-	9.5	-		
		Tbivalen	°C	-	-	-	-	-8	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3500	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	94	94	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	38/34/31			-			/	/
			Power Level dB	60/56/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			54/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.80/265	1.75/265	1.70/265	25.0/5.300k	25.0/5.500k	25.0/5.700k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	15.1/1.7k	14.5/1.7k	13.9/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0		(12.6)	-				
External static pressure			Pa	100 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	32		(1130)					
	HEAT		m^3/min (ft^3/min)	32		(1130)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				76		(2684)		
	HEAT		m^3/min (ft^3/min)				67		(2366)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.60k	(91.7)	/	
PRO DIM	HEIGHT : H mm(inch)			290 11-13/32			996 (39-7/32)			/	
	WIDTH : W mm(inch)			1400 55-1/8			940 (37-1/32)			/	
	DEPTH : D mm(inch)			700 27-9/16			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			355			1136			/	
	WIDTH : W mm			1614			1055			/	
	DEPTH : D mm			850			485			/	
MASS	(NET) kg(lb)			45		(99)	73		(161)	/	
	(GROSS) kg(lb)			54		(119)	81		(179)	/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single -Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-125PF1E5 / U-125PEY1E5

INDOOR			MODEL	S-125PF1E5							
PANEL			MODEL								
OUTDOOR			MODEL				U-125PEY1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	1.48	1.44	1.39	18.8	18.0	17.2	-	-
	INPUT POWER		W	215	215	215	3.885k	3.885k	3.885k	-	-
			TOTAL W	-			4.100k	4.100k	4.100k	900	5.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2050k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.05	3.05 / B	3.05	4.22	2.70
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	39/35/32			-				
			Power Level dB	61/57/54			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	1.46	1.42	1.38	14.6	14.0	13.4	-	-
	INPUT POWER		W	210	210	210	3.060k	3.060k	3.060k	-	-
			TOTAL W	-			3.270k	3.270k	3.270k	730	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.82	3.82 / A	3.82	4.66	3.41
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	39/35/32			-			/	/
			Power Level dB	61/57/54			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.80/265	1.75/265	1.70/265	29.0/6.000k	29.0/6.300k	29.0/6.600k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	18.8/3.0k	18.0/3.0k	17.2/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9		(16.6)	-				
External static pressure			Pa	100 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	34		(1201)					
	HEAT		m^3/min (ft^3/min)	34		(1201)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO DIM	HEIGHT : H mm(inch)			290 11-13/32			996 (39-7/32)			/	
	WIDTH : W mm(inch)			1400 55-1/8			940 (37-1/32)			/	
	DEPTH : D mm(inch)			700 27-9/16			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			355			1136			/	
	WIDTH : W mm			1614			1055			/	
	DEPTH : D mm			850			485			/	
MASS	(NET) kg(lb)			45		(99)	85		(188)	/	
	(GROSS) kg(lb)			54		(119)	93		(205)	/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-50PF1E5×2 / U-100PEY1E8

INDOOR			MODEL	S-50PF1E5×2							
PANEL			MODEL								
OUTDOOR			MODEL				U-100PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				2.7	11.5
			BTU/h	34100	34100	34100				9200	39200
	CURRENT		A	0.77×2	0.74×2	0.71×2	5.10	4.85	4.70	-	-
	INPUT POWER		W	100×2	100×2	100×2	3.125k	3.125k	3.125k	-	-
			TOTAL W	-			3.325k	3.325k	3.325k	530	4.200k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1663k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	5.09	2.74
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.2	-		
		Annual consumption	kWh	-	-	-	-	673	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	93	93	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26				-			
			Power Level dB	56/52/48				-			
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					70/-			
HEATING	CAPACITY		kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
	CURRENT		A	0.77×2	0.74×2	0.71×2	4.05	3.80	3.65	-	-
	INPUT POWER		W	100×2	100×2	100×2	2.430k	2.430k	2.430k	-	-
			TOTAL W	-			2.630k	2.630k	2.630k	410	4.000k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	5.12	3.45
	Erp ※6	Pdsign	kW	-	-	-	-	9.5	-		
		Tbivalen	°C	-	-	-	-	-8	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3500	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	91	92	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	34/30/26				-		/	/
			Power Level dB	56/52/48				-			
	NOISE OUTDOOR (H/L)		dB-A	-				54/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.00×2/125×2	0.96×2/125×2	0.92×2/125×2	9.0/5.550k	9.0/5.800k	9.0/6.050k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.10/1.7k	4.85/1.7k	4.70/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×2		(565)×2					
	HEAT		m^3/min (ft^3/min)	16×2		(565)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				76		(2684)		
	HEAT		m^3/min (ft^3/min)				67		(2366)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.60k	(91.7)	/	
PRO DIM	HEIGHT : H mm(inch)			290		(11-13/32)	996 (39-7/32)			/	
	WIDTH : W mm(inch)			800		(31-1/2)	940 (37-1/32)			/	
	DEPTH : D mm(inch)			700		(27-9/16)	340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			355			1136			/	
	WIDTH : W mm			1014			1055			/	
	DEPTH : D mm			850			485			/	
MASS	(NET) kg(lb)			28		(62)	73		(161)	/	
	(GROSS) kg(lb)			35		(78)	81		(179)	/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50			(537.6)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30			(98.4)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-60PF1E5×2 / U-125PEY1E8

INDOOR			MODEL	S-60PF1E5×2							
PANEL			MODEL								
OUTDOOR			MODEL				U-125PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	0.91×2	0.89×2	0.87×2	6.20	5.90	5.70	-	-
	INPUT POWER		W	120×2	120×2	120×2	3.885k	3.885k	3.885k	-	-
			TOTAL W	-			4.125k	4.125k	4.125k	900	5.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2063k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.03	3.03 / B	3.03	4.22	2.70
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26			-				
			Power Level dB	57/54/48			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	0.91×2	0.89×2	0.87×2	4.90	4.65	4.50	-	-
	INPUT POWER		W	120×2	120×2	120×2	3.060k	3.060k	3.060k	-	-
			TOTAL W	-			3.300k	3.300k	3.300k	730	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.79	3.79 / A	3.79	4.66	3.41
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26			-			/	/
			Power Level dB	57/54/48			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.26×2/160×2	1.20×2/160×2	1.15×2/160×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.20/3.0k	5.90/3.0k	5.70/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21×2		(742)×2					
	HEAT		m^3/min (ft^3/min)	21×2		(742)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO DIM	HEIGHT : H mm(inch)			290		(11-13/32)	996 (39-7/32)			/	
	WIDTH : W mm(inch)			1000		(39-3/8)	940 (37-1/32)			/	
	DEPTH : D mm(inch)			700		(27-9/16)	340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			355			1136			/	
	WIDTH : W mm			1214			1055			/	
	DEPTH : D mm			850			485			/	
MASS	(NET) kg(lb)			33		(73)	85		(188)	/	
	(GROSS) kg(lb)			41		(91)	93		(205)	/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50			(537.6)				
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30			(98.4)				

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-71PF1E5×2 / U-140PEY1E8

INDOOR			MODEL	S-71PF1E5×2							
PANEL			MODEL								
OUTDOOR			MODEL				U-140PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	0.91×2	0.89×2	0.87×2	6.75	6.45	6.25	-	-
	INPUT POWER		W	120×2	120×2	120×2	4.125k	4.125k	4.125k	-	-
			TOTAL W	-			4.365k	4.365k	4.365k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2183	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.21	3.21 / A	3.21	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	93	92	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26				-			
			Power Level dB	57/54/48				-			
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					71/-			
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	0.91×2	0.89×2	0.87×2	5.60	5.40	5.20	-	-
	INPUT POWER		W	120×2	120×2	120×2	3.355k	3.355k	3.355k	-	-
			TOTAL W	-			3.595k	3.595k	3.595k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.89	3.89 / A	3.89	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	91	90	90	-	-
	NOISE INDOOR (H/M/L)		dB-A	35/32/26				-		/	/
			Power Level dB	57/54/48				-			
	NOISE OUTDOOR (H/L)		dB-A	-				53/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.26×2/160×2	1.20×2/160×2	1.15×2/160×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.75/3.0k	6.45/3.0k	6.25/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-				
External static pressure			Pa	70 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	21×2		(742)×2					
	HEAT		m^3/min (ft^3/min)	21×2		(742)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO D	HEIGHT : H mm(inch)			290 11-13/32			1416 55-3/4			/	
PRO I	WIDTH : W mm(inch)			1000 39-3/8			940 37-1/32			/	
PRO M	DEPTH : D mm(inch)			700 27-9/16			340 13-13/32			/	
PAC D	HEIGHT : H mm			355			1556			/	
PAC I	WIDTH : W mm			1214			1055			/	
PAC M	DEPTH : D mm			850			485			/	
MASS	(NET) kg(lb)			33			98			/	
	(GROSS) kg(lb)			41			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-10°C ~ 43°C				
	Heat O.D(DBT)			16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (0.538)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-100PF1E5 / U-100PEY1E8

INDOOR			MODEL	S-100PF1E5							
PANEL			MODEL								
OUTDOOR			MODEL				U-100PEY1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				2.7	11.5
			BTU/h	34100	34100	34100				9200	39200
	CURRENT		A	1.35	1.30	1.27	5.10	4.85	4.70	-	-
	INPUT POWER		W	195	195	195	3.125k	3.125k	3.125k	-	-
			TOTAL W	-			3.320k	3.320k	3.320k	530	4.200k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1660k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.01	3.01 / B	3.01	5.09	2.74
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.2	-		
		Annual consumption	kWh	-	-	-	-	673	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	93	93	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	38/34/31				-			
			Power Level dB	60/56/53				-			
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					70/-			
HEATING	CAPACITY		kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
	CURRENT		A	1.37	1.34	1.29	4.05	3.80	3.65	-	-
	INPUT POWER		W	200	200	200	2.430k	2.430k	2.430k	-	-
			TOTAL W	-			2.630k	2.630k	2.630k	410	4.000k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.80	3.80 / A	3.80	5.12	3.45
	Erp ※6	Pdsign	kW	-	-	-	-	9.5	-		
		Tbivalen	°C	-	-	-	-	-8	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	3500	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	91	92	93	-	-
	NOISE INDOOR (H/M/L)		dB-A	38/34/31				-		/	/
			Power Level dB	60/56/53				-			
	NOISE OUTDOOR (H/L)		dB-A	-				54/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.80/265	1.75/265	1.70/265	9.0/5.550k	9.0/5.800k	9.0/6.050k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.10/1.7k	4.85/1.7k	4.70/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0		(12.6)	-				
External static pressure			Pa	100 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	32		(1130)					
	HEAT		m^3/min (ft^3/min)	32		(1130)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				76		(2684)		
	HEAT		m^3/min (ft^3/min)				67		(2366)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.60k	(91.7)	/	
PRO DIM	HEIGHT : H mm(inch)			290 11-13/32			996 (39-7/32)			/	
	WIDTH : W mm(inch)			1400 55-1/8			940 (37-1/32)			/	
	DEPTH : D mm(inch)			700 27-9/16			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			355			1136			/	
	WIDTH : W mm			1614			1055			/	
	DEPTH : D mm			850			485			/	
MASS	(NET) kg(lb)			45		(99)	73		(161)	/	
	(GROSS) kg(lb)			54		(119)	81		(179)	/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single -Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-125PF1E5 / U-125PEY1E8

INDOOR			MODEL	S-125PF1E5							
PANEL			MODEL								
OUTDOOR			MODEL				U-125PEY1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	1.48	1.44	1.39	6.20	5.90	5.70	-	-
	INPUT POWER		W	215	215	215	3.885k	3.885k	3.885k	-	-
			TOTAL W	-			4.100k	4.100k	4.100k	900	5.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2050k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.05	3.05 / B	3.05	4.22	2.70
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	39/35/32			-				
			Power Level dB	61/57/54			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	1.46	1.42	1.38	4.90	4.65	4.50	-	-
	INPUT POWER		W	210	210	210	3.060k	3.060k	3.060k	-	-
			TOTAL W	-			3.270k	3.270k	3.270k	730	4.400k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.82	3.82 / A	3.82	4.66	3.41
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	95	-	-
	NOISE INDOOR (H/M/L)		dB-A	39/35/32			-			/	/
			Power Level dB	61/57/54			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.80/265	1.75/265	1.70/265	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.20/3.0k	5.90/3.0k	5.70/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9		(16.6)	-				
External static pressure			Pa	100 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	34		(1201)					
	HEAT		m^3/min (ft^3/min)	34		(1201)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO DIM	HEIGHT : H mm(inch)			290 11-13/32			996 (39-7/32)			/	
	WIDTH : W mm(inch)			1400 55-1/8			940 (37-1/32)			/	
	DEPTH : D mm(inch)			700 27-9/16			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			355			1136			/	
	WIDTH : W mm			1614			1055			/	
	DEPTH : D mm			850			485			/	
MASS	(NET) kg(lb)			45		(99)	85		(188)	/	
	(GROSS) kg(lb)			54		(119)	93		(205)	/	
LAYERS LIMIT (actually)				9 (10)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50			(16.4 ~ 164.0)			~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher)			(49.2/98.4)				
	ADD GAS AMOUNT g/m (oz/ft)			50		(537.6)					
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30		(98.4)					

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.

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Single -Type

1-1. Unit Specifications

PEY1

6. Low Silhouette Ducted Type S-140PF1E5 / U-140PEY1E8

INDOOR			MODEL	S-140PF1E5							
PANEL			MODEL								
OUTDOOR			MODEL				U-140PEY1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.55	1.50	1.47	6.75	6.45	6.25	-	-
	INPUT POWER		W	225	225	225	4.125k	4.125k	4.125k	-	-
			TOTAL W	-			4.350k	4.350k	4.350k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2175	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.22	3.22 / A	3.22	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	93	92	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/36/33				-			
			Power Level dB	62/58/55				-			
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					71/-			
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.55	1.50	1.46	5.60	5.40	5.20	-	-
	INPUT POWER		W	225	225	225	3.355k	3.355k	3.355k	-	-
			TOTAL W	-			3.580k	3.580k	3.580k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.91	3.91 / A	3.91	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	91	90	90	-	-
	NOISE INDOOR (H/M/L)		dB-A	40/36/33				-		/	/
			Power Level dB	62/58/55				-			
	NOISE OUTDOOR (H/L)		dB-A	-				53/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.91/285	1.86/285	1.81/285	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.75/3.0k	6.45/3.0k	6.25/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0		(18.9)	-				
External static pressure			Pa	100 (MIN10 - MAX150)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	36		(1271)					
	HEAT		m^3/min (ft^3/min)	36		(1271)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			290 11-13/32			1416 55-3/4			/	
	WIDTH : W mm(inch)			1400 55-1/8			940 37-1/32			/	
	DEPTH : D mm(inch)			700 27-9/16			340 13-13/32			/	
PAC DIM	HEIGHT : H mm			355			1556			/	
	WIDTH : W mm			1614			1055			/	
	DEPTH : D mm			850			485			/	
MASS	(NET) kg(lb)			45			98			/	
	(GROSS) kg(lb)			54			108			/	
LAYERS LIMIT (actually)				9 (10)			1 (2)				
Operation Condition		Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C				
		Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (0.538)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-36PN1E5×2 / U-71PEY1E5

INDOOR		MODEL	S-36PN1E5×2								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-71PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.0	7.7	
		BTU/h	24200	24200	24200				6800	26300	
	CURRENT	A	0.42×2	0.43×2	0.44×2	12.0	11.5	11.0	-	-	
	INPUT POWER	W	90×2	95×2	100×2	2.430k	2.430k	2.430k	-	-	
		TOTAL W	-			2.610k	2.620k	2.630k	325	3.300k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1310	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.72	2.71 / D	2.70	6.15	2.33	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	496	-			
	Erp ※6 Class		-	-	-	-	B	-			
	POWER FACTOR	%	-	-	-	92	92	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35				-				
		Power Level dB	57/55/52				-				
	NOISE OUTDOOR (H/L)	dB-A				50/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	7.1	7.1	7.1				1.8	8.1	
		BTU/h	24200	24200	24200				6100	27600	
	CURRENT	A	0.42×2	0.43×2	0.44×2	9.60	9.20	8.90	-	-	
	INPUT POWER	W	90×2	95×2	100×2	1.940k	1.940k	1.940k	-	-	
		TOTAL W	-			2.120k	2.130k	2.140k	275	2.840k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.35	3.33 / C	3.32	6.55	2.85	
	Erp ※6 Pdsign	kW	-	-	-	-	5.3	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	1952	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	92	92	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	40/38/35				-		/	/	
		Power Level dB	57/55/52				-				
	NOISE OUTDOOR (H/L)	dB-A	-				52/-		/	/	
		Power Level dB	-				70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.60×2/130×2	0.62×2/140×2	0.63×2/150×2	18.0/3.64k	18.0/3.81k	18.0/3.97k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	11.8/2.5k	11.3/2.5k	10.8/2.5k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			60×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2	(2.1×2)	(8.8)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m³/min (ft³/min)	14×2		(565)×2						
	HEAT	m³/min (ft³/min)	14×2		(565)×2						
O/D AIR FLOW	COOL	m³/min (ft³/min)				39		(1377)			
	HEAT	m³/min (ft³/min)				39		(1377)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PRO D	HEIGHT : H mm(inch)		250		9-27/32	569		22-13/32	/		
PRO I	WIDTH : W mm(inch)		780 (+100)		30-23/32 (+3-15/16)	790		31-7/64	/		
PRO M	DEPTH : D mm(inch)		650		25-19/32	285		11-7/32	/		
PAC D	HEIGHT : H mm		345			645			/		
PAC I	WIDTH : W mm		1007			921			/		
PAC M	DEPTH : D mm		777			386			/		
MASS	(NET) kg(lb)		29			42		(93)	/		
	(GROSS) kg(lb)		34			46		(101)	/		
LAYERS LIMIT (actually)			8 (9)			4 (5)					
Operation Condition		Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C					
		Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
PIPING	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
PIPING	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
PIPING	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
PIPING	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
PIPING	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-50PN1E5×2 / U-100PEY1E5

INDOOR		MODEL	S-50PN1E5×2								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-100PEY1E5					
Branch pipe		MODEL	CZ-P155BK1								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	0.54×2	0.55×2	0.56×2	15.9	15.2	14.7	-	-	
	INPUT POWER	W	115×2	120×2	125×2	3.320k	3.320k	3.320k	-	-	
		TOTAL W	-			3.550k	3.560k	3.570k	570	4.300k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	1780k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.82	2.81 / C	2.80	4.74	2.67	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	660	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/39/35				-				
		Power Level dB	58/56/52				-				
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	0.54×2	0.55×2	0.56×2	12.9	12.3	11.9	-	-	
	INPUT POWER	W	115×2	120×2	125×2	2.690k	2.690k	2.690k	-	-	
		TOTAL W	-			2.920k	2.930k	2.940k	450	4.100k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.42	3.41 / B	3.40	4.67	3.37	
	Erp ※6 Pdsign	kW	-	-	-	-	7.6	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2800	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	41/39/35				-		/	/	
		Power Level dB	58/56/52				-				
	NOISE OUTDOOR (H/L)	dB-A	-			54/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			0.74×2/165×2	0.76×2/180×2	0.78×2/190×2	25.0/5.300k	25.0/5.500k	25.0/5.700k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	15.9/1.7k	15.2/1.7k	14.7/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			85×2			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m³/min (ft³/min)	16×2	(565)×2							
	HEAT	m³/min (ft³/min)	16×2	(565)×2							
O/D AIR FLOW	COOL	m³/min (ft³/min)				76	(2684)				
	HEAT	m³/min (ft³/min)				67	(2366)				
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	2.60k	(91.7)	/		
PRO D	HEIGHT : H mm(inch)		250 9-27/32			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		780 (+100) 30-23/32 (+3-15/16)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		650 25-19/32			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		345			1136			/		
PAC I	WIDTH : W mm		1007			1055			/		
PAC M	DEPTH : D mm		777			485			/		
MASS	(NET) kg(lb)		29	(64)		73	(161)		/		
	(GROSS) kg(lb)		34	(75)		81	(179)		/		
LAYERS LIMIT (actually)			8 (9)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single-Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-60PN1E5 / U-60PEY1E5

INDOOR		MODEL	S-60PN1E5								
PANEL		MODEL	-			-					
OUTDOOR		MODEL				U-60PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	6.0	6.0	6.0				2.0	7.0	
		BTU/h	20500	20500	20500				6800	23900	
	CURRENT	A	1.12	1.08	1.04	9.10	8.70	8.40	-	-	
	INPUT POWER	W	140	140	140	1.850k	1.850k	1.850k	-	-	
		TOTAL W	-			1.990k	1.990k	1.990k	325	2.940k	
	ANNUAL CONSUMPTION	TOTAL kWh※4	-			995	995	995	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.02	3.02 / B	3.02	6.15	2.38	
	Erp ※6 Pdsign	kW	-	-	-	-	6.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	4.7	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	444	-			
	Erp ※6 Class		-	-	-	-	B	-			
	POWER FACTOR	%	-	-	-	92	92	92	-	-	
	NOISE INDOOR	dB-A (H/M/L)	43/41/36								
		Power Level dB	60/58/53								
	NOISE OUTDOOR	dB-A (H/L)				46/-					
		Power Level dB				65/-					
HEATING	CAPACITY	kW	6.0	6.0	6.0				1.8	7.0	
		BTU/h	20500	20500	20500				6100	23900	
	CURRENT	A	1.12	1.08	1.04	7.50	7.20	6.90	-	-	
	INPUT POWER	W	140	140	140	1.520k	1.520k	1.520k	-	-	
		TOTAL W	-			1.660k	1.660k	1.660k	275	2.420k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.61	3.61 / A	3.61	6.55	2.89	
	Erp ※6 Pdsign	kW	-	-	-	-	4.8	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	1757	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	92	92	92	-	-	
	NOISE INDOOR	dB-A (H/M/L)	43/41/36			-			/	/	
		Power Level dB	60/58/53			-					
	NOISE OUTDOOR	dB-A (H/L)	-			50/-			/	/	
		Power Level dB	-			69/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			1.28/0.160k	1.24/0.160k	1.20/0.160k	18.0/3.64k	18.0/3.81k	18.0/3.97k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	9.1/2.0k	8.7/2.0k	8.4/2.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	3.4		(7.1)	-					
External static pressure		Pa	50 (MIN10 - MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	22		(777)						
	HEAT	m^3/min (ft^3/min)	22		(777)						
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				30		(1067)			
	HEAT	m^3/min (ft^3/min)				35		(1229)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)		/	
PRO DIM	HEIGHT : H mm(inch)		250 (9-27/32)			569 (22-13/32)				/	
	WIDTH : W mm(inch)		1000(+100) (39-5/16)(+3-15/16)			790 (31-7/64)				/	
	DEPTH : D mm(inch)		650 (25-19/32)			285 (11-7/32)				/	
PAC DIM	HEIGHT : H mm		338			645				/	
	WIDTH : W mm		1211			921				/	
	DEPTH : D mm		761			386				/	
MASS	(NET) kg(lb)		32			42 (93)				/	
	(GROSS) kg(lb)		38			46 (101)				/	
LAYERS LIMIT (actually)			6 (7)			4 (5)					
Operation Condition	Cool (DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat (DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-60PN1E5×2 / U-125PEY1E5

INDOOR			MODEL	S-60PN1E5×2							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-125PEY1E5				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	1.12×2	1.08×2	1.04×2	19.9	19.0	18.4	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.165k	4.165k	4.165k	-	-
			TOTAL W		-		4.445k	4.445k	4.445k	950	5.200k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	2222.5k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.00	2.60
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-				
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	1.12×2	1.08×2	1.04×2	16.2	15.5	15.0	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.385k	3.385k	3.385k	-	-
			TOTAL W		-		3.665k	3.665k	3.665k	780	4.600k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.36	3.26
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			/	/
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	29.0/6.000k	29.0/6.300k	29.0/6.600k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	19.9/3.0k	19.0/3.0k	18.4/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	50 (MIN10 ~ MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	22×2		(777)×2					
	HEAT		m^3/min (ft^3/min)	22×2		(777)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO DIM	HEIGHT : H mm(inch)			250 9-27/32			996 (39-7/32)			/	
	WIDTH : W mm(inch)			1000 (+100) 39-5/16 (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 25-19/32			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			338			1136			/	
	WIDTH : W mm			1211			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			32		(71)	85		(188)	/	
	(GROSS) kg(lb)			38		(84)	93		(205)	/	
LAYERS LIMIT (actually)				6 (7)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-71PN1E5 / U-71PEY1E5

INDOOR		MODEL	S-71PN1E5								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-71PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	7.1	7.1	7.1				2.0	7.7	
		BTU/h	24200	24200	24200				6800	26300	
	CURRENT	A	1.12	1.08	1.04	12.0	11.5	11.0	-	-	
	INPUT POWER	W	140	140	140	2.430k	2.430k	2.430k	-	-	
		TOTAL W	-			2.570k	2.570k	2.570k	325	3.230k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			1285	1285	1285	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.76	2.76 / D	2.76	6.15	2.38	
	Erp ※6 Pdsign	kW	-	-	-	-	7.1	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.0	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	496	-			
	Erp ※6 Class		-	-	-	-	B	-			
	POWER FACTOR	%	-	-	-	92	92	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36				-				
		Power Level dB	60/58/53				-				
	NOISE OUTDOOR (H/L)	dB-A				50/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	7.1	7.1	7.1				1.8	8.1	
		BTU/h	24200	24200	24200				6100	27600	
	CURRENT	A	1.12	1.08	1.04	9.60	9.20	8.90	-	-	
	INPUT POWER	W	140	140	140	1.940k	1.940k	1.940k	-	-	
		TOTAL W	-			2.080k	2.080k	2.080k	275	2.780k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.41	3.41 / B	3.41	6.55	2.91	
	Erp ※6 Pdsign	kW	-	-	-	-	5.3	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-7	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	1952	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	92	92	91	-	-	
	NOISE INDOOR (H/M/L)	dB-A	43/41/36				-		/	/	
		Power Level dB	60/58/53				-				
	NOISE OUTDOOR (H/L)	dB-A	-				52/-		/	/	
		Power Level dB	-				70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			1.28/0.160k	1.24/0.160k	1.20/0.160k	18.0/3.64k	18.0/3.81k	18.0/3.97k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	11.8/2.5k	11.3/2.5k	10.8/2.5k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			120			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	4.2		(8.8)	-					
External static pressure		Pa	50 (MIN10 ~ MAX80)								
I/D AIR FLOW	COOL	m³/min (ft³/min)	22		(777)						
	HEAT	m³/min (ft³/min)	22		(777)						
O/D AIR FLOW	COOL	m³/min (ft³/min)				39		(1377)			
	HEAT	m³/min (ft³/min)				39		(1377)			
REFRIGERANT TYPE, AMOUNT g(oz)						R410A	1.70k	(60.0)	/		
PRO DIM	HEIGHT : H mm(inch)		250		9-27/32	569		22-13/32	/		
	WIDTH : W mm(inch)		1000 (+100)		39-5/16 (+3-15/16)	790		31-7/64	/		
	DEPTH : D mm(inch)		650		25-19/32	285		11-7/32	/		
PAC DIM	HEIGHT : H mm		338			645			/		
	WIDTH : W mm		1211			921			/		
	DEPTH : D mm		761			386			/		
MASS	(NET) kg(lb)		32			42		(93)	/		
	(GROSS) kg(lb)		38			46		(101)	/		
LAYERS LIMIT (actually)			6 (7)			4 (5)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		40 (0.430)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		20 (65.6)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-100PN1E5 / U-100PEY1E5

INDOOR		MODEL	S-100PN1E5								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-100PEY1E5					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			1ø 50Hz					
		V	220	230	240	220	230	240	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	1.54	1.48	1.42	16.0	15.3	14.8	-	-	
	INPUT POWER	W	205	205	205	3.350k	3.350k	3.350k	-	-	
		TOTAL W		-		3.555k	3.555k	3.555k	570	4.300k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1777.5k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.74	2.67	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.3	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	660	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/42/37				-				
		Power Level dB	65/63/58				-				
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	1.54	1.48	1.42	13.0	12.5	12.1	-	-	
	INPUT POWER	W	205	205	205	2.730k	2.730k	2.730k	-	-	
		TOTAL W		-		2.935k	2.935k	2.935k	450	4.100k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.67	3.37	
	Erp ※6 Pdsign	kW	-	-	-	-	7.6	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2800	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	95	95	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/42/37				-		/	/	
		Power Level dB	65/63/58				-				
	NOISE OUTDOOR (H/L)	dB-A	-			54/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			2.13/275	2.07/275	2.01/275	25.0/5.300k	25.0/5.500k	25.0/5.700k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	16.0/1.7k	15.3/1.7k	14.8/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			200			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (12.6)			-					
External static pressure		Pa	50 (MIN10 ~ MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	36 (1271)								
	HEAT	m^3/min (ft^3/min)	36 (1271)								
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				76 (2684)					
	HEAT	m^3/min (ft^3/min)				67 (2366)					
REFRIGERANT TYPE, AMOUNT g(oz)						R410A 2.60k (91.7)			/		
PRO DIM	HEIGHT : H mm(inch)		250 9-27/32			996 (39-7/32)			/		
	WIDTH : W mm(inch)		1200 (+100) 47-1/4 (+3-15/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		650 25-19/32			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		338			1136			/		
	WIDTH : W mm		1402			1055			/		
	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		41 (91)			73 (161)			/		
	(GROSS) kg(lb)		48 (106)			81 (179)			/		
LAYERS LIMIT (actually)			6 (7)			2 (3)					
Operation Condition		Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C					
		Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-125PN1E5 / U-125PEY1E5

INDOOR			MODEL	S-125PN1E5							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-125PEY1E5				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			1ø 50Hz				
			V	220	230	240	220	230	240	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	48100
	CURRENT		A	1.74	1.67	1.61	20.1	19.3	18.7	-	-
	INPUT POWER		W	225	225	225	4.220k	4.220k	4.220k	-	-
			TOTAL W	-			4.445k	4.445k	4.445k	950	5.200k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2222.5k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.00	2.60
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/43/38			-				
			Power Level dB	66/64/59			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	1.74	1.67	1.61	16.5	15.8	15.2	-	-
	INPUT POWER		W	225	225	225	3.440k	3.440k	3.440k	-	-
			TOTAL W	-			3.665k	3.665k	3.665k	780	4.600k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.36	3.26
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	95	95	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	45/43/38			-			/	/
			Power Level dB	66/64/59			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				2.36/300	2.30/300	2.24/300	29.0/6.000k	29.0/6.300k	29.0/6.600k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	20.1/3.0k	19.3/3.0k	18.7/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9		(16.6)	-				
External static pressure			Pa	50 (MIN10 ~ MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	38		(1342)					
	HEAT		m^3/min (ft^3/min)	38		(1342)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO DIM	HEIGHT : H mm(inch)			250 9-27/32			996 (39-7/32)			/	
	WIDTH : W mm(inch)			1200 (+100) 47-1/4 (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 25-19/32			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			338			1136			/	
	WIDTH : W mm			1402			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			41		(91)	85		(188)	/	
	(GROSS) kg(lb)			48		(106)	93		(205)	/	
LAYERS LIMIT (actually)				6 (7)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-50PN1E5×2 / U-100PEY1E8

INDOOR			MODEL	S-50PN1E5×2							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-100PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN14825							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	10.0	10.0	10.0				2.7	11.5
			BTU/h	34100	34100	34100				9200	39200
	CURRENT		A	0.54×2	0.55×2	0.56×2	5.45	5.20	5.00	-	-
	INPUT POWER		W	115×2	120×2	125×2	3.320k	3.320k	3.320k	-	-
			TOTAL W	-			3.550k	3.560k	3.570k	570	4.300k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	1780k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.82	2.81 / C	2.80	4.74	2.67
	Erp ※6	Pdsign	kW	-	-	-	-	10.0	-		
		SEER	(W/W)	-	-	-	-	5.2	-		
		Annual consumption	kWh	-	-	-	-	673	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	93	92	92	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35				-			
			Power Level dB	58/56/52				-			
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				70/-				
HEATING	CAPACITY		kW	10.0	10.0	10.0				2.1	13.8
			BTU/h	34100	34100	34100				7200	47100
	CURRENT		A	0.54×2	0.55×2	0.56×2	4.40	4.20	4.00	-	-
	INPUT POWER		W	115×2	120×2	125×2	2.690k	2.690k	2.690k	-	-
			TOTAL W	-			2.920k	2.930k	2.940k	450	4.100k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.42	3.41 / B	3.40	4.67	3.37
	Erp ※6	Pdsign	kW	-	-	-	-	7.6	-		
		Tbivalen	°C	-	-	-	-	-10	-		
		SCOP	(W/W)	-	-	-	-	3.8	-		
		Annual consumption	kWh	-	-	-	-	2800	-		
		Class		-	-	-	-	A	-		
	POWER FACTOR		%	-	-	-	93	93	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	41/39/35				-		/	/
			Power Level dB	58/56/52				-			
	NOISE OUTDOOR (H/L)		dB-A	-				54/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				0.74×2/165×2	0.76×2/180×2	0.78×2/190×2	9.0/5.550k	9.0/5.800k	9.0/6.050k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	5.45/1.7k	5.20/1.7k	5.00/1.7k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				85×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	6.0	(3.0×2)	(12.6)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	16×2		(565)×2					
	HEAT		m^3/min (ft^3/min)	16×2		(565)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				76		(2684)		
	HEAT		m^3/min (ft^3/min)				67		(2366)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	2.60k	(91.7)	/	
PRO DIM	HEIGHT : H mm(inch)			250 9-27/32			996 (39-7/32)			/	
	WIDTH : W mm(inch)			780 (+100) 30-23/32 (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 25-19/32			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			345			1136			/	
	WIDTH : W mm			1007			1055			/	
	DEPTH : D mm			777			485			/	
MASS	(NET) kg(lb)			29		(64)	73		(161)	/	
	(GROSS) kg(lb)			34		(75)	81		(179)	/	
LAYERS LIMIT (actually)				8 (9)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø6.35(1/4) (Gas)ø12.7(1/2)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-60PN1E5×2 / U-125PEY1E8

INDOOR			MODEL	S-60PN1E5×2							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-125PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	12.5	12.5	12.5				3.8	13.5
			BTU/h	42700	42700	42700				13000	46100
	CURRENT		A	1.12×2	1.08×2	1.04×2	6.75	6.40	6.20	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.165k	4.165k	4.165k	-	-
			TOTAL W		-		4.445k	4.445k	4.445k	950	5.200k
	ANNUAL CONSUMPTION		TOTAL W ※4		-		-	2222.5k	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.00	2.60
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-				
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A				56/-				
			Power Level dB				73/-				
HEATING	CAPACITY		kW	12.5	12.5	12.5				3.4	15.0
			BTU/h	42700	42700	42700				11600	51200
	CURRENT		A	1.12×2	1.08×2	1.04×2	5.45	5.20	5.00	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.385k	3.385k	3.385k	-	-
			TOTAL W		-		3.665k	3.665k	3.665k	780	4.600k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.36	3.26
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	94	94	94	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36			-			/	/
			Power Level dB	60/58/53			-				
	NOISE OUTDOOR (H/L)		dB-A	-			56/-			/	/
			Power Level dB	-			73/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	6.75/3.0k	6.40/3.0k	6.20/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120×2			90			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	7.9	(3.95×2)	(16.6)	-				
External static pressure			Pa	50 (MIN10 ~ MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	22×2		(777)×2					
	HEAT		m^3/min (ft^3/min)	22×2		(777)×2					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				80		(2825)		
	HEAT		m^3/min (ft^3/min)				73		(2578)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.20k	(112.9)	/	
PRO DIM	HEIGHT : H mm(inch)			250 9-27/32			996 (39-7/32)			/	
	WIDTH : W mm(inch)			1000 (+100) 39-5/16 (+3-15/16)			940 (37-1/32)			/	
	DEPTH : D mm(inch)			650 25-19/32			340 (13-13/32)			/	
PAC DIM	HEIGHT : H mm			338			1136			/	
	WIDTH : W mm			1211			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			32		(71)	85		(188)	/	
	(GROSS) kg(lb)			38		(84)	93		(205)	/	
LAYERS LIMIT (actually)				6 (7)			2 (3)				
Operation Condition			Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C				
			Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Simultaneous (Twin) -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-71PN1E5×2 / U-140PEY1E8

INDOOR			MODEL	S-71PN1E5×2							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-140PEY1E8				
Branch pipe			MODEL	CZ-P155BK1							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN12102							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.12×2	1.08×2	1.04×2	7.05	6.70	6.45	-	-
	INPUT POWER		W	140×2	140×2	140×2	4.450k	4.450k	4.450k	-	-
			TOTAL W	-			4.730k	4.730k	4.730k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2365	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.96	2.96 / A	2.96	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36				-			
			Power Level dB	60/58/53				-			
	NOISE OUTDOOR (H/L)		dB-A					54/-			
			Power Level dB					71/-			
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.12×2	1.08×2	1.04×2	5.90	5.60	5.40	-	-
	INPUT POWER		W	140×2	140×2	140×2	3.730k	3.730k	3.730k	-	-
			TOTAL W	-			4.010k	4.010k	4.010k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.49	3.49 / A	3.49	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	43/41/36				-		/	/
			Power Level dB	60/58/53				-			
	NOISE OUTDOOR (H/L)		dB-A	-				53/-		/	/
			Power Level dB	-				70/-			
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				1.28×2/160×2	1.24×2/160×2	1.20×2/160×2	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	7.05/3.0k	6.70/3.0k	6.45/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				120			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0	(4.5×2)	(18.9)	-				
External static pressure			Pa	50 (MIN10 - MAX80)							
I/D AIR FLOW	COOL		m³/min (ft³/min)	22×2		(777)×2					
	HEAT		m³/min (ft³/min)	22×2		(777)×2					
O/D AIR FLOW	COOL		m³/min (ft³/min)				135		(4767)		
	HEAT		m³/min (ft³/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO D	HEIGHT : H mm(inch)			250 9-27/32			1416 55-3/4			/	
PRO I	WIDTH : W mm(inch)			1000 (+100) 39-5/16 (+3-15/16)			940 37-1/32			/	
PRO M	DEPTH : D mm(inch)			650 25-19/32			340 13-13/32			/	
PAC D	HEIGHT : H mm			338			1556			/	
PAC I	WIDTH : W mm			1211			1055			/	
PAC M	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			32			98			/	
	(GROSS) kg(lb)			38			108			/	
LAYERS LIMIT (actually)				6 (7)			1 (2)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-10°C ~ 43°C				
	Heat O.D(DBT)			16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-100PN1E5 / U-100PEY1E8

INDOOR		MODEL	S-100PN1E5								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-100PEY1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511 / EN14825								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	10.0	10.0	10.0				2.7	11.5	
		BTU/h	34100	34100	34100				9200	39200	
	CURRENT	A	1.54	1.48	1.42	5.45	5.20	5.05	-	-	
	INPUT POWER	W	205	205	205	3.350k	3.350k	3.350k	-	-	
		TOTAL W		-		3.555k	3.555k	3.555k	570	4.300k	
	ANNUAL CONSUMPTION	TOTAL W ※4		-		-	1777.5k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.74	2.67	
	Erp ※6 Pdsign	kW	-	-	-	-	10.0	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	5.2	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	673	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	94	93	92	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/42/37				-				
		Power Level dB	65/63/58				-				
	NOISE OUTDOOR (H/L)	dB-A				54/-					
		Power Level dB				70/-					
HEATING	CAPACITY	kW	10.0	10.0	10.0				2.1	13.8	
		BTU/h	34100	34100	34100				7200	47100	
	CURRENT	A	1.54	1.48	1.42	4.45	4.25	4.10	-	-	
	INPUT POWER	W	205	205	205	2.730k	2.730k	2.730k	-	-	
		TOTAL W		-		2.935k	2.935k	2.935k	450	4.100k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.67	3.37	
	Erp ※6 Pdsign	kW	-	-	-	-	7.6	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-10	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	3.8	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	2800	-			
	Erp ※6 Class		-	-	-	-	A	-			
	POWER FACTOR	%	-	-	-	93	93	93	-	-	
	NOISE INDOOR (H/M/L)	dB-A	44/42/37				-		/	/	
		Power Level dB	65/63/58				-				
	NOISE OUTDOOR (H/L)	dB-A	-			54/-			/	/	
		Power Level dB	-			70/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			2.13/275	2.07/275	2.01/275	9.0/5.550k	9.0/5.800k	9.0/6.05k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	5.45/1.7k	5.20/1.7k	5.05/1.7k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			200			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	6.0 (12.6)			-					
External static pressure		Pa	50 (MIN10 ~ MAX80)								
I/D AIR FLOW	COOL	m³/min (ft³/min)	36 (1271)								
	HEAT	m³/min (ft³/min)	36 (1271)								
O/D AIR FLOW	COOL	m³/min (ft³/min)				76 (2684)					
	HEAT	m³/min (ft³/min)				67 (2366)					
REFRIGERANT TYPE, AMOUNT g(oz)						R410A 2.60k (91.7)			/		
PRO D	HEIGHT : H mm(inch)		250 9-27/32			996 (39-7/32)			/		
PRO I	WIDTH : W mm(inch)		1200 (+100) 47-1/4 (+3-15/16)			940 (37-1/32)			/		
PRO M	DEPTH : D mm(inch)		650 25-19/32			340 (13-13/32)			/		
PAC D	HEIGHT : H mm		338			1136			/		
PAC I	WIDTH : W mm		1402			1055			/		
PAC M	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		41 (91)			73 (161)			/		
	(GROSS) kg(lb)		48 (106)			81 (179)			/		
LAYERS LIMIT (actually)			6 (7)			2 (3)					
Operation Condition	Cool O.D(DBT)		18°C ~ 32°C			-10°C ~ 43°C					
	Heat O.D(DBT)		16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m³/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-125PN1E5 / U-125PEY1E8

INDOOR		MODEL	S-125PN1E5								
PANEL		MODEL	-								
OUTDOOR		MODEL				U-125PEY1E8					
Branch pipe		MODEL	-								
PERFORMANCE TEST CONDITION			ISO5151 / EN14511								
POWER SUPPLY		ø, Hz	1ø 50Hz			3ø 50Hz					
		V	220	230	240	380	400	415	Min	Max	
COOLING	CAPACITY	kW	12.5	12.5	12.5				3.8	13.5	
		BTU/h	42700	42700	42700				13000	48100	
	CURRENT	A	1.74	1.67	1.61	6.85	6.50	6.25	-	-	
	INPUT POWER	W	225	225	225	4.220k	4.220k	4.220k	-	-	
		TOTAL W	-			4.445k	4.445k	4.445k	950	5.200k	
	ANNUAL CONSUMPTION	TOTAL W ※4	-			-	2222.5k	-	-	-	
	EER/EER CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	2.81	2.81 / C	2.81	4.00	2.60	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 SEER	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	45/43/38			-					
		Power Level dB	66/64/59			-					
	NOISE OUTDOOR (H/L)	dB-A				56/-					
		Power Level dB				73/-					
HEATING	CAPACITY	kW	12.5	12.5	12.5				3.4	15.0	
		BTU/h	42700	42700	42700				11600	51200	
	CURRENT	A	1.74	1.67	1.61	5.55	5.30	5.10	-	-	
	INPUT POWER	W	225	225	225	3.440k	3.440k	3.440k	-	-	
		TOTAL W	-			3.665k	3.665k	3.665k	780	4.600k	
	COP/COP CLASS	TOTAL(W/W)※5("A"~"G")	-	-	-	3.41	3.41 / B	3.41	4.36	3.26	
	Erp ※6 Pdsign	kW	-	-	-	-	-	-			
	Erp ※6 Tbivalen	°C	-	-	-	-	-	-			
	Erp ※6 SCOP	(W/W)	-	-	-	-	-	-			
	Erp ※6 Annual consumption	kWh	-	-	-	-	-	-			
	Erp ※6 Class		-	-	-	-	-	-			
	POWER FACTOR	%	-	-	-	94	94	94	-	-	
	NOISE INDOOR (H/M/L)	dB-A	45/43/38			-			/	/	
		Power Level dB	66/64/59			-					
	NOISE OUTDOOR (H/L)	dB-A	-			56/-			/	/	
		Power Level dB	-			73/-					
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP		-								
MAX CURRENT(A)/MAX INPUT POWER(W)			2.36/300	2.30/300	2.24/300	10.0/6.200k	10.0/6.500k	10.0/6.750k	/		
STARTING CURRENT(A)/COMP OUTPUT(W)			-	-	-	6.85/3.0k	6.50/3.0k	6.25/3.0k	/		
NETWORK IMPEDANCE (ΩMAX.)			-			-					
FM OUTPUT (W)			200			90			/		
MOISTURE REMOVAL VOLUME		L/h(Pt/h)	7.9 (16.6)			-					
External static pressure		Pa	50 (MIN10 ~ MAX80)								
I/D AIR FLOW	COOL	m^3/min (ft^3/min)	38 (1342)								
	HEAT	m^3/min (ft^3/min)	38 (1342)								
O/D AIR FLOW	COOL	m^3/min (ft^3/min)				80 (2825)					
	HEAT	m^3/min (ft^3/min)				73 (2578)					
REFRIGERANT TYPE, AMOUNT g(oz)						R410A 3.20k (112.9)			/		
PRO DIM	HEIGHT : H mm(inch)		250 9-27/32			996 (39-7/32)			/		
	WIDTH : W mm(inch)		1200 (+100) 47-1/4 (+3-15/16)			940 (37-1/32)			/		
	DEPTH : D mm(inch)		650 25-19/32			340 (13-13/32)			/		
PAC DIM	HEIGHT : H mm		338			1136			/		
	WIDTH : W mm		1402			1055			/		
	DEPTH : D mm		761			485			/		
MASS	(NET) kg(lb)		41 (91)			85 (188)			/		
	(GROSS) kg(lb)		48 (106)			93 (205)			/		
LAYERS LIMIT (actually)			6 (7)			2 (3)					
Operation Condition		Cool O.D(DBT)	18°C ~ 32°C			-10°C ~ 43°C					
		Heat O.D(DBT)	16°C ~ 30°C			-15°C ~ 24°C					
PIPING	PIPE DIAMETER mm (inch)		(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)					
	CONNECT METHOD, STD LENGTH m (ft)		flared type, 5.0(16.4)			flared type, 5.0(16.4)					
	PIPE LENGTH RANGE m (ft)		5 ~ 50 (16.4 ~ 164.0)						~	~	
	I/D&O/D HEIGHT DIFFERENCE m (ft)		15 (OD located lower) / 30 (OD located higher) (49.2/98.4)								
	ADD GAS AMOUNT g/m (oz/ft)		50 (537.6)								
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)		30 (98.4)								

*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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Single -Type

1-1. Unit Specifications

PEY1

7. Ducted Type S-140PN1E5 / U-140PEY1E8

INDOOR			MODEL	S-140PN1E5							
PANEL			MODEL	-							
OUTDOOR			MODEL				U-140PEY1E8				
Branch pipe			MODEL	-							
PERFORMANCE TEST CONDITION				ISO5151 / EN14511 / EN12012							
POWER SUPPLY			ø, Hz	1ø 50Hz			3ø 50Hz				
			V	220	230	240	380	400	415	Min	Max
COOLING	CAPACITY		kW	14.0	14.0	14.0				3.3	15.5
			BTU/h	47800	47800	47800				11300	52900
	CURRENT		A	1.89	1.82	1.74	7.05	6.70	6.45	-	-
	INPUT POWER		W	250	250	250	4.450k	4.450k	4.450k	-	-
			TOTAL W	-			4.700k	4.700k	4.700k	840	6.000k
	ANNUAL CONSUMPTION		TOTAL W ※4	-			-	2350	-	-	-
	EER/EER CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	2.98	2.98 / C	2.98	3.93	2.58
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		SEER	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	46/44/39			-				
			Power Level dB	67/65/60			-				
	NOISE OUTDOOR (H/L)		dB-A				54/-				
			Power Level dB				71/-				
HEATING	CAPACITY		kW	14.0	14.0	14.0				4.1	16.0
			BTU/h	47800	47800	47800				14000	54600
	CURRENT		A	1.89	1.82	1.74	5.90	5.60	5.40	-	-
	INPUT POWER		W	250	250	250	3.730k	3.730k	3.730k	-	-
			TOTAL W	-			3.980k	3.980k	3.980k	900	5.200k
	COP/COP CLASS		TOTAL(W/W)※5("A"~"G")	-	-	-	3.52	3.52 / B	3.52	4.56	3.08
	Erp ※6	Pdsign	kW	-	-	-	-	-	-		
		Tbivalen	°C	-	-	-	-	-	-		
		SCOP	(W/W)	-	-	-	-	-	-		
		Annual consumption	kWh	-	-	-	-	-	-		
		Class		-	-	-	-	-	-		
	POWER FACTOR		%	-	-	-	96	96	96	-	-
	NOISE INDOOR (H/M/L)		dB-A	46/44/39			-			/	/
			Power Level dB	67/65/60			-				
	NOISE OUTDOOR (H/L)		dB-A	-			53/-			/	/
			Power Level dB	-			70/-				
EXTRA LOW TEMP	Total CAPACITY(kW)/INPUT POWER(W)/COP			-							
MAX CURRENT(A)/MAX INPUT POWER(W)				2.59/0.345k	2.53/0.345k	2.47/0.345k	10.0/6.200k	10.0/6.500k	10.0/6.750k	/	
STARTING CURRENT(A)/COMP OUTPUT(W)				-	-	-	7.05/3.0k	6.70/3.0k	6.45/3.0k	/	
NETWORK IMPEDANCE (ΩMAX.)				-			-				
FM OUTPUT (W)				200			90×2			/	
MOISTURE REMOVAL VOLUME			L/h(Pt/h)	9.0		(18.9)	-				
External static pressure			Pa	50 (MIN10 ~ MAX80)							
I/D AIR FLOW	COOL		m^3/min (ft^3/min)	40		(1413)					
	HEAT		m^3/min (ft^3/min)	40		(1413)					
O/D AIR FLOW	COOL		m^3/min (ft^3/min)				135		(4767)		
	HEAT		m^3/min (ft^3/min)				120		(4238)		
REFRIGERANT TYPE, AMOUNT g(oz)							R410A	3.40k	(119.9)	/	
PRO DIM	HEIGHT : H mm(inch)			250 9-27/32			1416 55-3/4			/	
	WIDTH : W mm(inch)			1200 (+100) 47-1/4 (+3-15/16)			940 37-1/32			/	
	DEPTH : D mm(inch)			650 25-19/32			340 13-13/32			/	
PAC DIM	HEIGHT : H mm			338			1556			/	
	WIDTH : W mm			1402			1055			/	
	DEPTH : D mm			761			485			/	
MASS	(NET) kg(lb)			41			98			/	
	(GROSS) kg(lb)			48			108			/	
LAYERS LIMIT (actually)				6 (7)			1 (2)				
Operation Condition	Cool O.D(DBT)			18°C ~ 32°C			-10°C ~ 43°C				
	Heat O.D(DBT)			16°C ~ 30°C			-15°C ~ 24°C				
PIPING	PIPE DIAMETER mm (inch)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)			(Liquid)ø9.52(3/8) (Gas)ø15.88(5/8)				
	CONNECT METHOD, STD LENGTH m (ft)			flared type, 5.0(16.4)			flared type, 5.0(16.4)				
	PIPE LENGTH RANGE m (ft)			5 ~ 50 (16.4 ~ 164.0)						~	~
	I/D&O/D HEIGHT DIFFERENCE m (ft)			15 (OD located lower) / 30 (OD located higher) (49.2/98.4)							
	ADD GAS AMOUNT g/m (oz/ft)			50 (537.6)							
	PIPE LENGTH FOR ADDITIONAL GAS m (ft)			30 (98.4)							

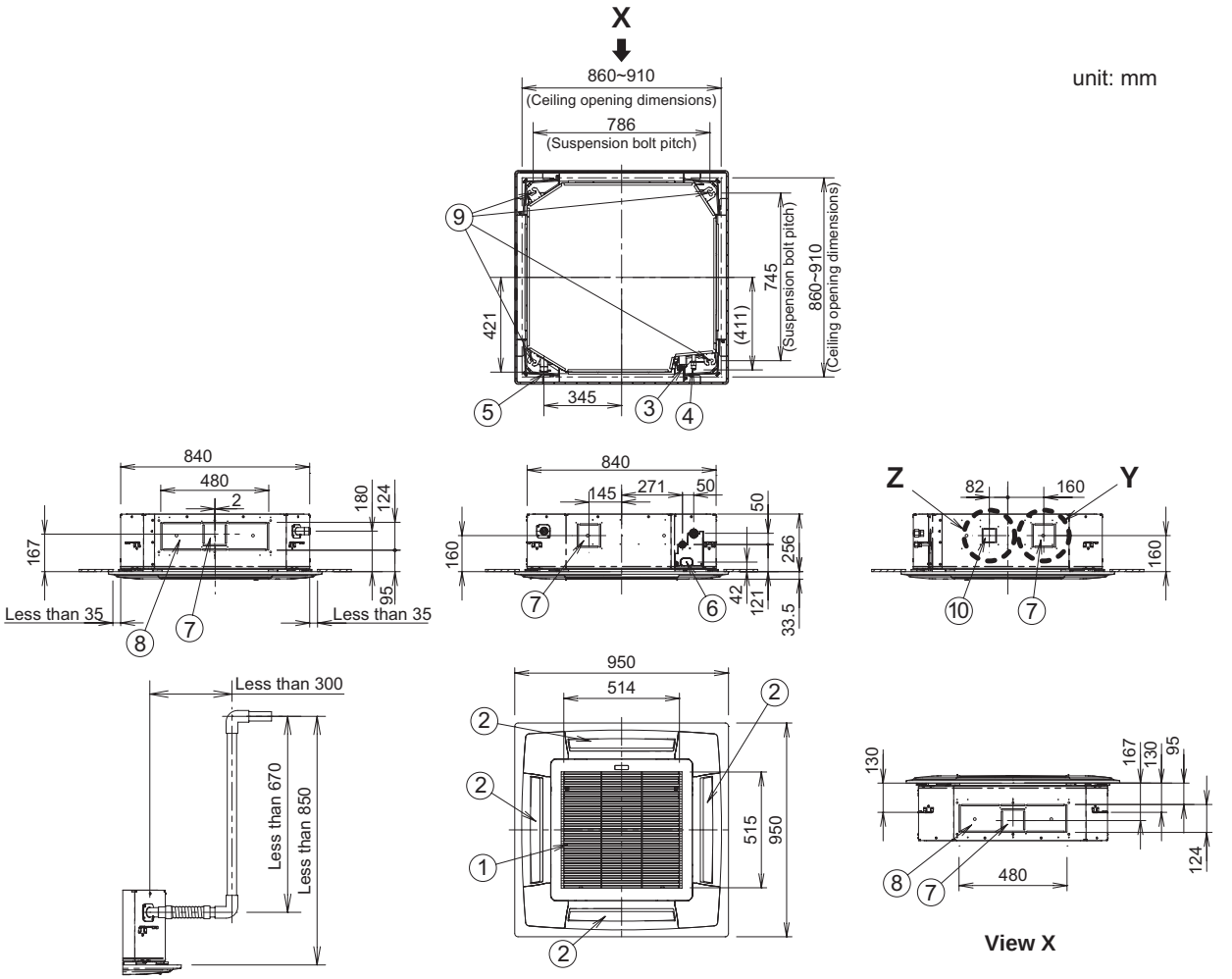
*1: In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
*2: If the EUROVENT Certified models can be operated under the "extra-low" temperature condition, -7°C dry bulb and -8°C wet-bulb temperatures with rated voltage 230 V shall be used.
*3: Network Impedance shall be applicable for EUROPE and CHINA models.
*4: The annual consumption is calculated by multiplying the input power at 230 V (400 V) by an average of 500 hours per year in cooling mode.
*5: EER and COP classification is at 230 V (400 V) only in accordance with EU directive 2002/31/EC.
*6: SEER and SCOP classification is at 230V(400V) only in accordance with EN-14825. For heating, SCOP indicates the value of only Average heating season, Other fiche data indicates in an attached sheet.

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1-2. Dimensional Data

(A) Indoor Units: S-36PU1E5 / S-45PU1E5 / S-50PU1E5 / S-60PU1E5 / S-71PU1E5

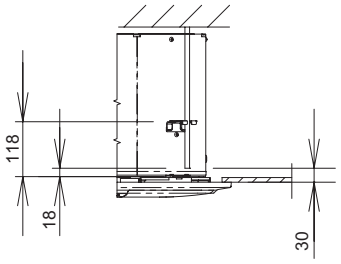
unit: mm

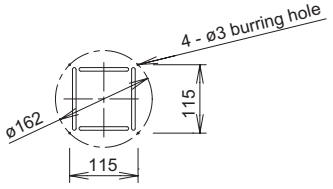


View X

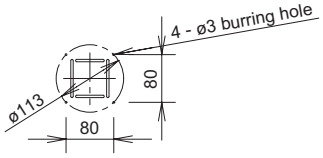
Raise dimension of drain tube

The length of the suspension bolts should be selected so that there is a gap of 30 mm or more below the lower surface of the ceiling (18 mm or more below the lower surface of the main unit), as shown in the figure at right. If the suspension bolt is too long, it will contact the ceiling panel and the unit cannot be installed.





Detailed view Y



Detailed view Z

①	Air intake
②	Discharge outlet
③	Refrigerant tubing (liquid tube) 36-50 type ø6.35 (flared), 60 • 71 type ø9.52 (flared)
④	Refrigerant tubing (gas tube) 36-50 type ø12.7 (flared), 60 • 71 type ø15.88 (flared)
⑤	Drain tube connection port VP25 (outer dia. ø32)
⑥	Power supply port
⑦	Discharge duct connection port (ø150)
⑧	Vaporization-type humidifier (optional) installation area
⑨	Suspension bolt hole (4-12×30 elongated hole)
⑩	Fresh air intake duct connection port (ø100) *

* Necessary to provide optional air intake kit.

<Filter dimension>

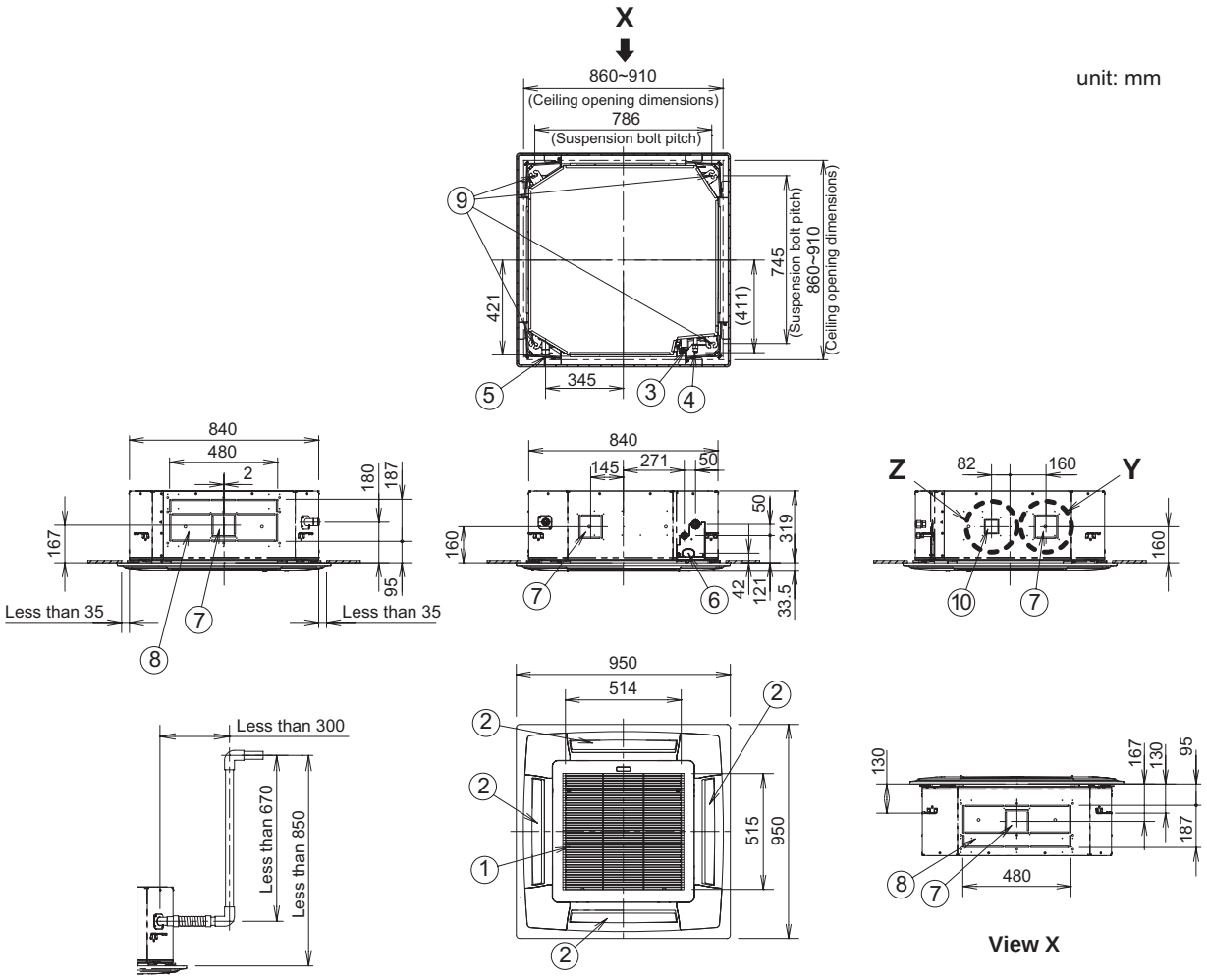
520 x 520 x 16

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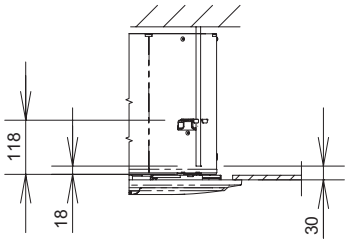
1-2. Dimensional Data

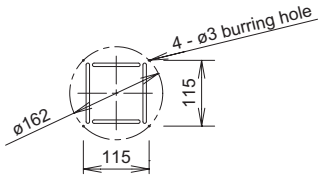
(A) Indoor Units: S-100PU1E5 / S-125PU1E5 / S-140PU1E5

unit: mm

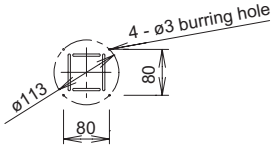


The length of the suspension bolts should be selected so that there is a gap of 30 mm or more below the lower surface of the ceiling (18 mm or more below the lower surface of the main unit), as shown in the figure at right. If the suspension bolt is too long, it will contact the ceiling panel and the unit cannot be installed.





Detailed view Y



Detailed view Z

①	Air intake
②	Discharge outlet
③	Refrigerant tubing (liquid tube) ø9.52 (flared)
④	Refrigerant tubing (gas tube) ø15.88 (flared)
⑤	Drain tube connection port VP25 (outer dia. ø32)
⑥	Power supply port
⑦	Discharge duct connection port (ø150)
⑧	Vaporization-type humidifier (optional) installation area
⑨	Suspension bolt hole (4-12×30 elongated hole)
⑩	Fresh air intake duct connection port (ø100) *

* Necessary to provide optional air intake kit.

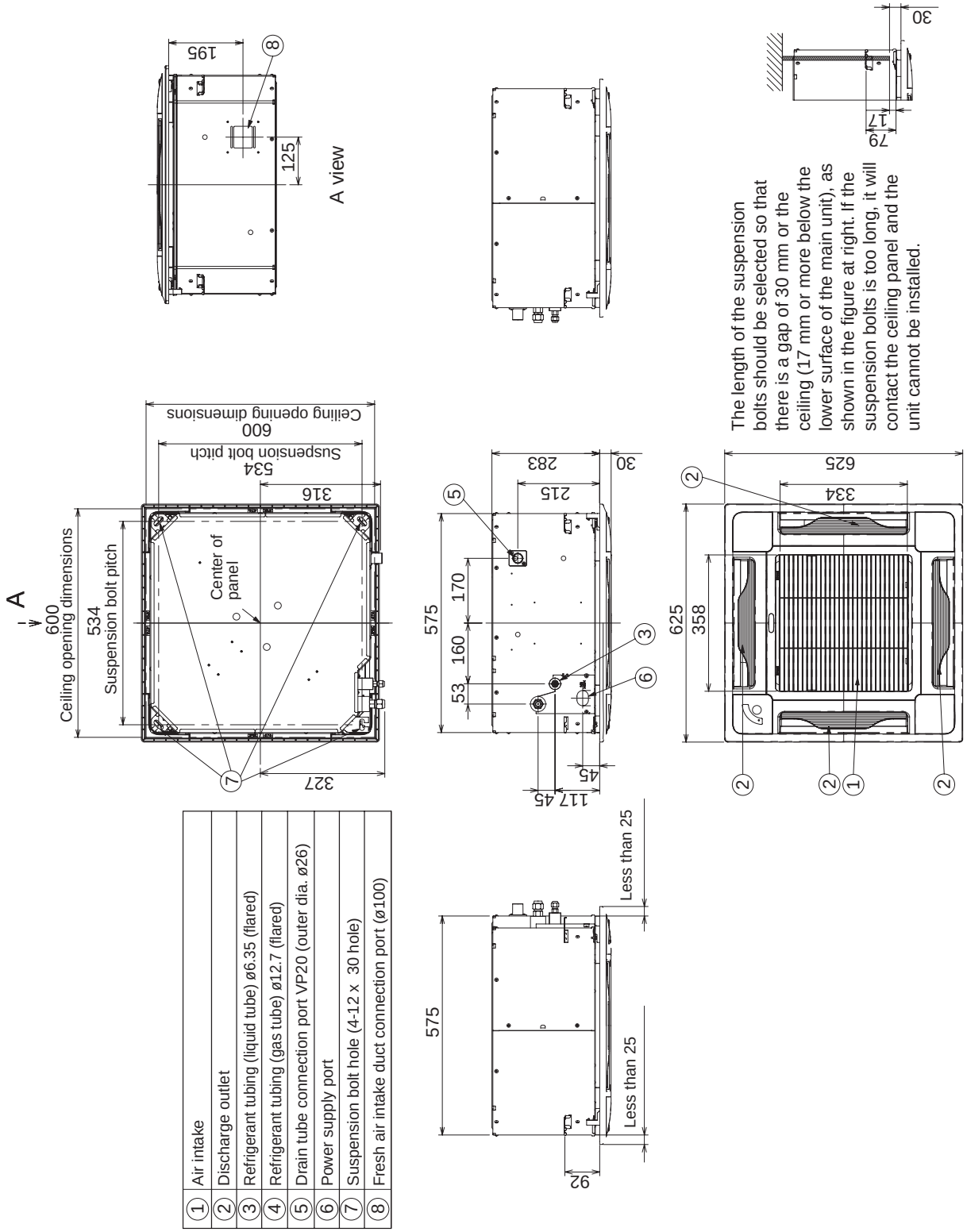
<Filter dimension>

520 x 520 x 16

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1-2. Dimensional Data

(A) Indoor Units: S-36PY1E5, S-45PY1E5, S-50PY1E5



①	Air intake
②	Discharge outlet
③	Refrigerant tubing (liquid tube) ø6.35 (flared)
④	Refrigerant tubing (gas tube) ø12.7 (flared)
⑤	Drain tube connection port VP20 (outer dia. ø26)
⑥	Power supply port
⑦	Suspension bolt hole (4-12 x 30 hole)
⑧	Fresh air intake duct connection port (ø100)

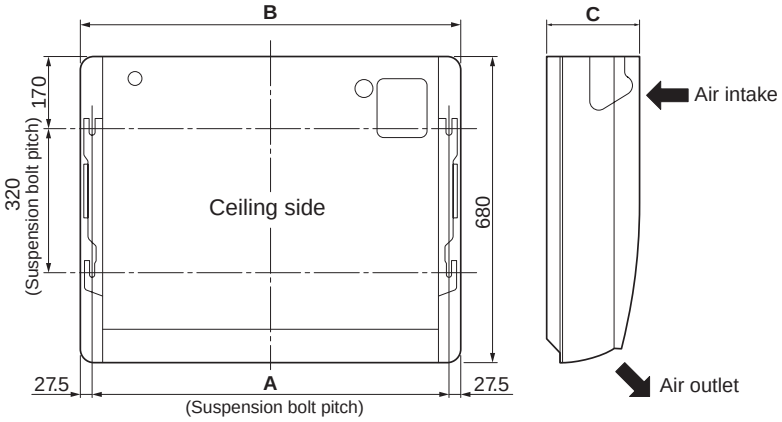
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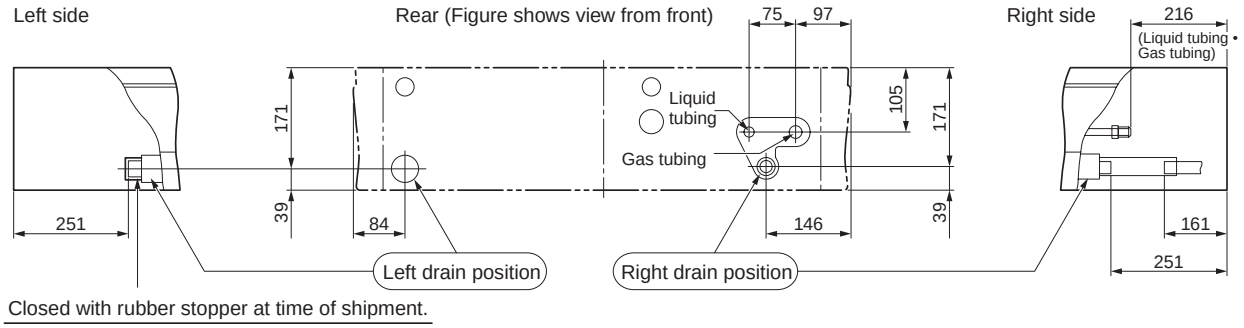
1-2. Dimensional Data

(A) Indoor Units: S-36PT1E5, S-45PT1E5, S-50PT1E5, S-60PT1E5 S-71PT1E5, S-100PT1E5, S-125PT1E5, S-140PT1E5

Length Type	A	B	C
36, 45, 50	855	910	210
60, 71	1125	1180	210
100, 125, 140	1540	1595	210

Unit: mm





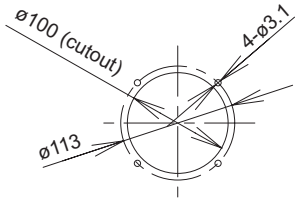
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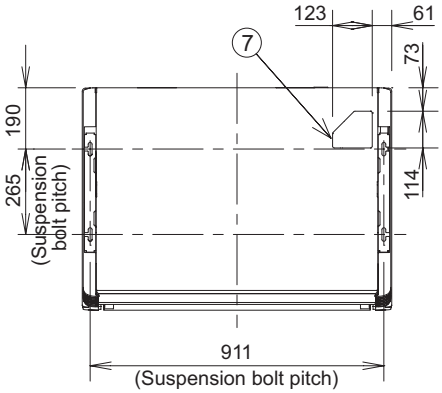
1-2. Dimensional Data

(A) Indoor Units: S-36PT2E5, S-45PT2E5, S-50PT2E5

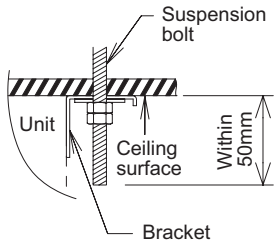
unit :mm

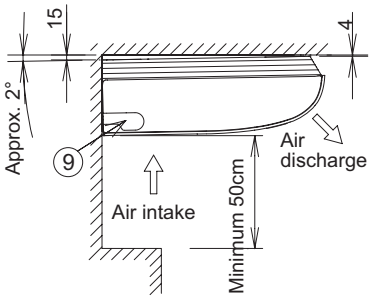
Detailed view of intaking outside air duct connection port

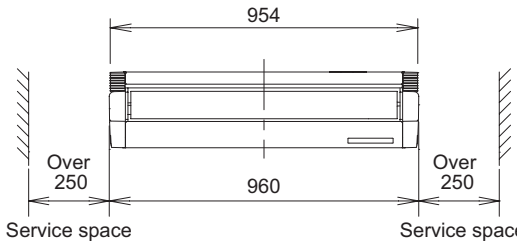


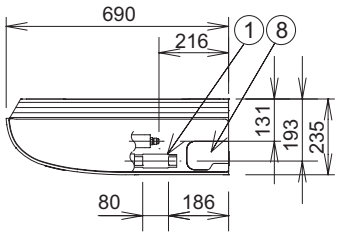


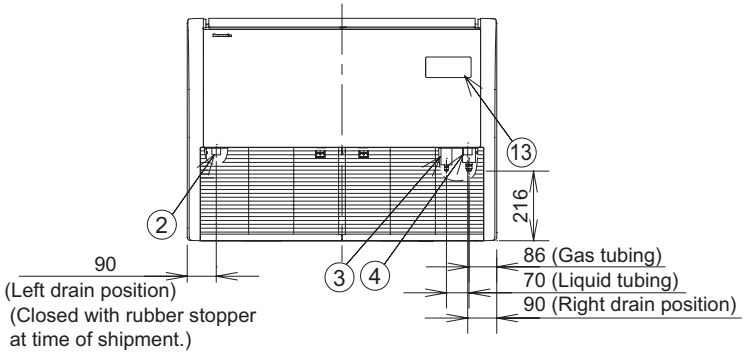
Distance of each exposed bolt must be of equal length within 50mm.









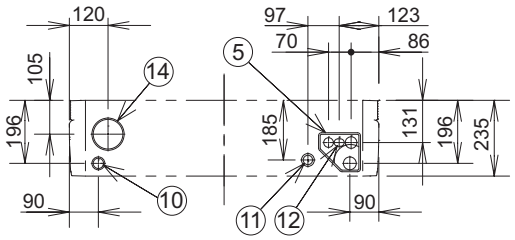


①	Drain port VP20 (inside diameter ø26mm, drain hose supplied)
②	Left drain position
③	Refrigerant liquid tubing (ø6.35mm, flare connection)
④	Refrigerant gas tubing (ø12.7mm, flare connection)
⑤	Cover of rear tubing hole
⑥	Tubing hole on wall surface (ø100mm)
⑦	Upper side tubing port
⑧	Right side drain hose outlet port (cutout)
⑨	Left side drain hose outlet port (cutout)
⑩	Left-rear side drain hose outlet port (cutout)
⑪	Power inlet port
⑫	Remote control wiring and inter-unit wiring inlet port
⑬	Wireless remote controller receiver installation location
⑭	Outside air intake duct connection port (ø100mm, cutout)

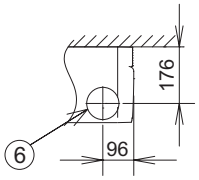
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(421 x 250 x 16) x 2 pcs.

Hole position of indoor unit rear-side
(Figure shows view from front)



Tubing hole position on wall surface
(Figure shows view from front)



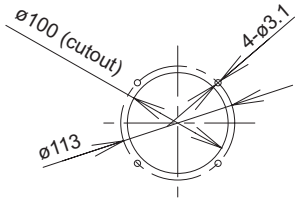
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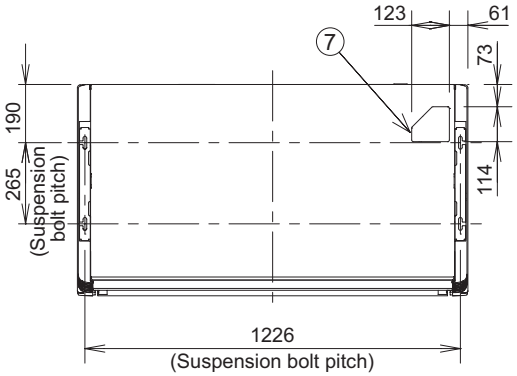
1-2. Dimensional Data

(A) Indoor Units: S-60PT2E5, S-71PT2E5

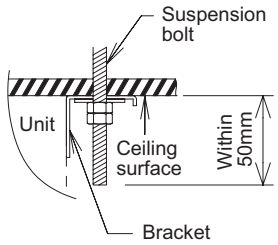
unit :mm

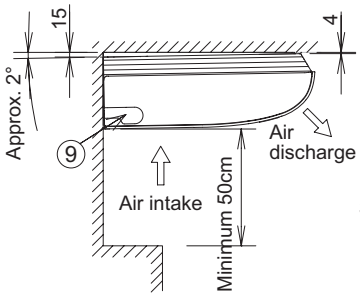
Detailed view of intaking outside air duct connection port

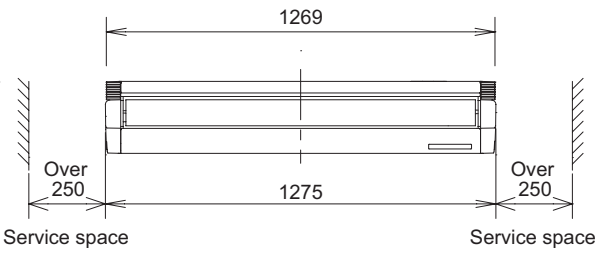


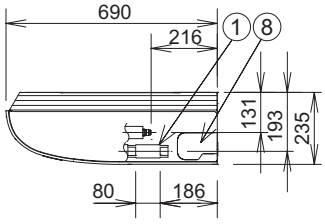


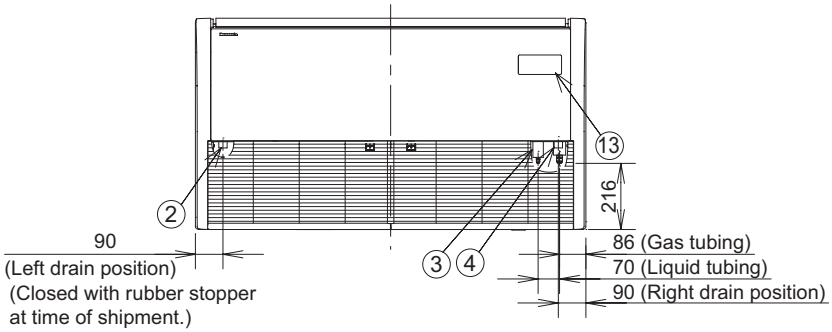
Distance of each exposed bolt must be of equal length within 50mm.









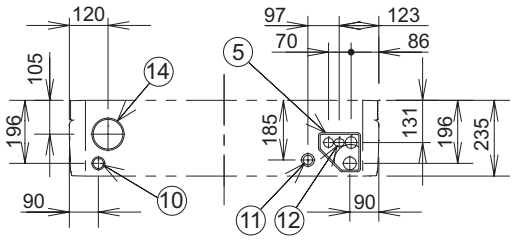


①	Drain port VP20 (inside diameter ø26mm, drain hose supplied)
②	Left drain position
③	Refrigerant liquid tubing (ø9.52mm, flare connection)
④	Refrigerant gas tubing (ø15.88mm, flare connection)
⑤	Cover of rear tubing hole
⑥	Tubing hole on wall surface (ø100mm)
⑦	Upper side tubing port
⑧	Right side drain hose outlet port (cutout)
⑨	Left side drain hose outlet port (cutout)
⑩	Left-rear side drain hose outlet port (cutout)
⑪	Power inlet port
⑫	Remote control wiring and inter-unit wiring inlet port
⑬	Wireless remote controller receiver installation location
⑭	Outside air intake duct connection port (ø100mm, cutout)

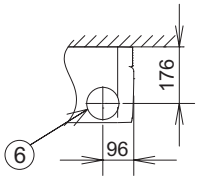
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(579 x 250 x 16) x 2 pcs.

Hole position of indoor unit rear-side
(Figure shows view from front)



Tubing hole position on wall surface
(Figure shows view from front)

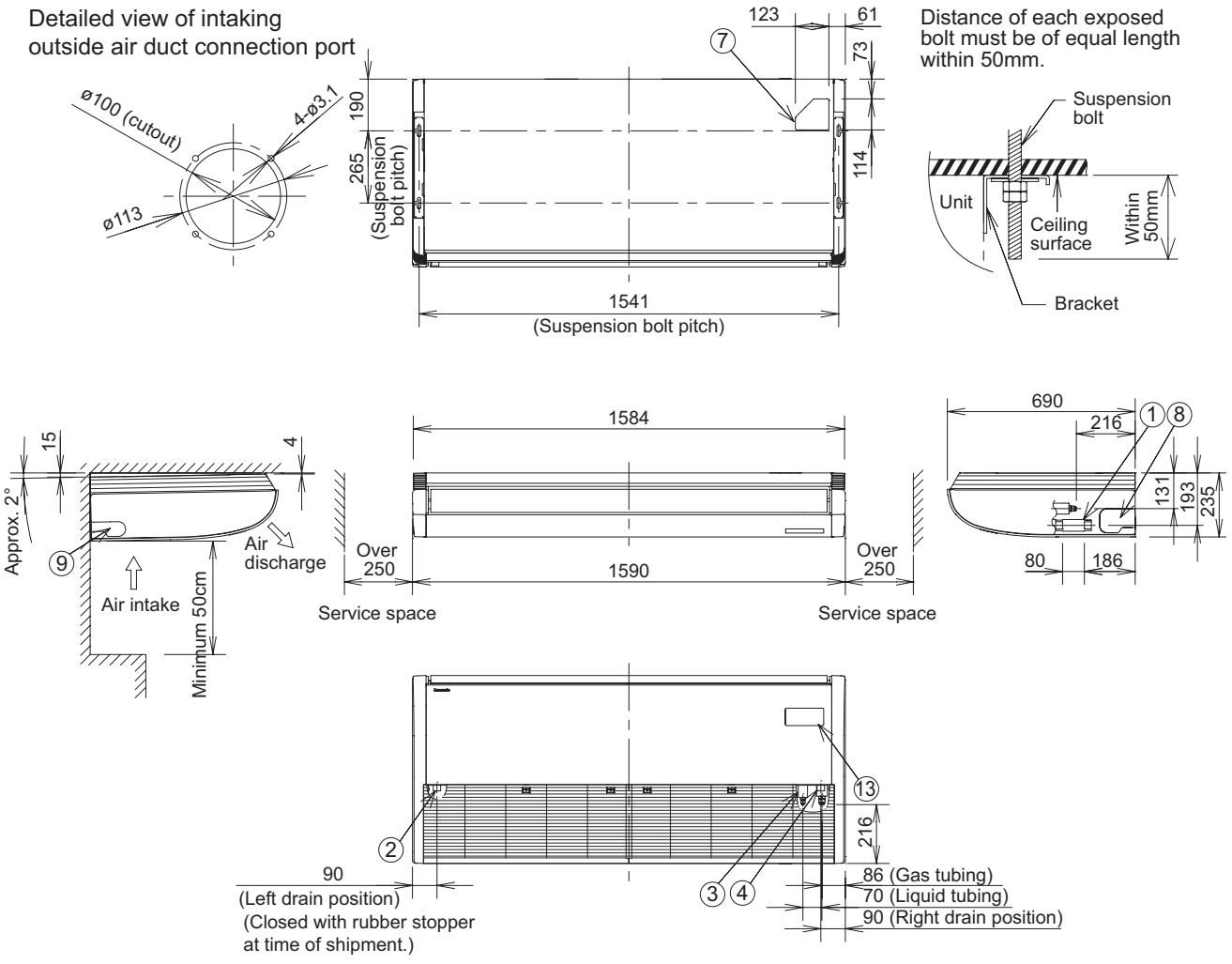


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1-2. Dimensional Data

(A) Indoor Units: S-100PT2E5, S-125PT2E5, S-140PT2E5

unit :mm

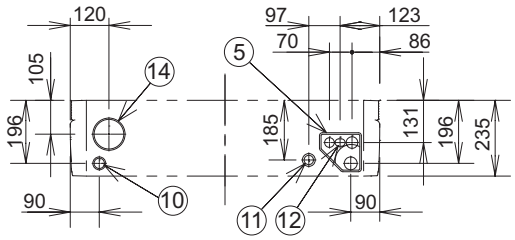


①	Drain port VP20 (inside diameter ø26mm, drain hose supplied)
②	Left drain position
③	Refrigerant liquid tubing (ø9.52mm, flare connection)
④	Refrigerant gas tubing (ø15.88mm, flare connection)
⑤	Cover of rear tubing hole
⑥	Tubing hole on wall surface (ø100mm)
⑦	Upper side tubing port
⑧	Right side drain hose outlet port (cutout)
⑨	Left side drain hose outlet port (cutout)
⑩	Left-rear side drain hose outlet port (cutout)
⑪	Power inlet port
⑫	Remote control wiring and inter-unit wiring inlet port
⑬	Wireless remote controller receiver installation location
⑭	Outside air intake duct connection port (ø100mm, cutout)

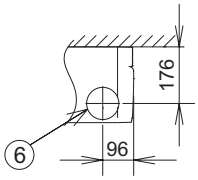
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(736 x 250 x 16) x 2 pcs.

Hole position of indoor unit rear-side
(Figure shows view from front)



Tubing hole position on wall surface
(Figure shows view from front)



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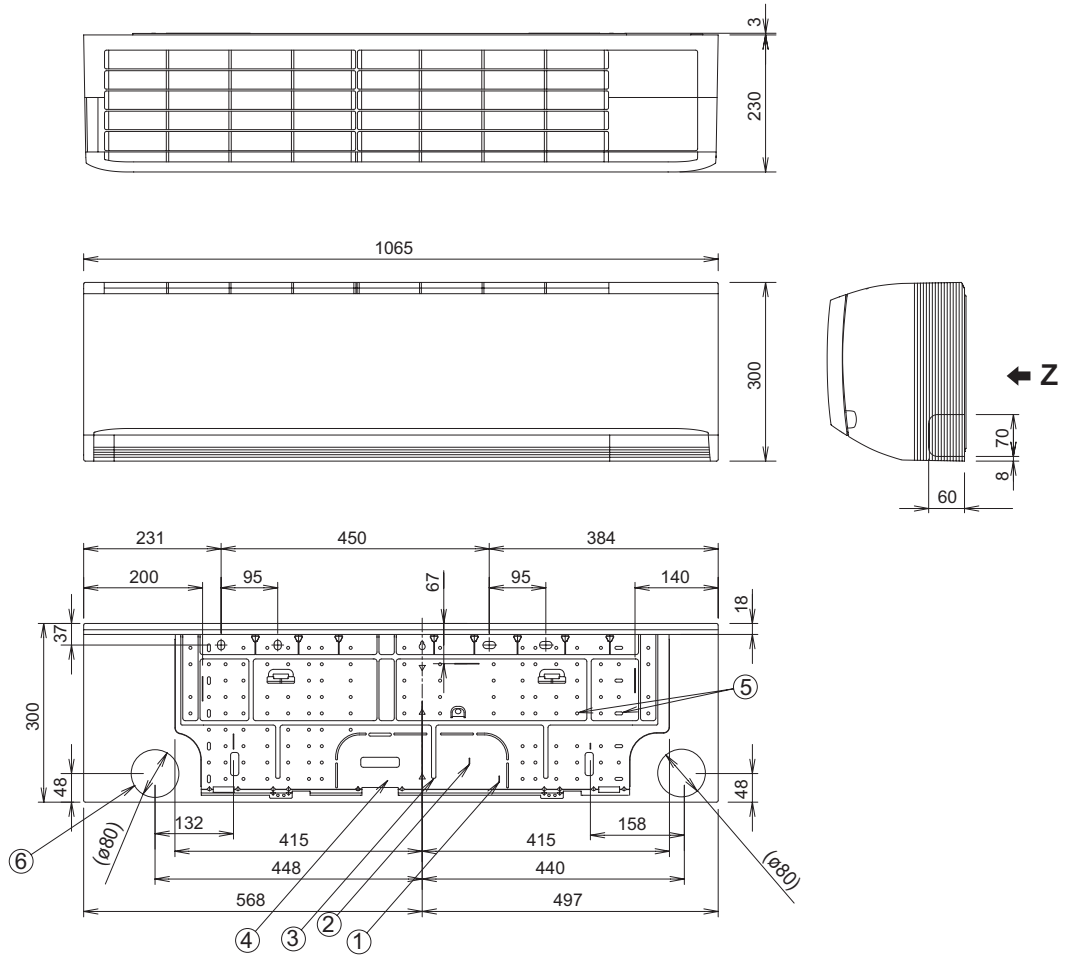
1-2. Dimensional Data

(A) Indoor Units: S-36PK1E5, S-45PK1E5, S-50PK1E5, S-60PK1E5 S-71PK1E5

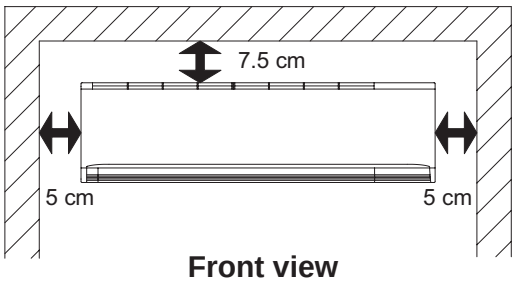
unit: mm

1	Refrigerant tubing (liquid tube)	S36 - S50: ø6.35 (flared) S60 - S71: ø9.52 (flared)
2	Refrigerant tubing (gas tube)	S36 - S50: ø12.7 (flared) S60 - S71: ø15.88 (flared)
3	Drain hose VP13 (outer dia. ø18)	
4	Rear panel (PL BACK)	
5	Rear panel fixing holes (ø5 holes or 5X13 elongated holes)	
6	Piping & coiring holes (ø80)	

《FILTER SIZE 》
(418.5 X 342 X 2) X 2 pcs.



Z view



Front view

Nessesary minimum space for a installation

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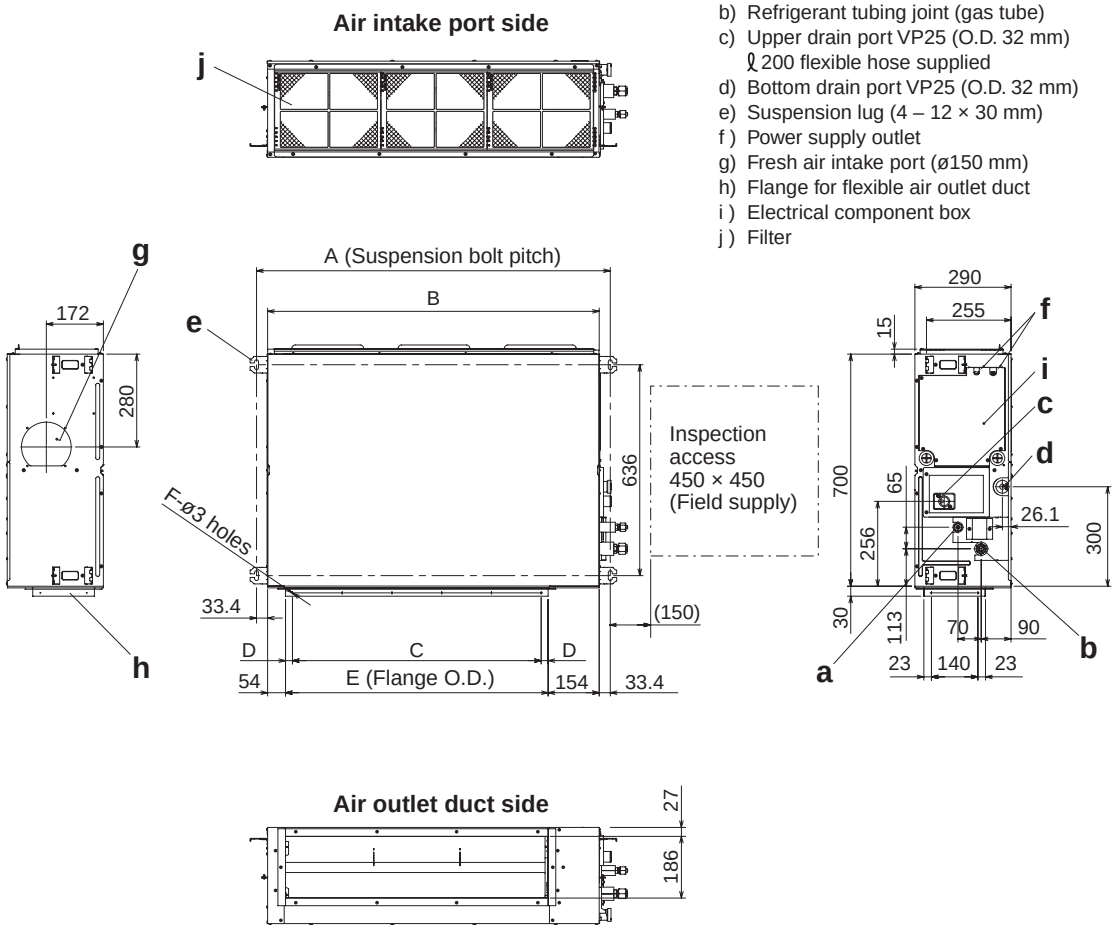
1-2. Dimensional Data

(A) Indoor Units: S-36PF1E5, S-45PF1E5, S-50PF1E5, S-60PF1E5 S-71PF1E5, S-100PF1E5, S-125PF1E5, S-140PF1E5

Unit: mm

Type	A	B	C	D	E	F
36, 45, 50	867	800	450 (Pitch 150 × 3)	71	592	12
60, 71	1,067	1,000	750 (Pitch 150 × 5)	21	792	16
100, 125, 140	1,467	1,400	1,050 (Pitch 150 × 7)	71	1,192	20

a) Refrigerant tubing joint (liquid tube)
b) Refrigerant tubing joint (gas tube)
c) Upper drain port VP25 (O.D. 32 mm) ℓ200 flexible hose supplied
d) Bottom drain port VP25 (O.D. 32 mm)
e) Suspension lug (4 – 12 × 30 mm)
f) Power supply outlet
g) Fresh air intake port (ø150 mm)
h) Flange for flexible air outlet duct
i) Electrical component box
j) Filter

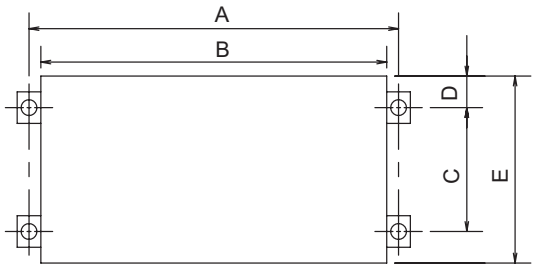


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1-2. Dimensional Data

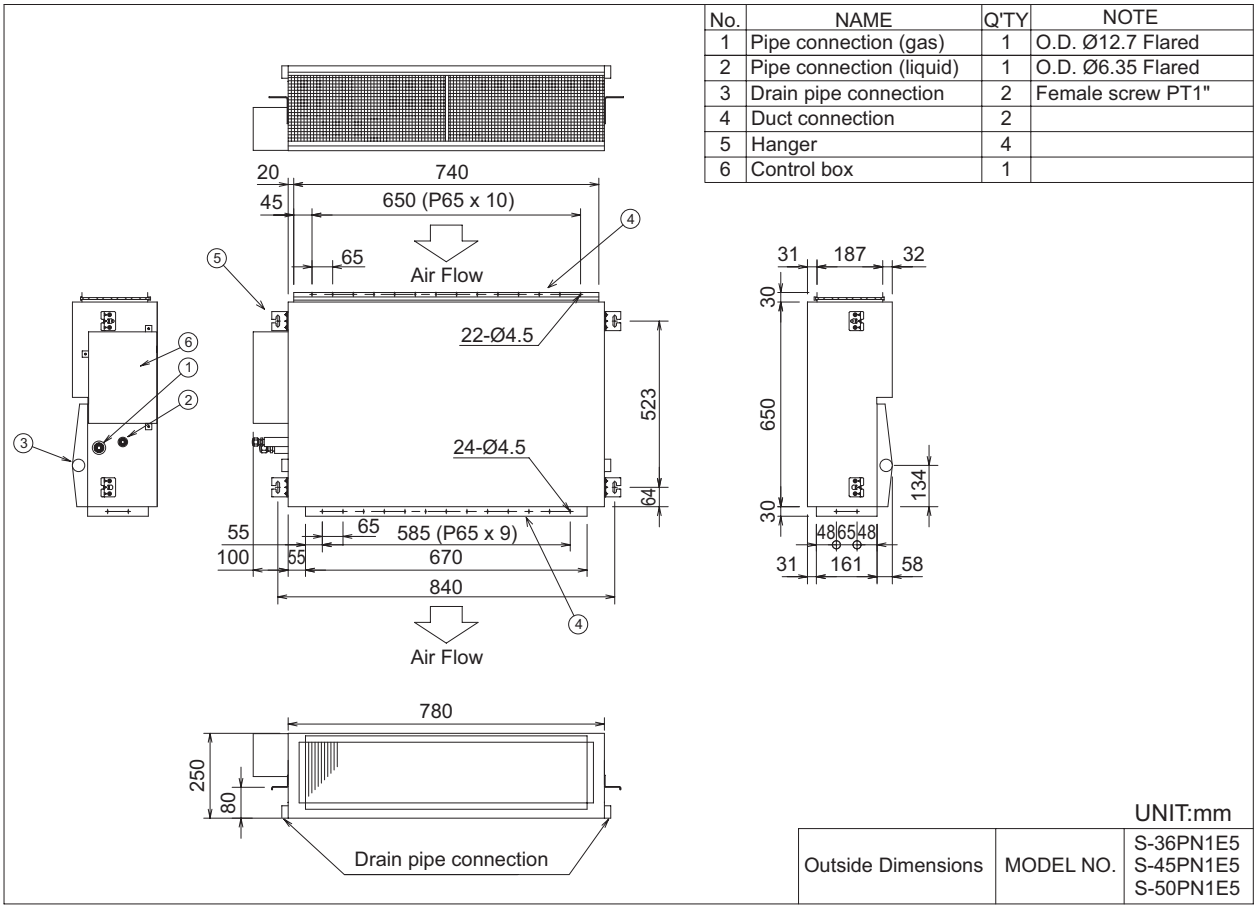
(A) Indoor Units: S-36PN1E5, S-45PN1E5, S-50PN1E5

POSITION OF SUSPENSION BOLT



(unit:mm)

TYPE	A	B	C	D	E
S-36PN1E5	840	780	523	64	650
S-45PN1E5					
S-50PN1E5					
S-60PN1E5	1060	1000	523	64	650
S-71PN1E5					
S-100PN1E5	1260	1200	523	64	650
S-125PN1E5					
S-140PN1E5					



No.	NAME	Q'TY	NOTE
1	Pipe connection (gas)	1	O.D. Ø12.7 Flared
2	Pipe connection (liquid)	1	O.D. Ø6.35 Flared
3	Drain pipe connection	2	Female screw PT1"
4	Duct connection	2	
5	Hanger	4	
6	Control box	1	

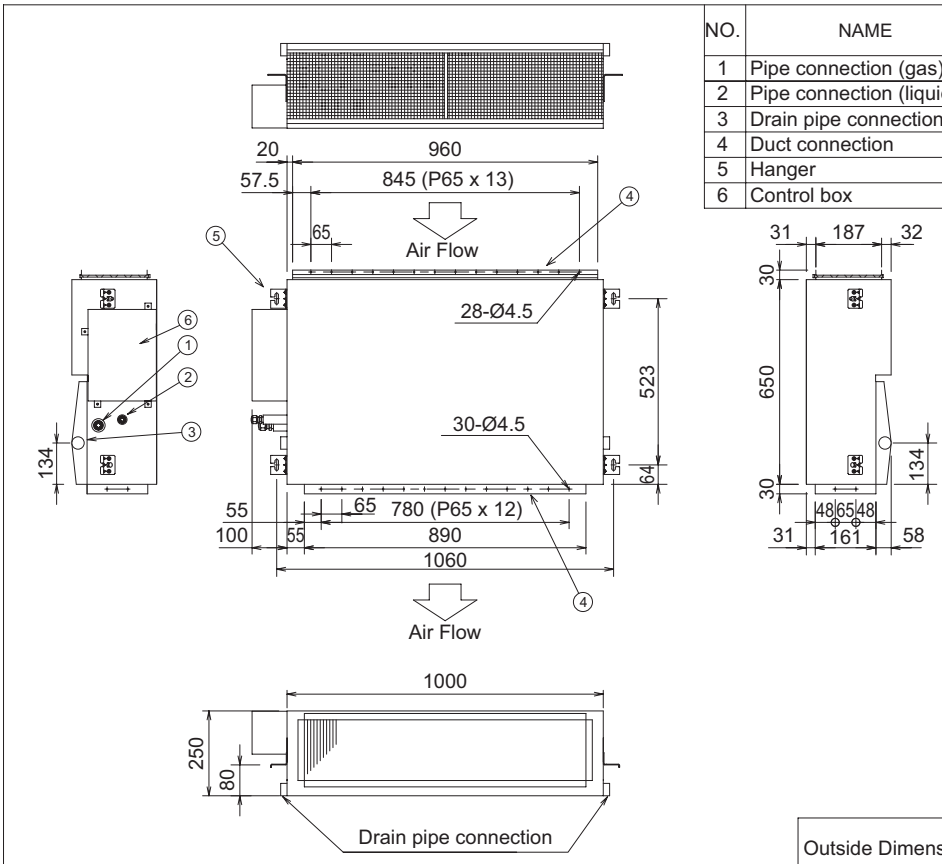
UNIT:mm

Outside Dimensions	MODEL NO.	S-36PN1E5 S-45PN1E5 S-50PN1E5

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1-2. Dimensional Data

(A) Indoor Units: S-60PN1E5, S-71PN1E5

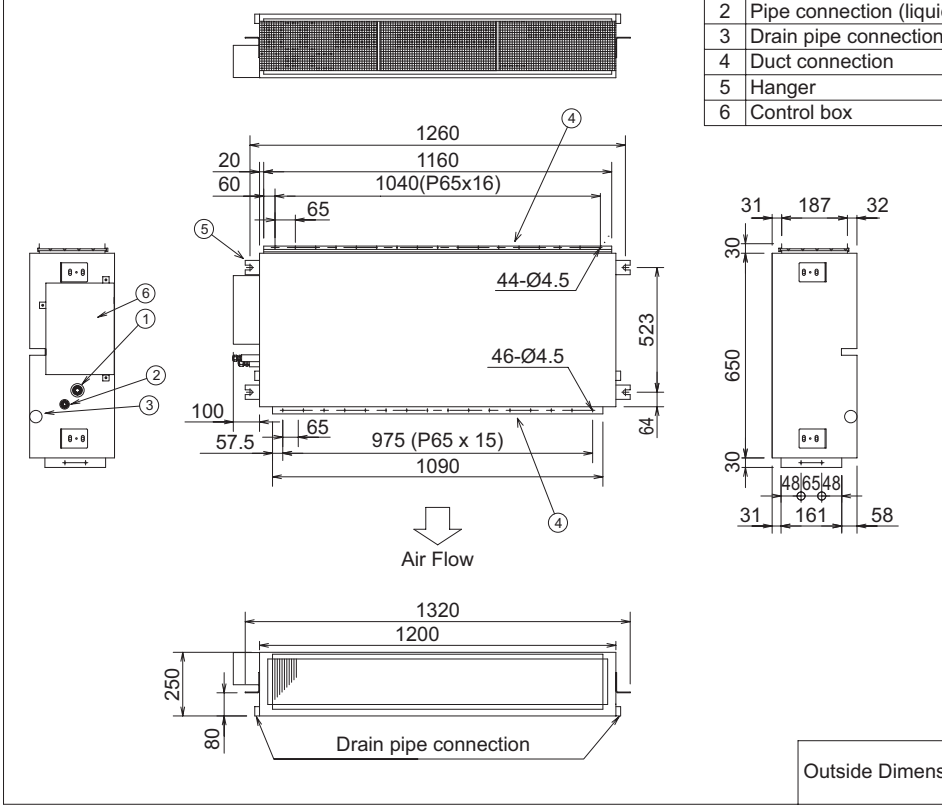


NO.	NAME	Q'TY	NOTE
1	Pipe connection (gas)	1	O.D. Ø15.88 Flared
2	Pipe connection (liquid)	1	O.D. Ø9.52 Flared
3	Drain pipe connection	2	Female screw PT1"
4	Duct connection	2	
5	Hanger	4	
6	Control box	1	

UNIT:mm

Outside Dimensions	MODEL NO.	S-60PN1E5 S-71PN1E5

(A) Indoor Units: S-100PN1E5, S-125PN1E5, S-140PN1E5



NO.	NAME	Q'TY	NOTE
1	Pipe connection (gas)	1	O.D. Ø15.88 Flared
2	Pipe connection (liquid)	1	O.D. Ø9.52 Flared
3	Drain pipe connection	2	Female screw PT1"
4	Duct connection	2	
5	Hanger	4	
6	Control box	1	

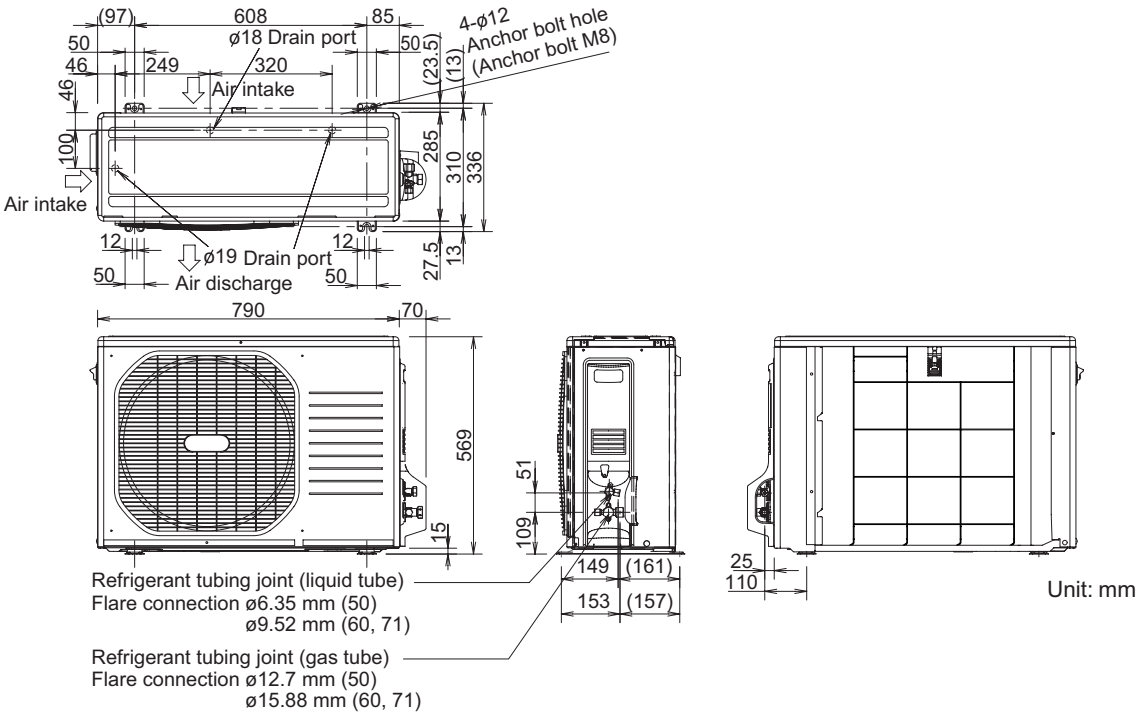
UNIT:mm

Outside Dimensions	MODEL NO.	S-100PN1E5 S-125PN1E5 S-140PN1E5

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1-2. Dimensional Data

(B) Outdoor Unit: U-50PE1E5
U-60PEY1E5 / U-71PEY1E5



Unit: mm

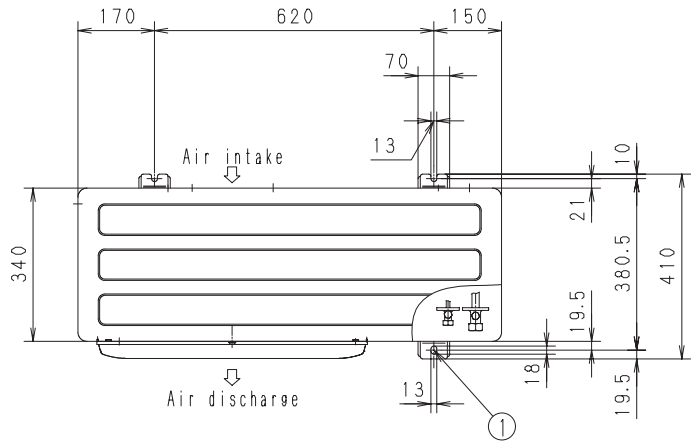
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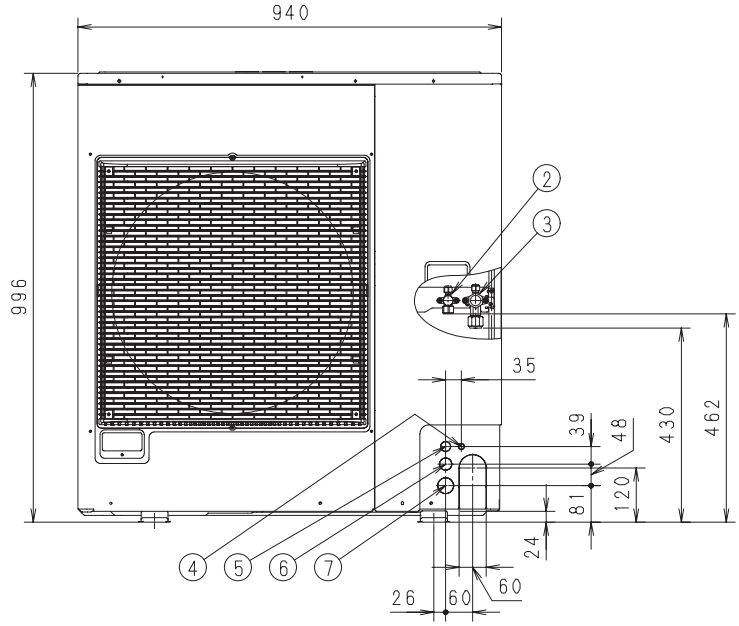
1-2. Dimensional Data

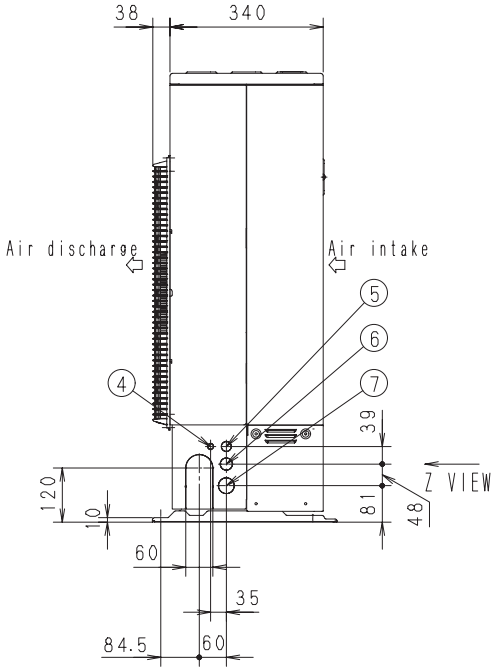
(B) Outdoor Units: U-60PE1E5 / U-71PE1E5/ U-100PEY1E5/ U-125PEY1E5
U-71PE1E8 / U-100PEY1E8/ U-125PEY1E8

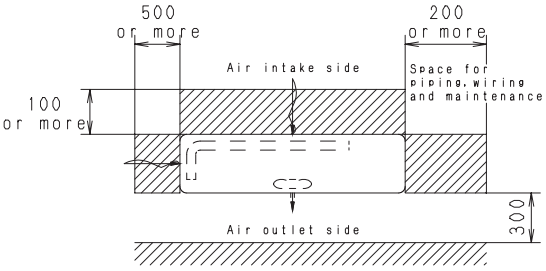
unit: mm

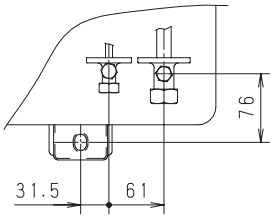
①	Mounting hole (4-R6.5), anchor bolt: M10
②	Refrigerant piping (liquid pipe), flared connection (ø9.52)
③	Refrigerant piping (gas pipe), flared connection (ø15.88)
④	Electrical wiring port (ø13)
⑤	Electrical wiring port (ø22)
⑥	Electrical wiring port (ø27)
⑦	Electrical wiring port (ø35)

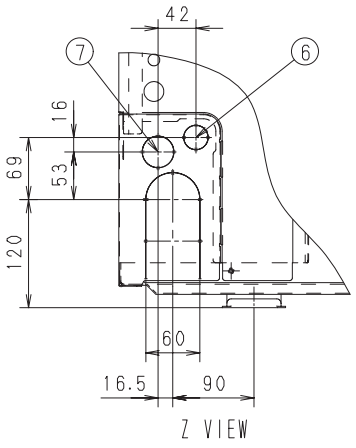












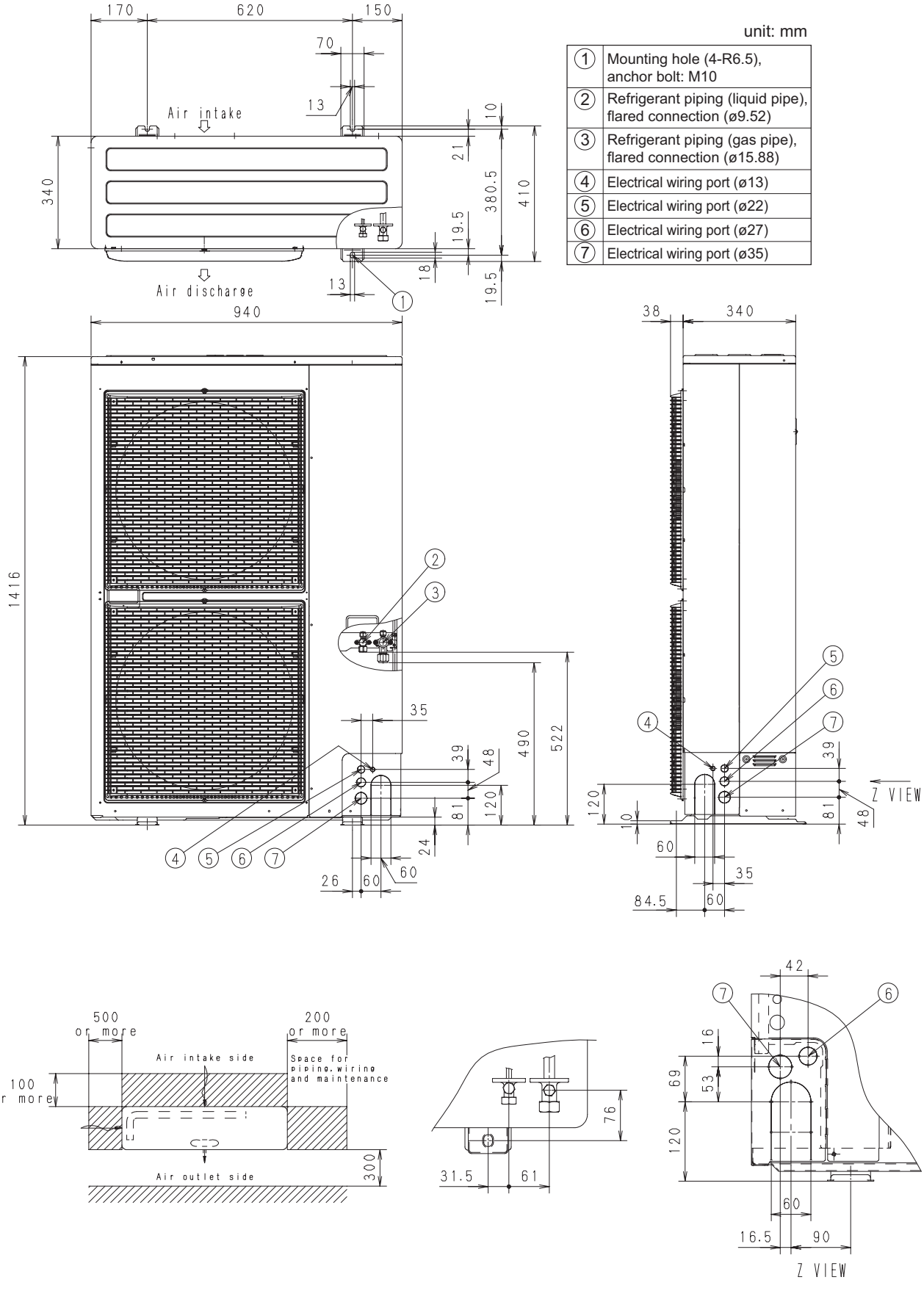
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1-2. Dimensional Data

(B) Outdoor Units: U-100PE1E5 / U-125PE1E5 / U-140PE1E5
U-100PE1E8 / U-125PE1E8 / U-140PE1E8 / U-140PEY1E8

unit: mm

①	Mounting hole (4-R6.5), anchor bolt: M10
②	Refrigerant piping (liquid pipe), flared connection (ø9.52)
③	Refrigerant piping (gas pipe), flared connection (ø15.88)
④	Electrical wiring port (ø13)
⑤	Electrical wiring port (ø22)
⑥	Electrical wiring port (ø27)
⑦	Electrical wiring port (ø35)

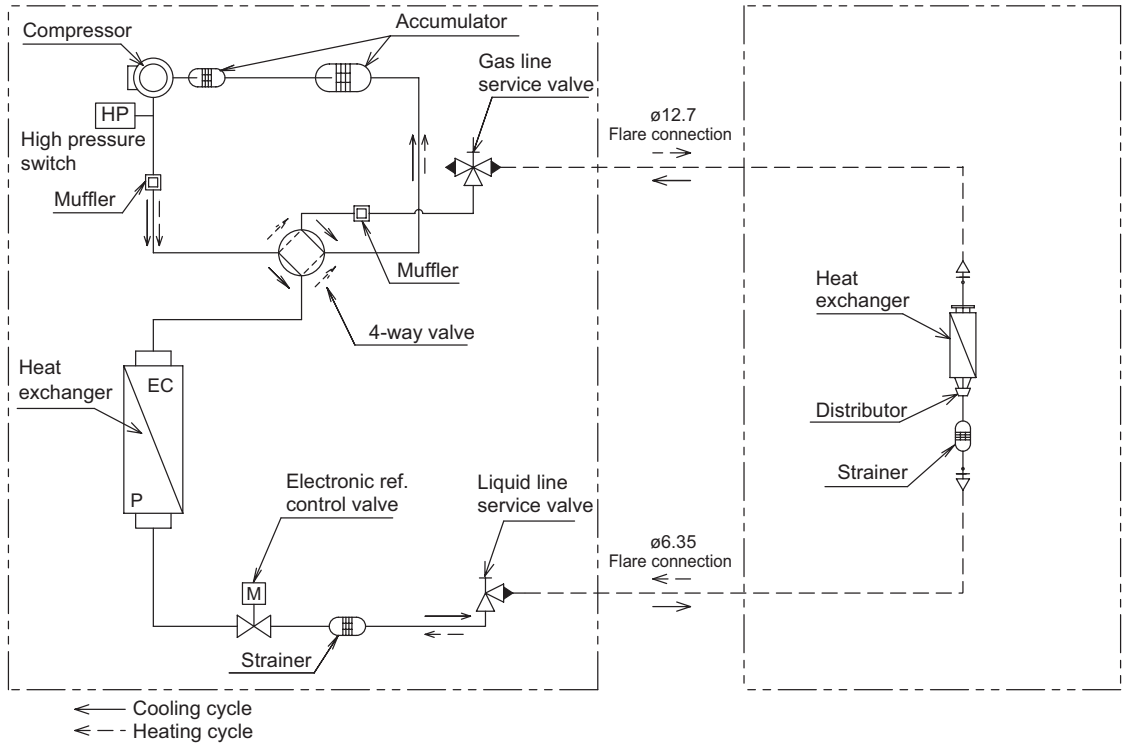


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1-3. Refrigerant Flow Diagram

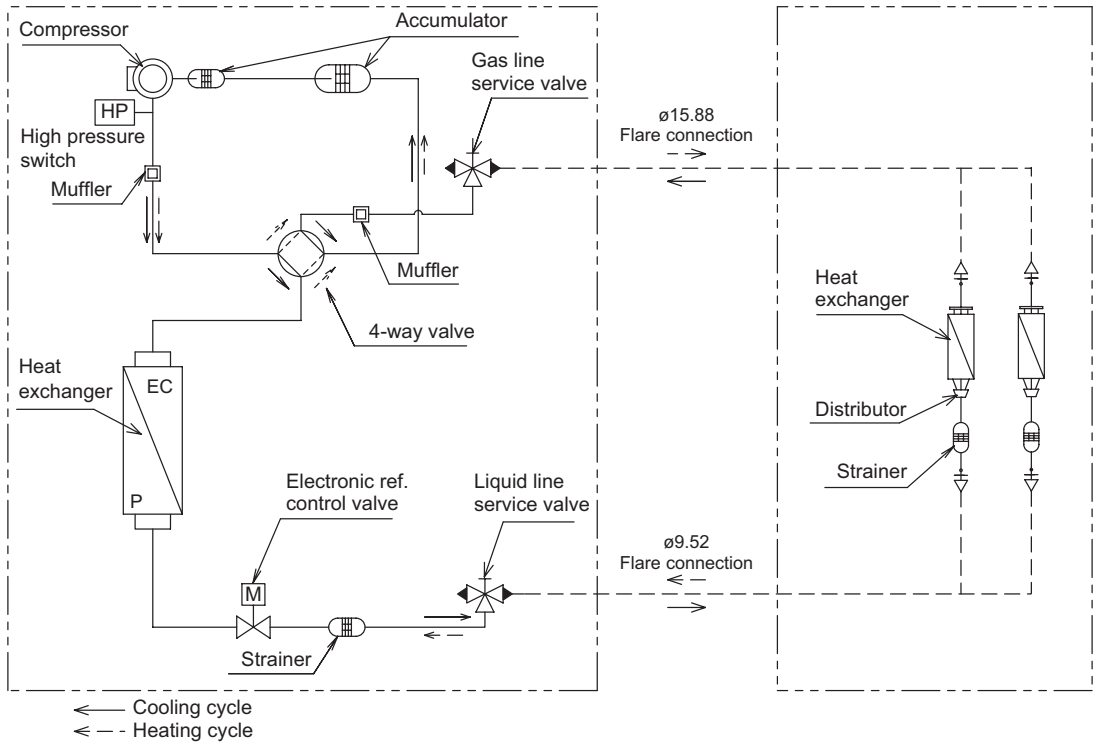
Outdoor Unit: U-50PE1E5

Indoor Unit:



Outdoor Unit : U-60PEY1E5 U-71PEY1E5

Indoor Unit:

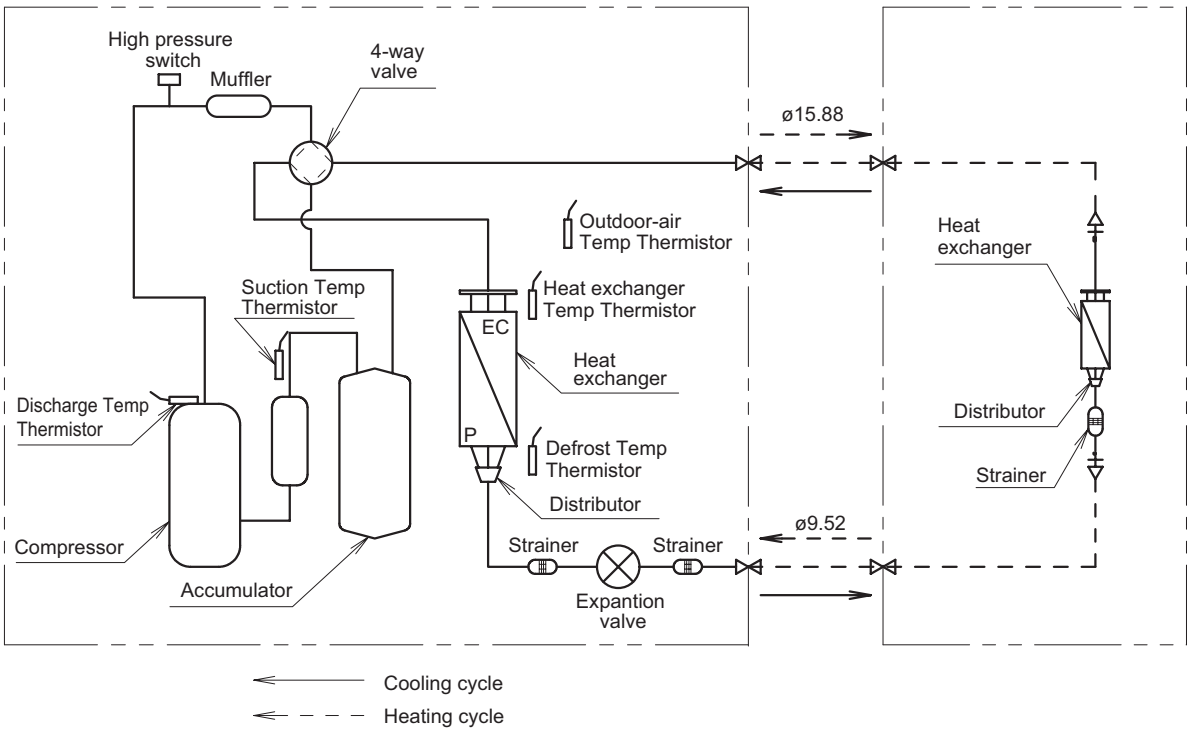


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1-3. Refrigerant Flow Diagram

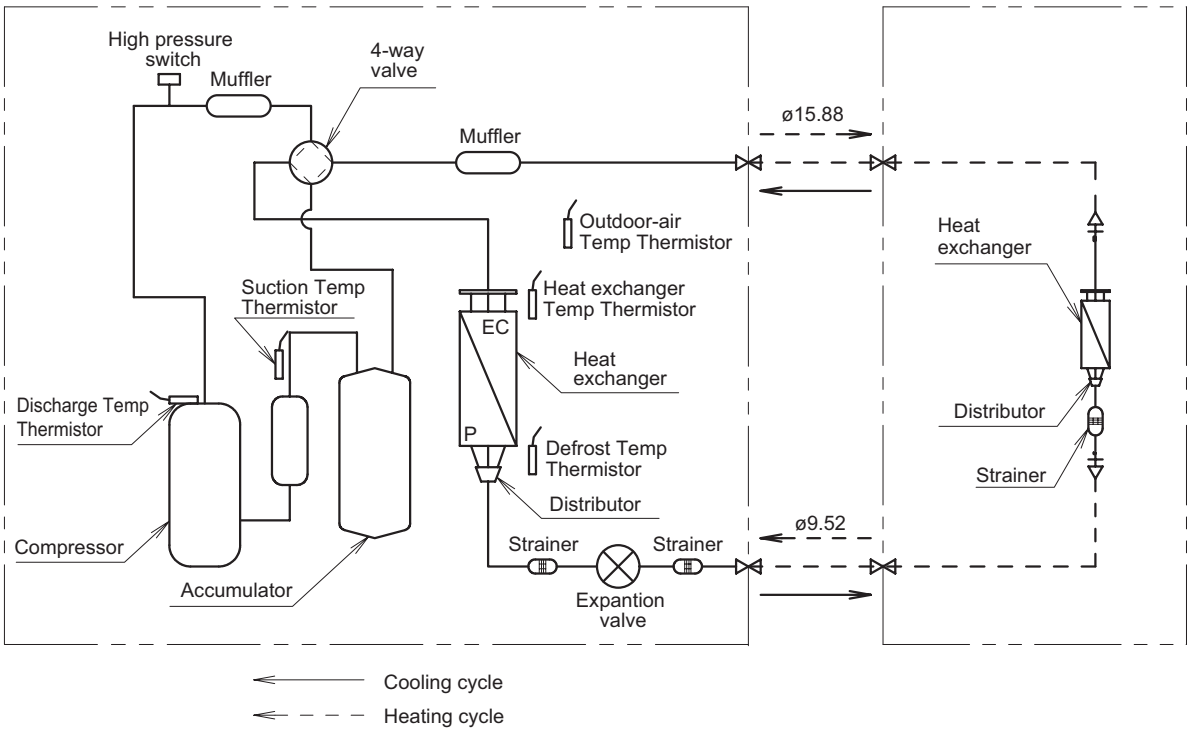
Outdoor Units: U-60PE1E5 / U-71PE1E5
U-71PE1E8

Indoor Unit



Outdoor Units: U-100PE1E5 / U-125PE1E5 / U-140PE1E5
U-100PE1E8 / U-125PE1E8 / U-140PE1E8 / U-140PEY1E8

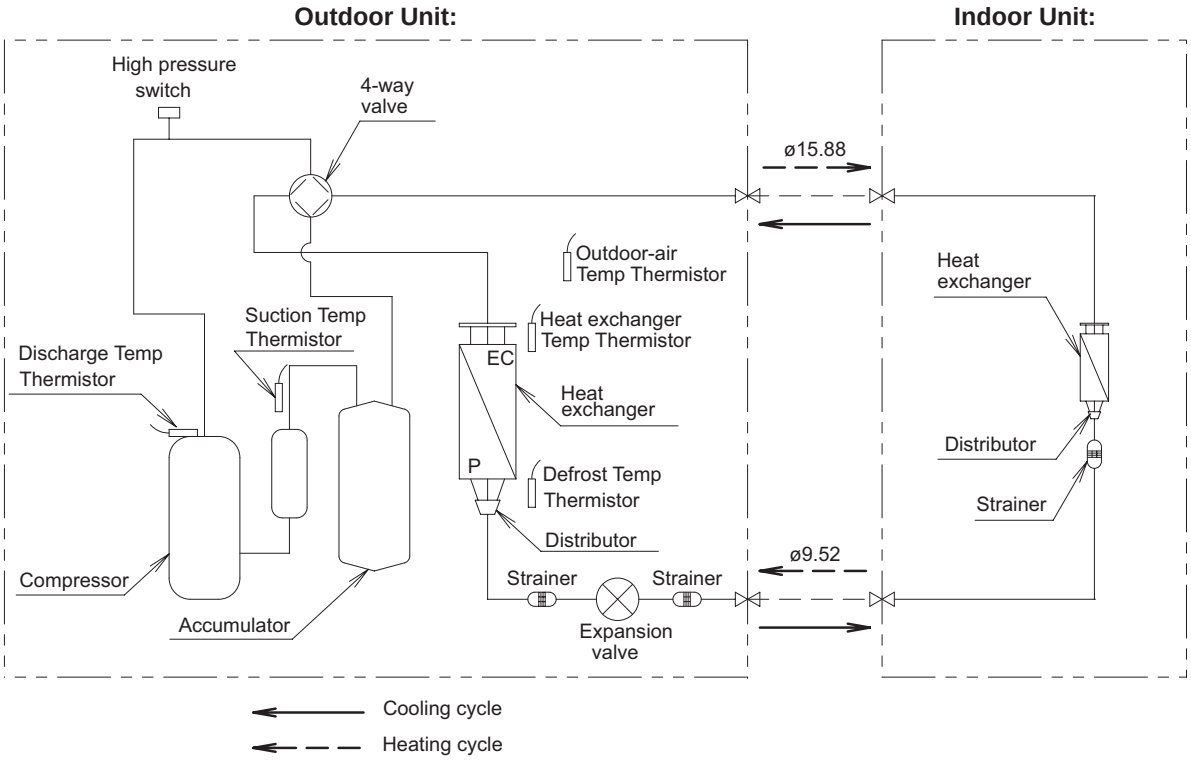
Indoor Unit



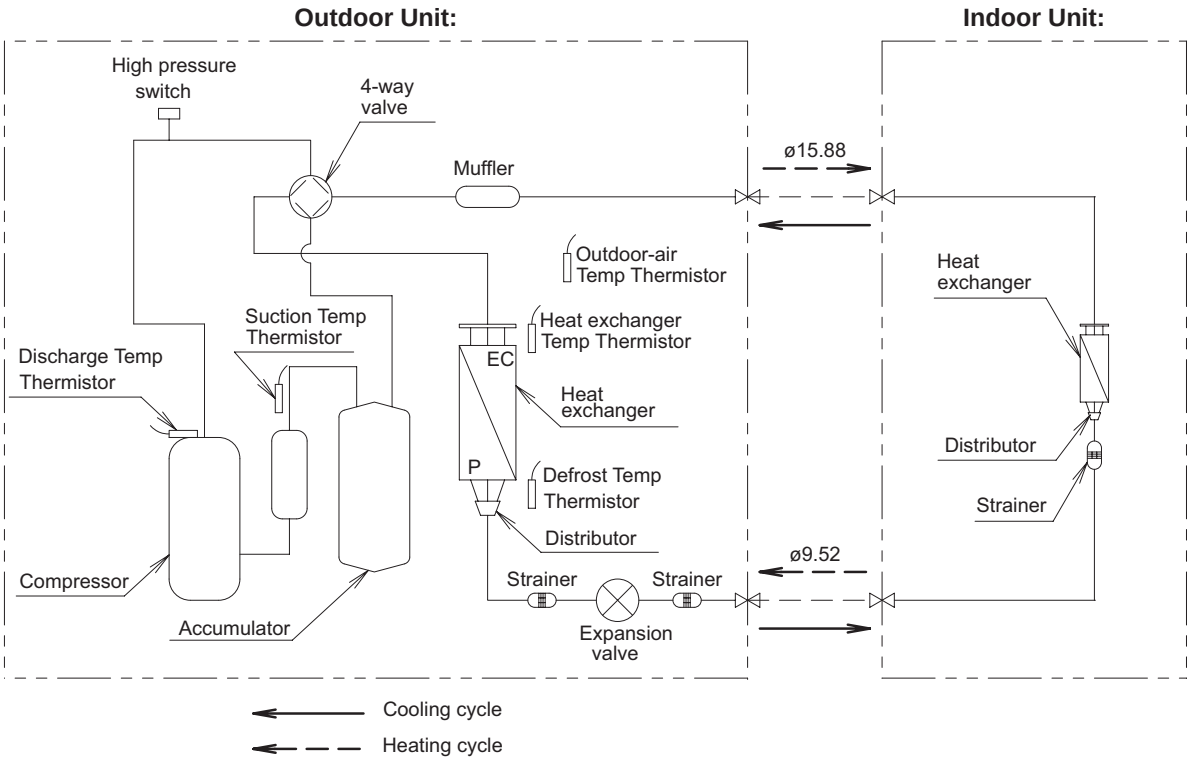
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1-3. Refrigerant Flow Diagram

Outdoor Units: U-100PEY1E5 / U-100PEY1E8



Outdoor Units: U-125PEY1E5 / U-125PEY1E8



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1-4. Operationg Range

Type PE1

	Temperature	Indoor air intake temp.	Outdoor air intake temp.
Cooling	Maximum	32°C DB / 25°C WB	46°C DB
	Minimum	18°C DB / 14°C WB	-15°C DB
Heating	Maximum	30°C DB / − WB	24°C DB/18°C WB
	Minimum	16°C DB / − WB	-20°C DB / -20°C WB

Type PEY1

	Temperature	Indoor air intake temp.	Outdoor air intake temp.
Cooling	Maximum	32°C DB / 25°C WB	43°C DB
	Minimum	18°C DB / 14°C WB	-10°C DB
Heating	Maximum	30°C DB / − WB	24°C DB/18°C WB
	Minimum	16°C DB / − WB	-15°C DB / -15°C WB

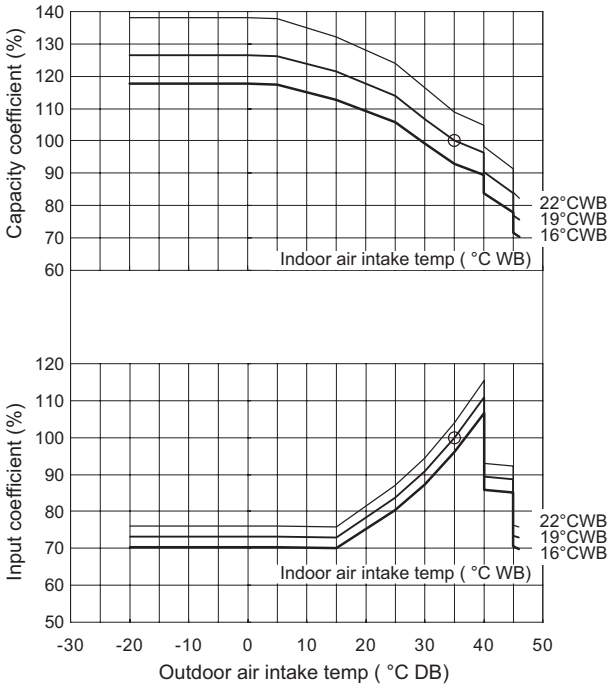
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1-5. Capacity Correction Graph According to Temperature Condition

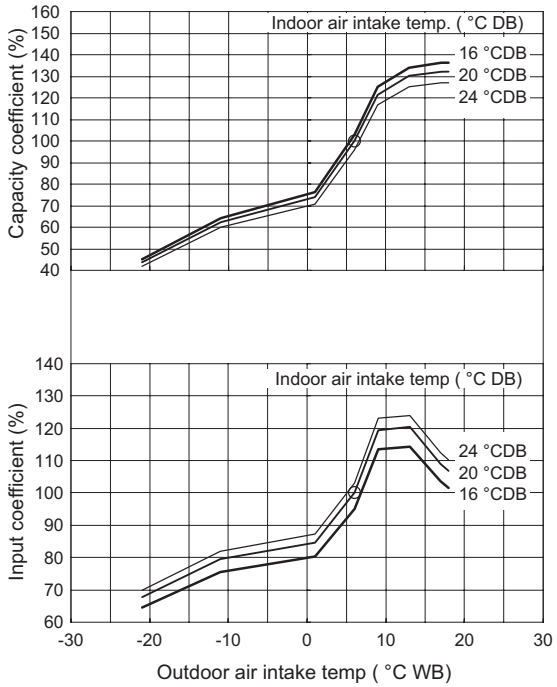
PE1

U-50PE1E5 (For 50 Hz)

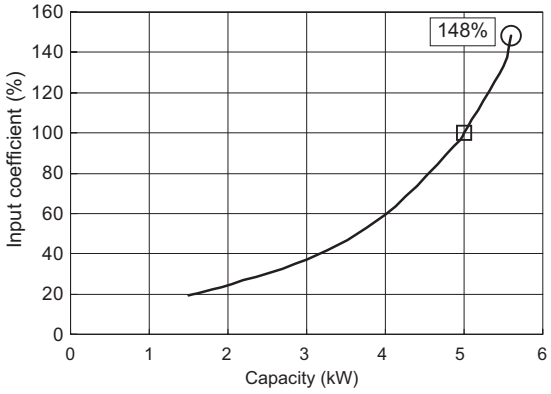
Cooling capacity ratio (maximum capacity)



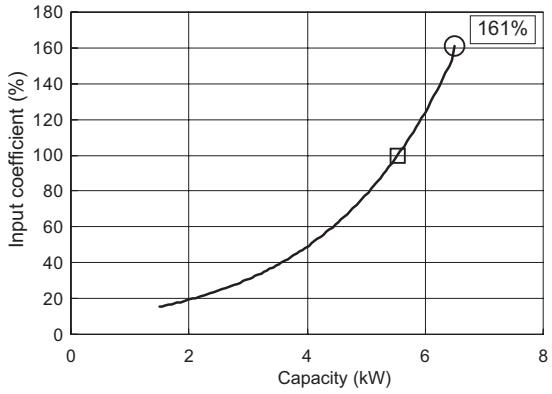
Heating capacity ratio (maximum capacity)



Cooling



Heating



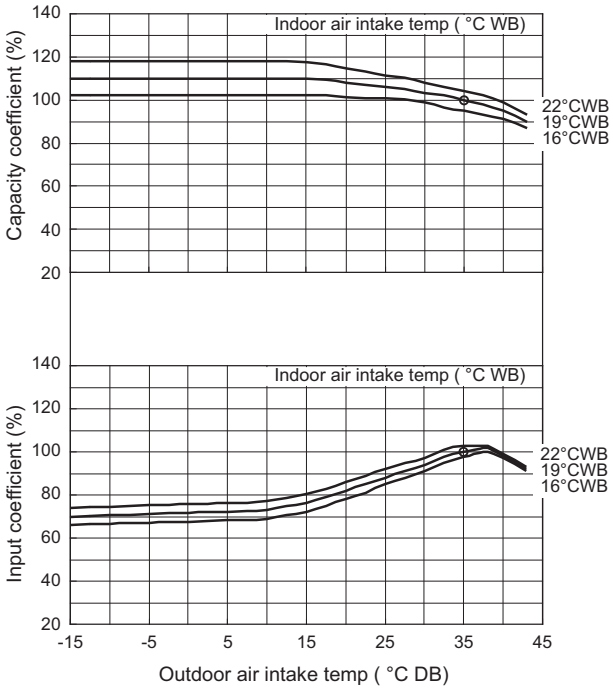
Downloaded from www.Manualslib.com manuals search engine

1-5. Capacity Correction Graph According to Temperature Condition

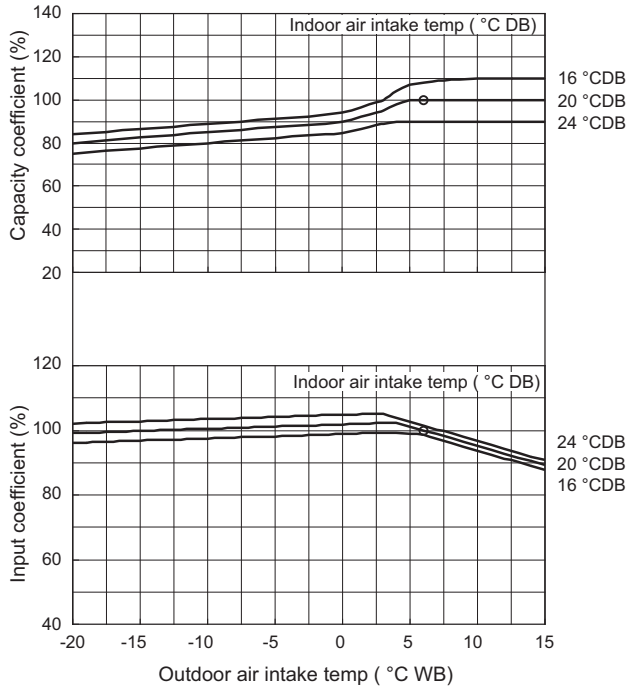
PE1

U-60PE1E5 (For 50 Hz)

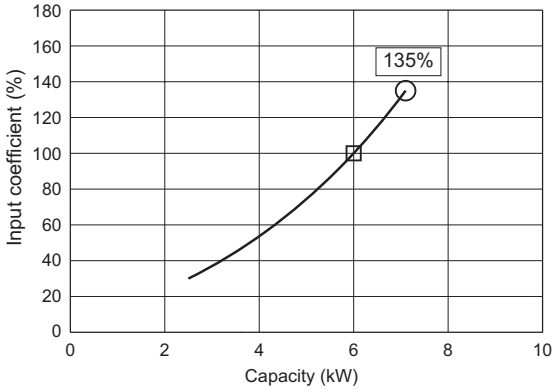
Cooling capacity ratio (maximum capacity)



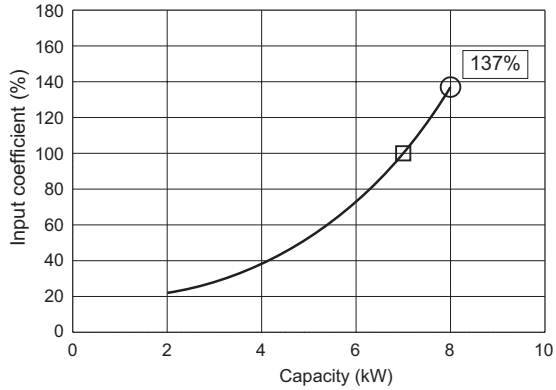
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient during of frosting/defrosting (RH approximately 85%)

Outdoor intake air temperature °C WB	-20	-15	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6
Correction coefficient	1.0	1.0	0.97	0.96	0.96	0.95	0.94	0.91	0.89	0.88	0.87	0.87	0.87	0.88	0.89	0.91	0.92	0.95	1.0

To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

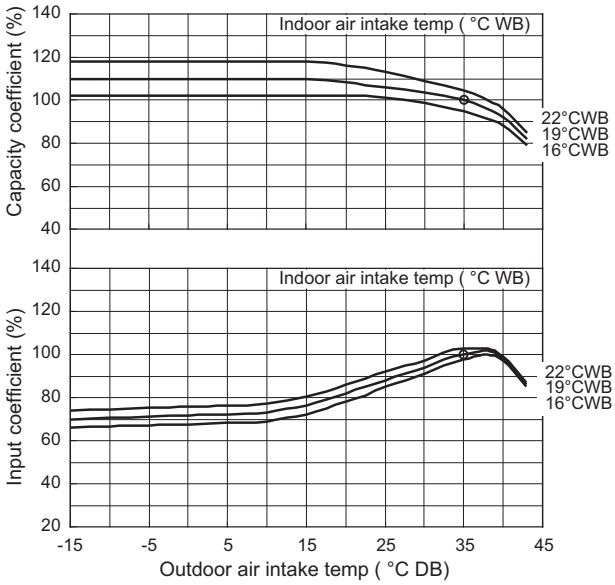
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1-5. Capacity Correction Graph According to Temperature Condition

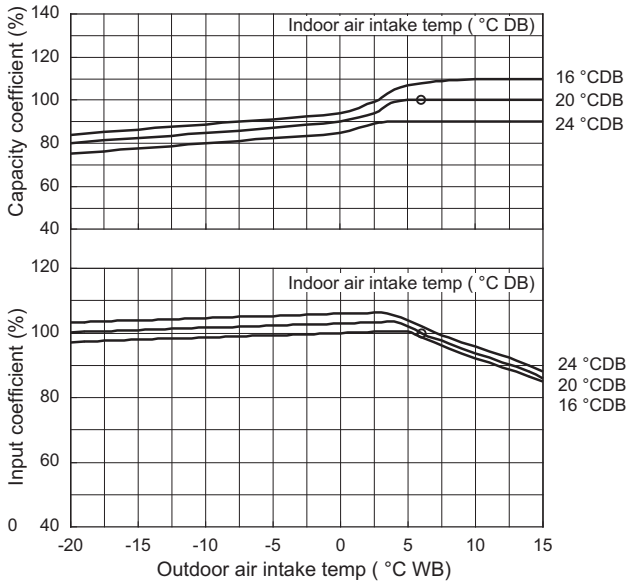
PE1

■ U-71PE1E5 (For 50 Hz) / U-71PE1E8 (For 50 Hz)

Cooling capacity ratio (maximum capacity)

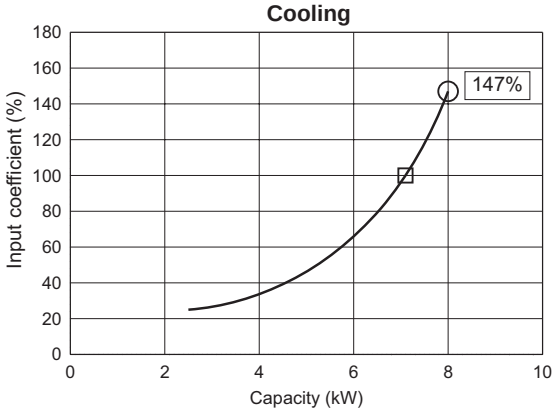


Heating capacity ratio (maximum capacity)

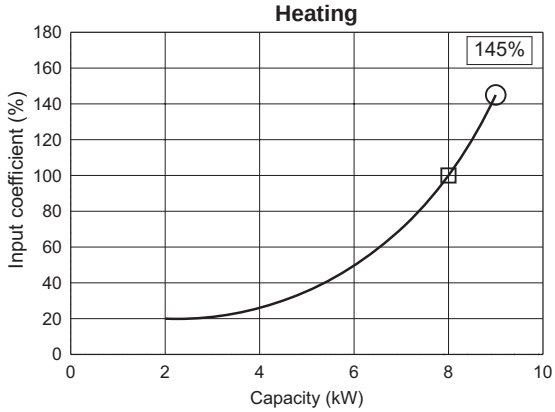


■ U-71PE1E5 (For 50 Hz)

Cooling

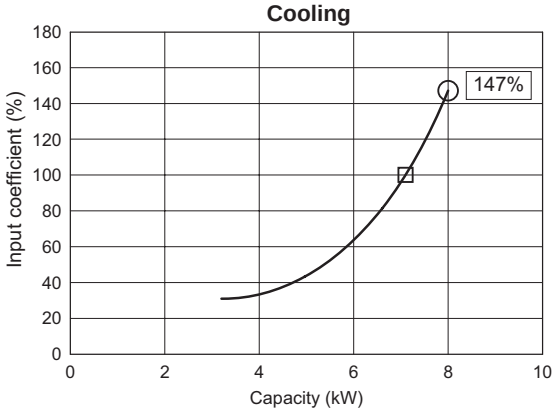


Heating

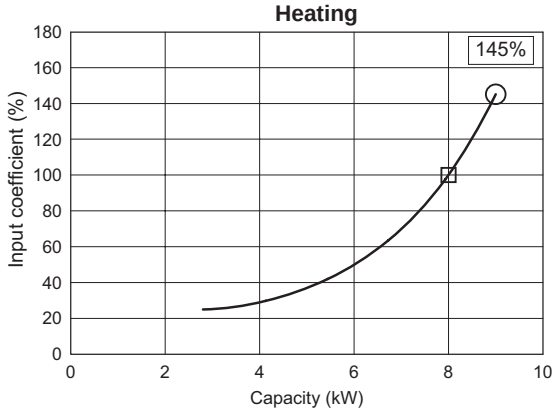


■ U-71PE1E8 (For 50 Hz)

Cooling



Heating



Outdoor unit heating capacity correction cofficient during of frosting/defrosting (RH approximately 85%)

Outdoor intake air temperature °C WB	-20	-15	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6
Correction coefficient	1.0	1.0	0.97	0.96	0.96	0.95	0.94	0.91	0.89	0.88	0.87	0.87	0.87	0.88	0.89	0.91	0.92	0.95	1.0

To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

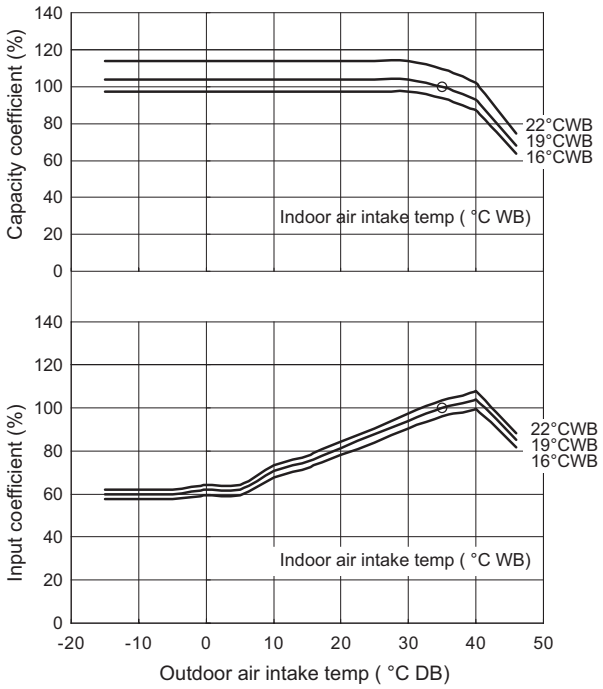
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1-5. Capacity Correction Graph According to Temperature Condition

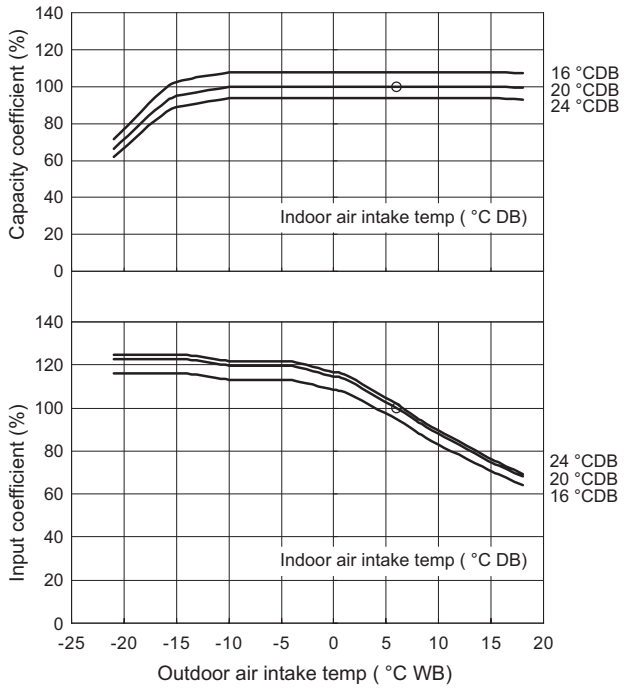
PE1

U-100PE1E5 (For 50 Hz) / U-100PE1E8 (For 50 Hz)

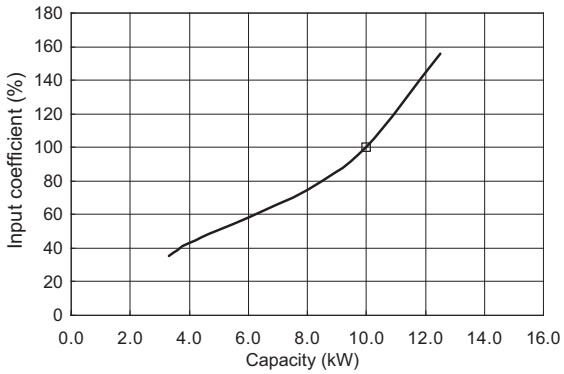
Cooling capacity ratio (maximum capacity)



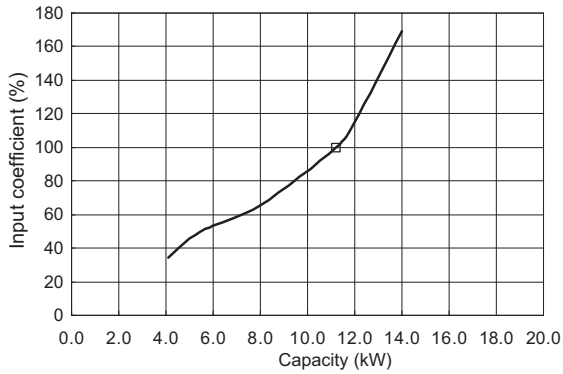
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient during of frosting/defrosting (RH approximately 85%)

Outdoor intake air temperature °C WB	-20	-15	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Correction coefficient	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.84	0.84	0.82	0.8	0.8	0.82	0.84	0.86	0.88	0.88	1	1

To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

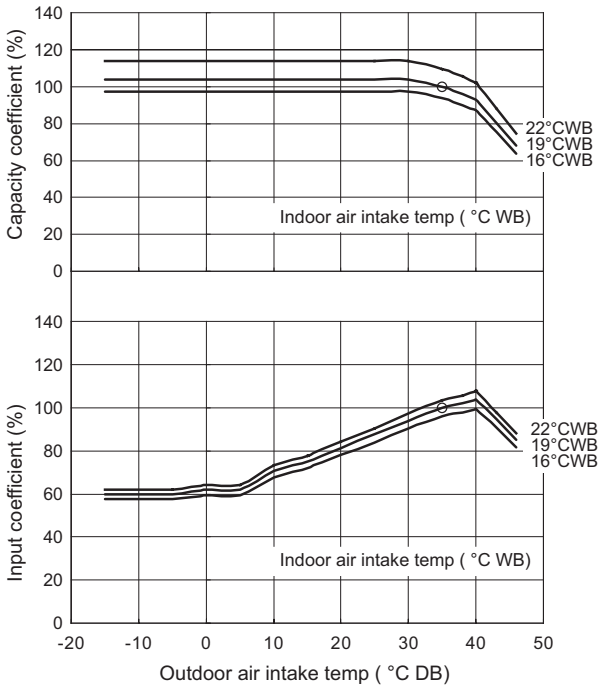
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1-5. Capacity Correction Graph According to Temperature Condition

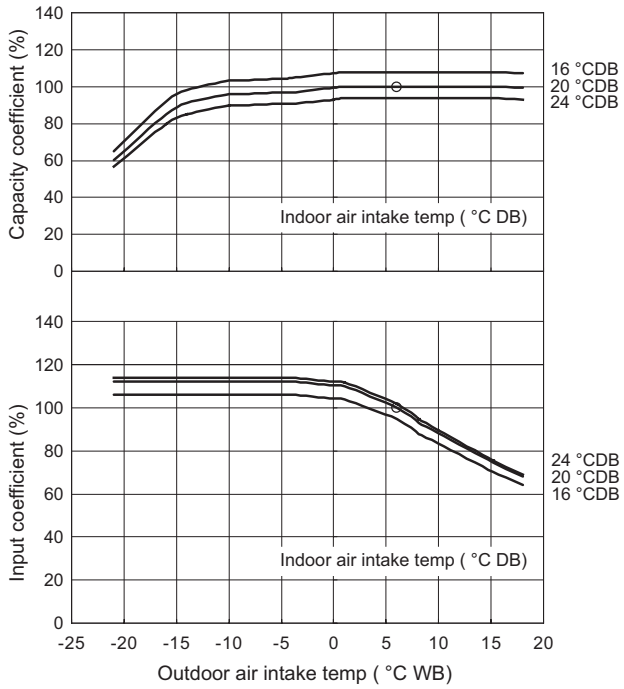
PE1

U-125PE1E5 (For 50 Hz) / U-125PE1E8 (For 50 Hz)

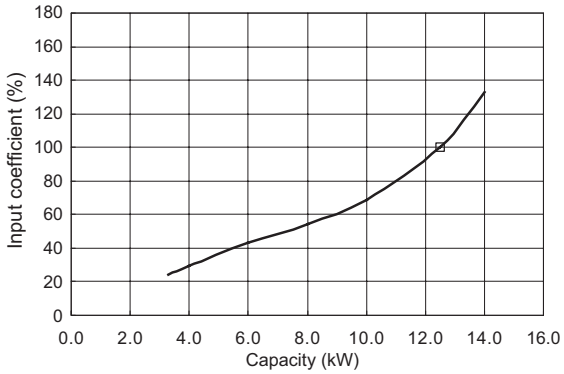
Cooling capacity ratio (maximum capacity)



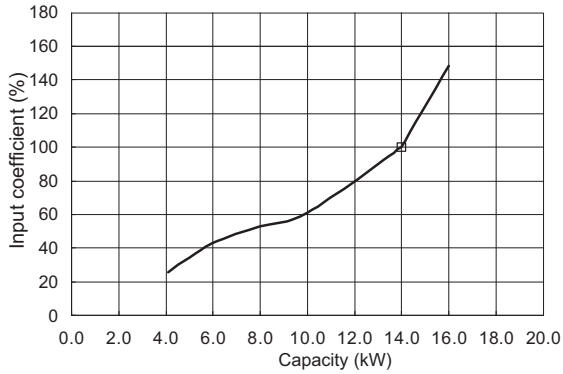
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient during of frosting/defrosting (RH approximately 85%)

Outdoor intake air temperature °C WB	-20	-15	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Correction coefficient	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.84	0.84	0.82	0.8	0.8	0.82	0.84	0.86	0.88	0.88	1	1

To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

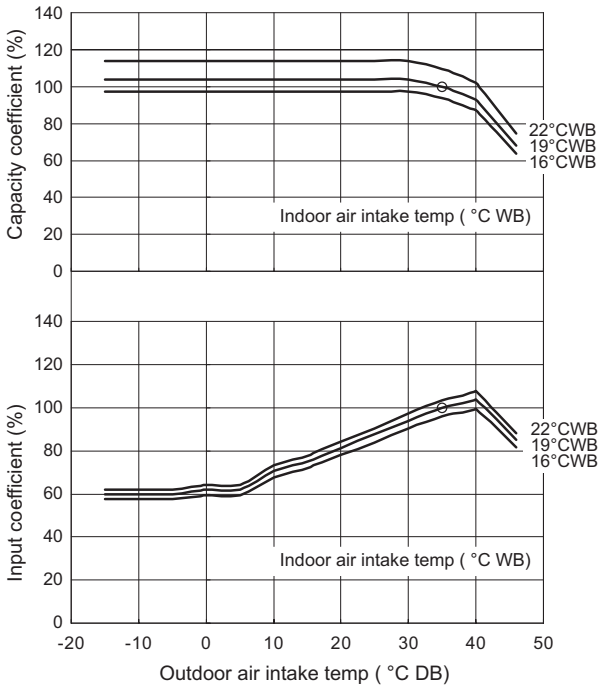
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1-5. Capacity Correction Graph According to Temperature Condition

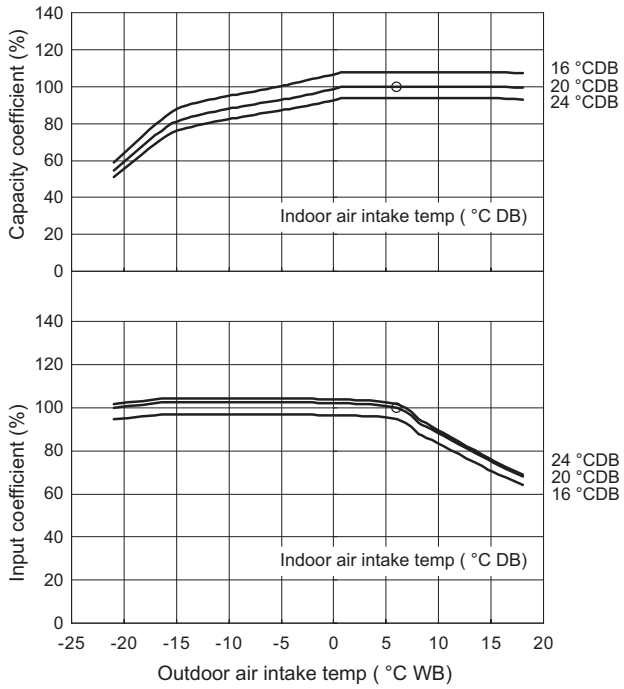
PE1

U-140PE1E5 (For 50 Hz) / U-140PE1E8 (For 50 Hz)

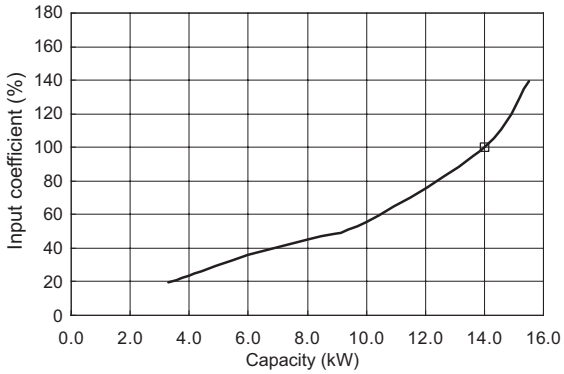
Cooling capacity ratio (maximum capacity)



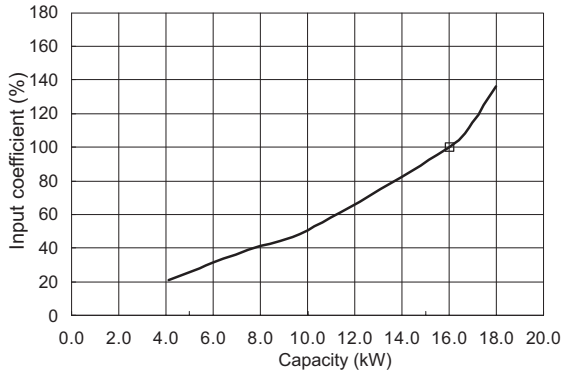
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient during of frosting/defrosting (RH approximately 85%)

Outdoor intake air temperature °C WB	-20	-15	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Correction coefficient	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.84	0.84	0.82	0.8	0.8	0.82	0.84	0.86	0.88	0.88	1	1

To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

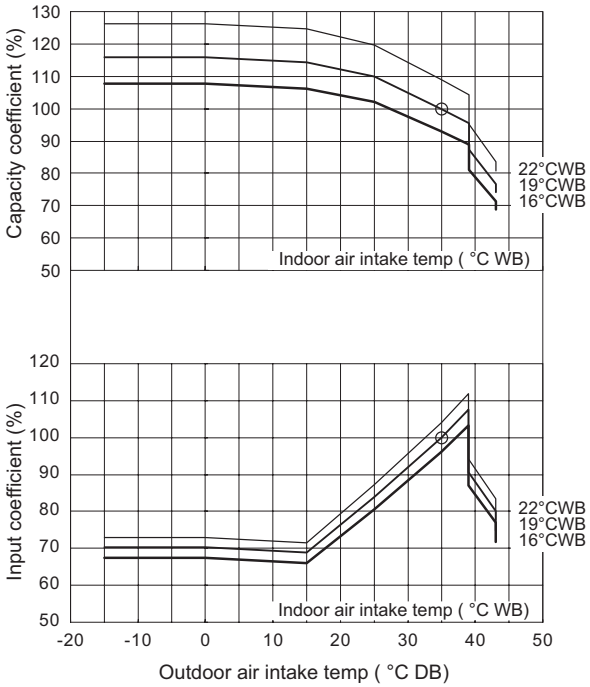
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1-5. Capacity Correction Graph According to Temperature Condition

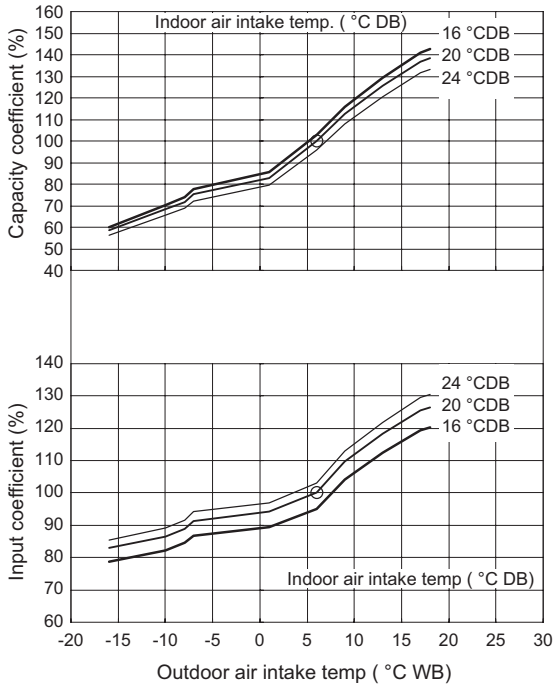
PEY1

U-60PEY1E5 (For 50 Hz)

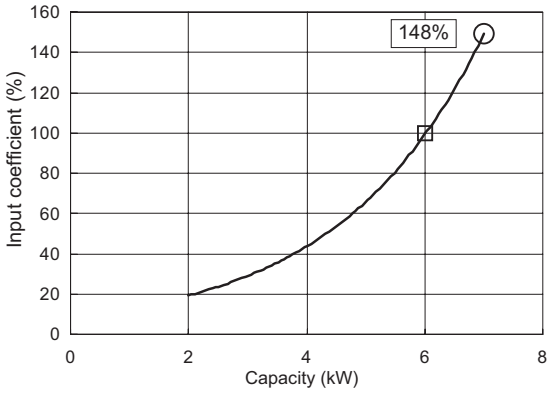
Cooling capacity ratio (maximum capacity)



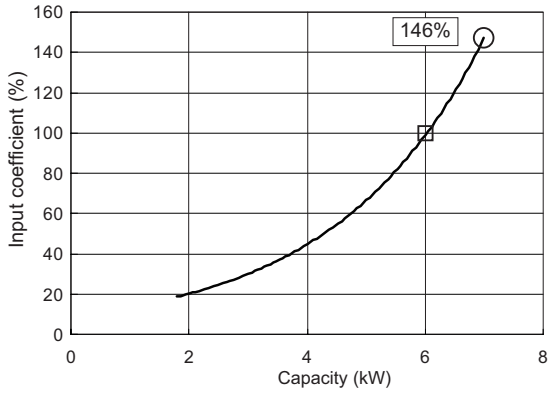
Heating capacity ratio (maximum capacity)



Cooling



Heating



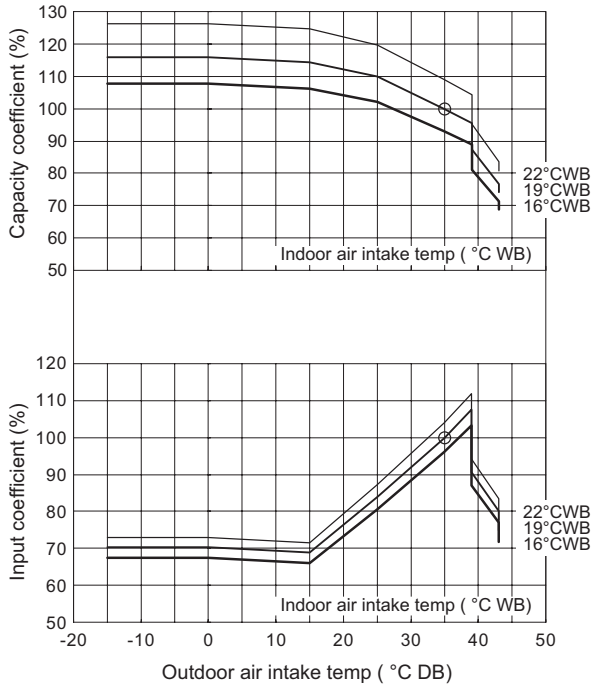
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1-5. Capacity Correction Graph According to Temperature Condition

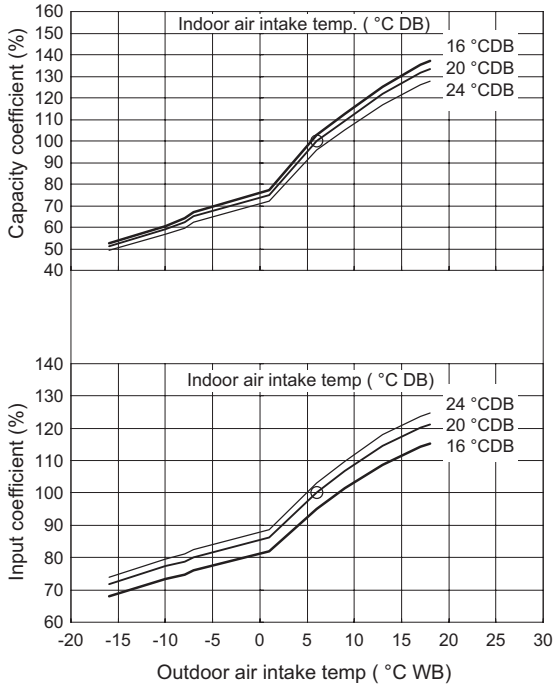
PEY1

U-71PEY1E5 (For 50 Hz)

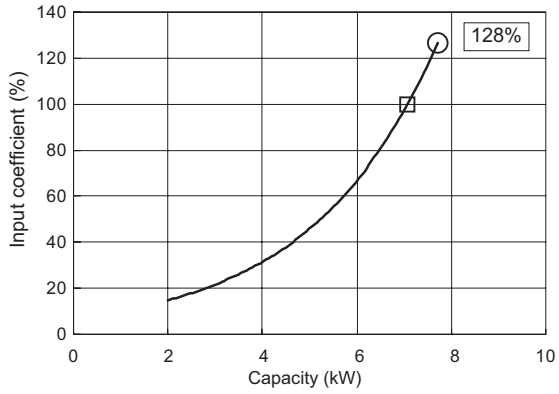
Cooling capacity ratio (maximum capacity)



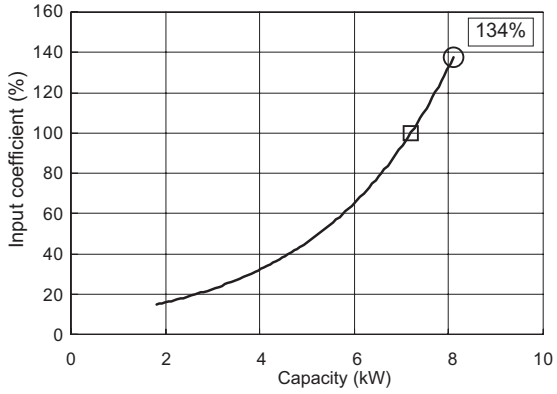
Heating capacity ratio (maximum capacity)



Cooling



Heating



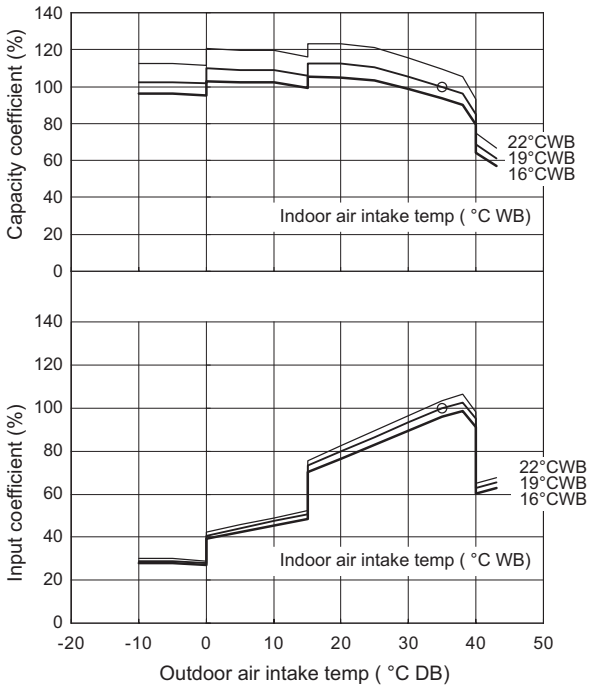
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1-5. Capacity Correction Graph According to Temperature Condition

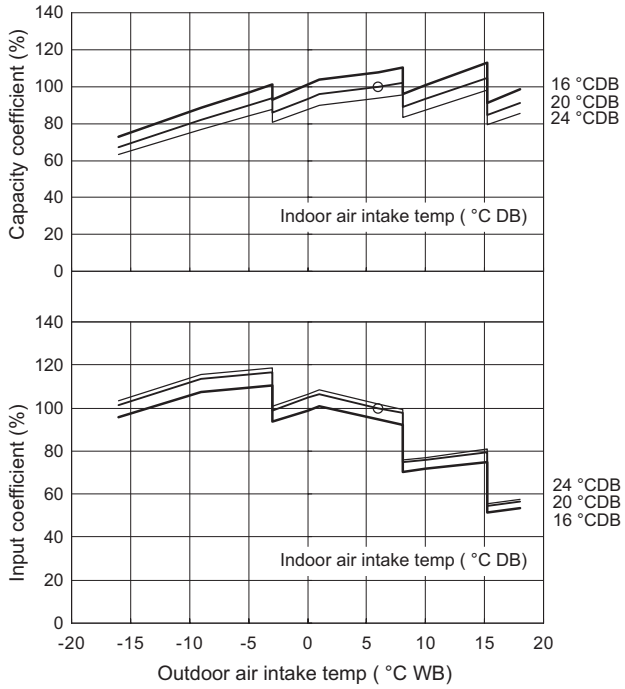
PEY1

U-100PEY1E5 (For 50 Hz) / U-100PEY1E8 (For 50 Hz)

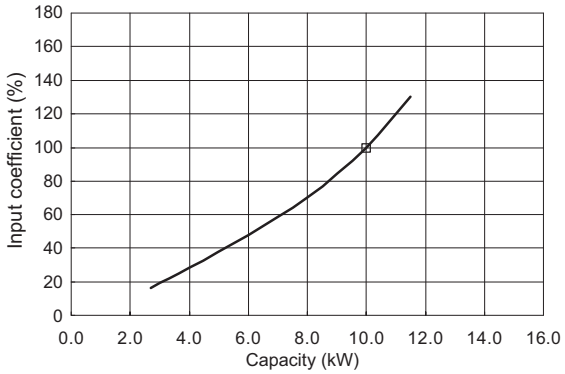
Cooling capacity ratio (maximum capacity)



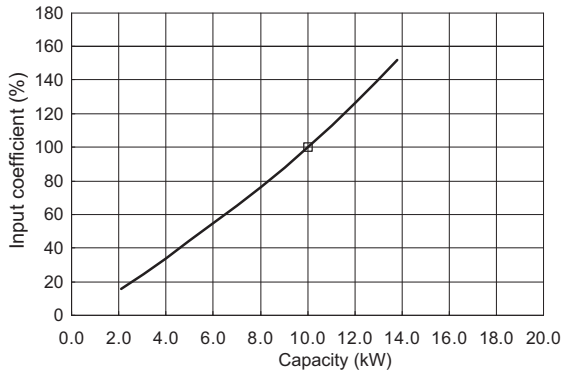
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient during of frosting/defrosting (RH approximately 85%)

Outdoor intake air temperature °C WB	-20	-15	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Correction coefficient	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.84	0.84	0.82	0.8	0.8	0.82	0.84	0.86	0.88	0.88	1	1

To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

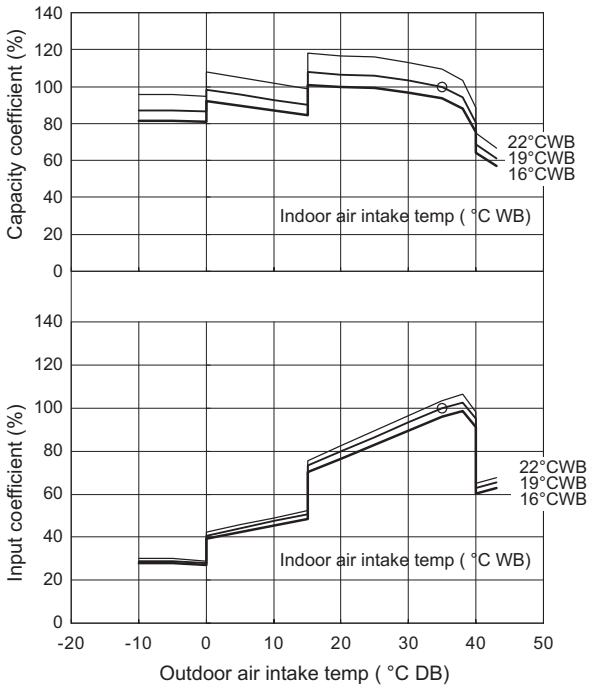
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1-5. Capacity Correction Graph According to Temperature Condition

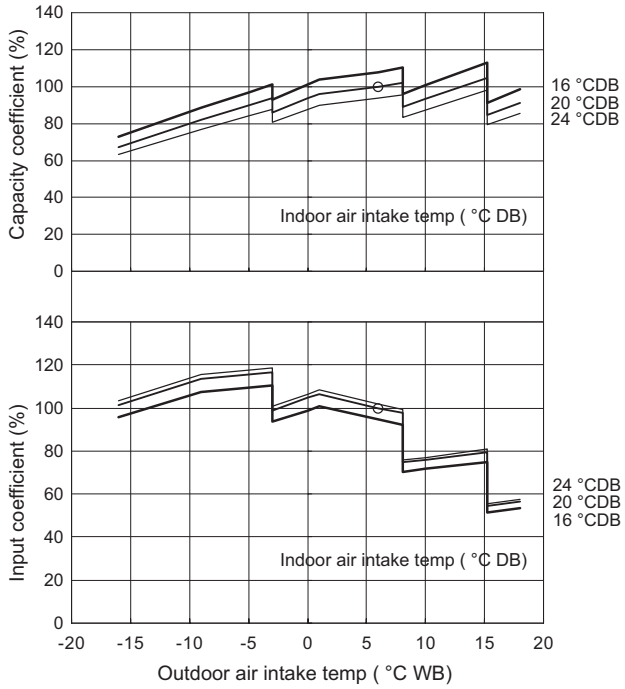
PEY1

U-125PEY1E5 (For 50 Hz) / U-125PEY1E8 (For 50 Hz)

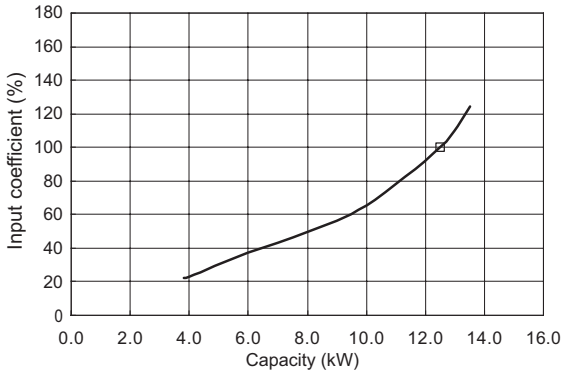
Cooling capacity ratio (maximum capacity)



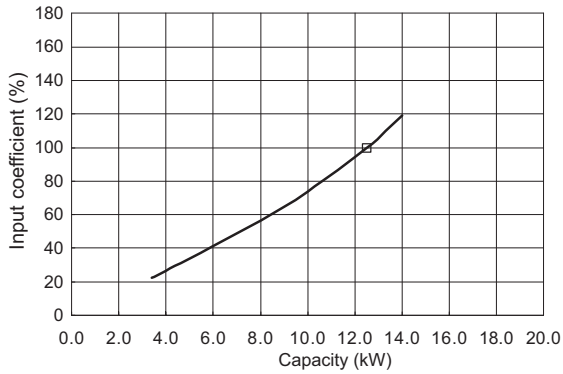
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient during of frosting/defrosting (RH approximately 85%)

Outdoor intake air temperature °C WB	-20	-15	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Correction coefficient	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.84	0.84	0.82	0.8	0.8	0.82	0.84	0.86	0.88	0.88	1	1

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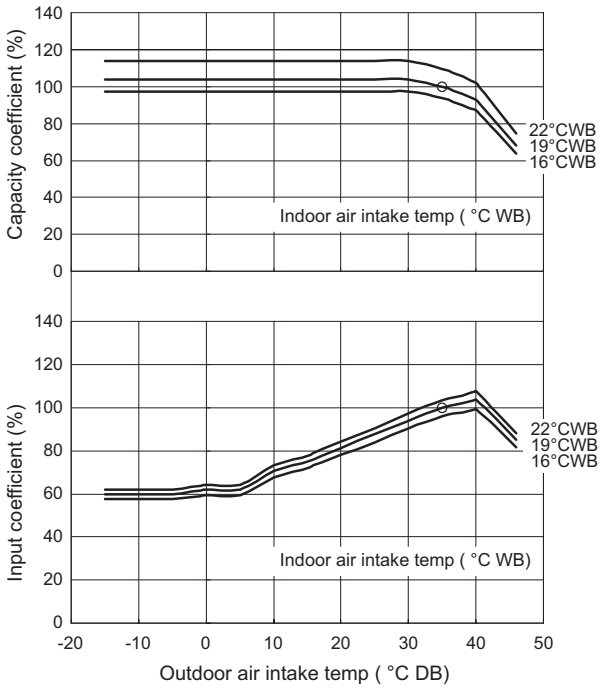
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1-5. Capacity Correction Graph According to Temperature Condition

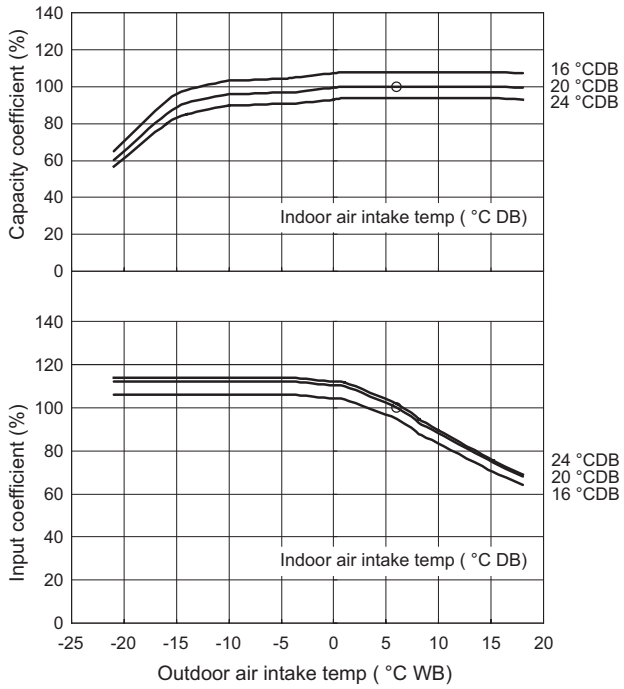
PEY1

U-140PEY1E8 (For 50 Hz)

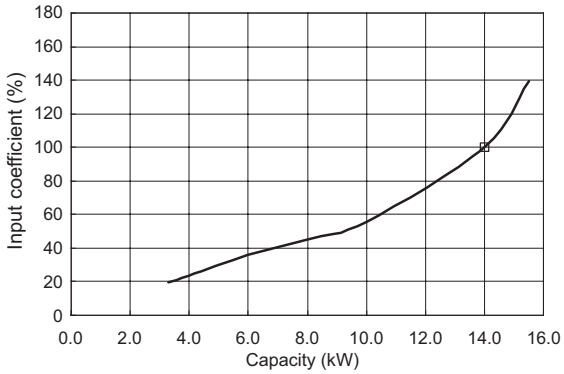
Cooling capacity ratio (maximum capacity)



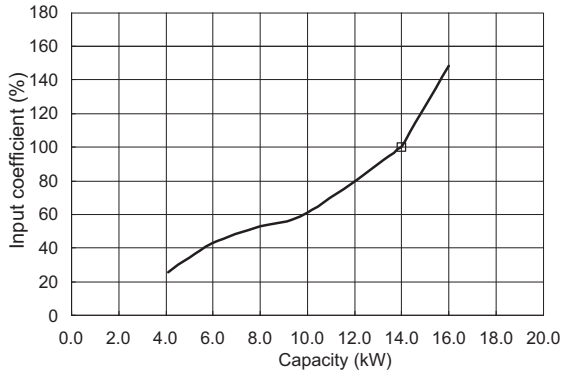
Heating capacity ratio (maximum capacity)



Cooling



Heating



Outdoor unit heating capacity correction cofficient during of frosting/defrosting (RH approximately 85%)

Outdoor intake air temperature °C WB	-20	-15	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Correction coefficient	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.84	0.84	0.82	0.8	0.8	0.82	0.84	0.86	0.88	0.88	1	1

To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

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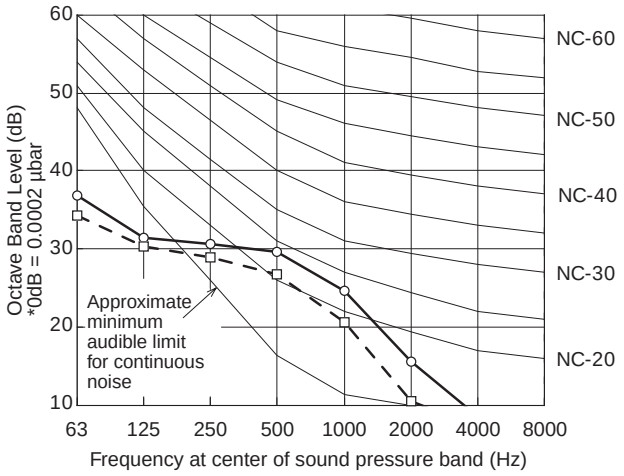
1-6. Noise Criterion Curves

(A) Indoor Units:

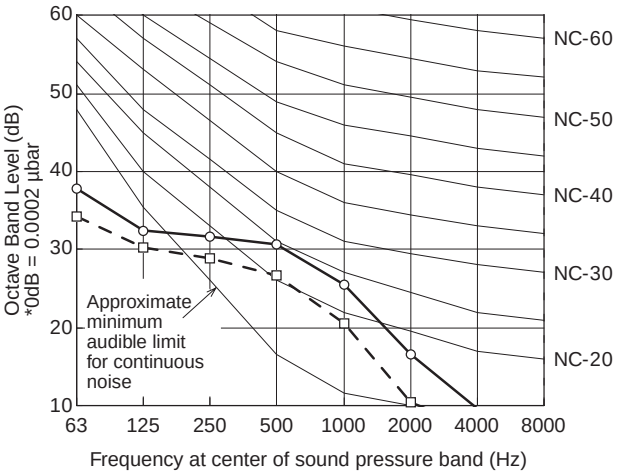
4 WAY Cassette Type

High
Low

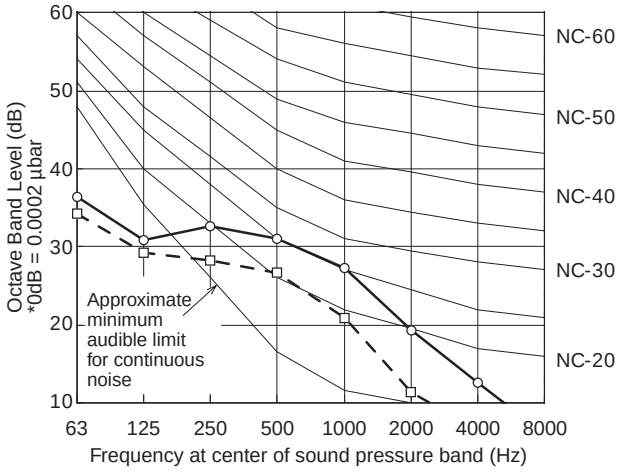
MODEL	: S-36PU1E5
SOUND LEVEL	: High 30 dB(A)
	Low 27 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



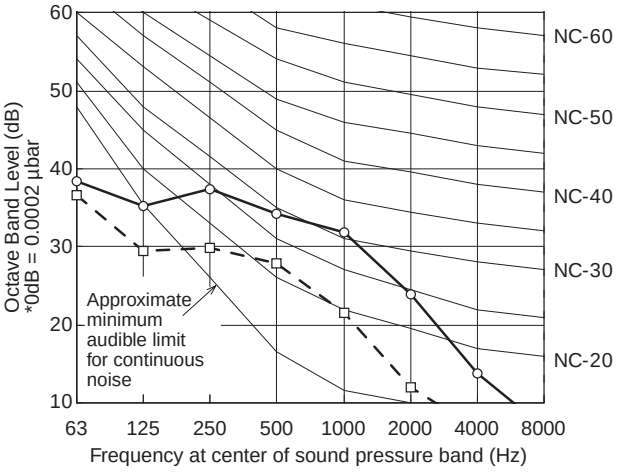
MODEL	: S-45PU1E5
SOUND LEVEL	: High 31 dB(A)
	Low 27 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: S-50PU1E5
SOUND LEVEL	: High 32 dB(A)
	Low 27 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: S-60PU1E5
SOUND LEVEL	: High 36 dB(A)
	Low 28 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



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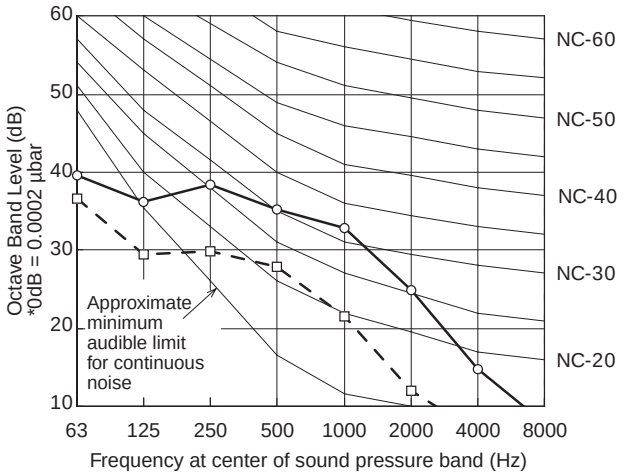
1-6. Noise Criterion Curves

(A) Indoor Units:

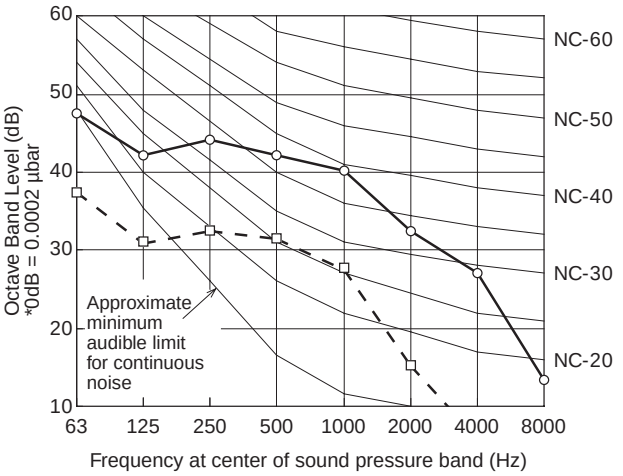
4 WAY Cassette Type

High
Low

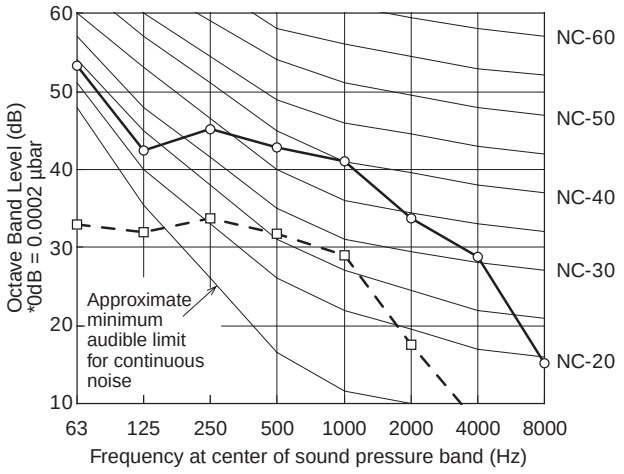
MODEL	: S-71PU1E5
SOUND LEVEL	: High 37 dB(A)
	Low 28 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



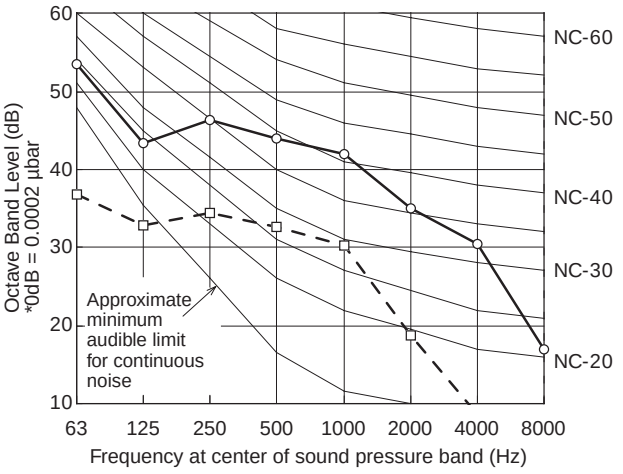
MODEL	: S-100PU1E5
SOUND LEVEL	: High 44 dB(A)
	Low 32 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: S-125PU1E5
SOUND LEVEL	: High 45 dB(A)
	Low 33 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: S-140PU1E5
SOUND LEVEL	: High 46 dB(A)
	Low 34 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



REMARKS:

1. Value obtained in the actual place where the unit is installed may be slightly higher than the values shown in this graph because of the conditions of operation, the structure of the building, the background noise and other factors.
2. The test results were obtained from an anechoic room.

NOTE

To evaluate "Noise level" the maximum number of the measured OCTAVE BAND SOUND PRESSURE LEVEL is used.
Read the number on each BAND CENTER FREQUENCIES (horizontal axis) ranging from 63 Hz to 8000 Hz and select the maximum value (vertical axis) among them.

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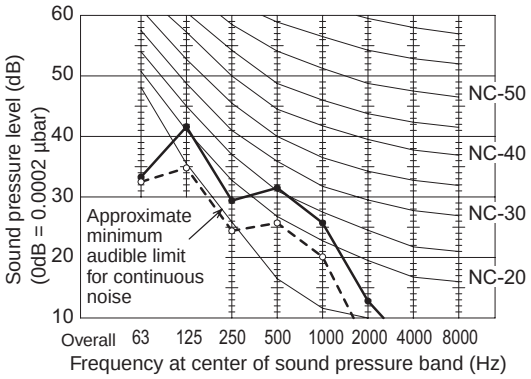
1-6. Noise Criterion Curves

(A) Indoor Units:

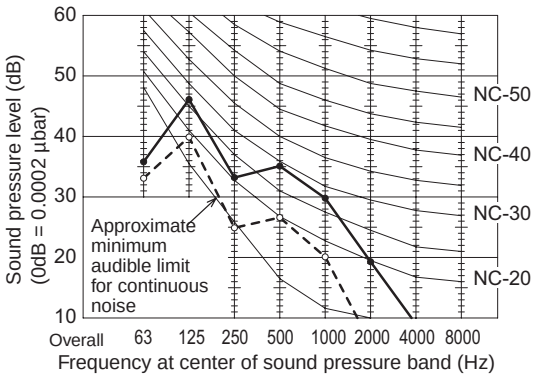
4 WAY Cassette 60×60 Type

Both 50Hz / 60Hz
Strong
Weak

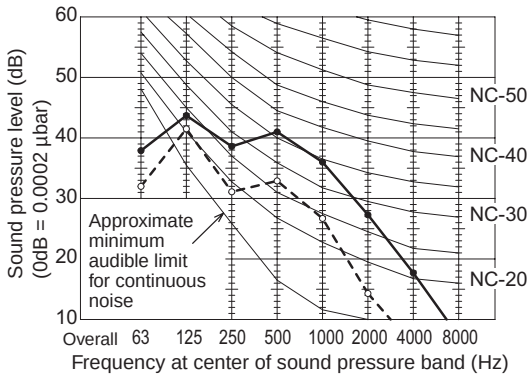
MODEL	: S-36PY1E5
SOUND LEVEL	: High 32 dB(A)
	Low 26 dB(A)
CONDITION	: 1.5 m directly below unit
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: S-45PY1E5
SOUND LEVEL	: High 36 dB(A)
	Low 28 dB(A)
CONDITION	: 1.5 m directly below unit
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: S-50PY1E5
SOUND LEVEL	: High 41 dB(A)
	Low 33 dB(A)
CONDITION	: 1.5 m directly below unit
SOURCE	: 220-230-240V, 1 phase, 50Hz



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1-6. Noise Criterion Curves

(A) Indoor Units:

Both 50Hz / 60Hz
High
Low

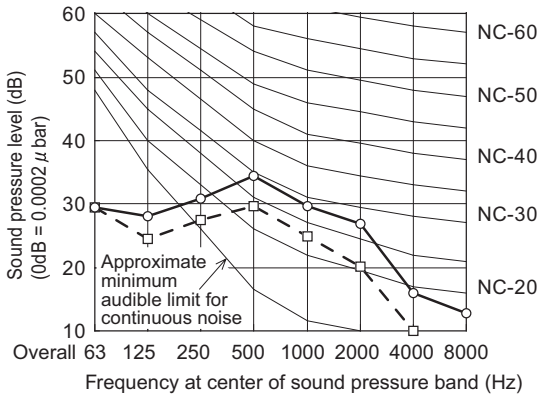
Ceiling Type

MODEL : S-36PT1E5

SOUND LEVEL : High 35 dB(A)
Low 30 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

SOURCE : 220-230-240V, 1 phase, 50Hz

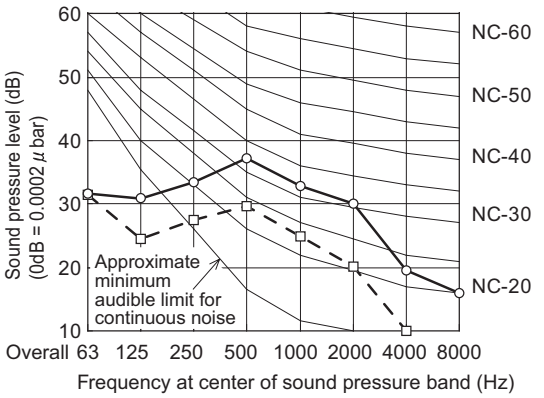


MODEL : S-45PT1E5
S-50PT1E5

SOUND LEVEL : High 38 dB(A)
Low 30 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

SOURCE : 220-230-240V, 1 phase, 50Hz

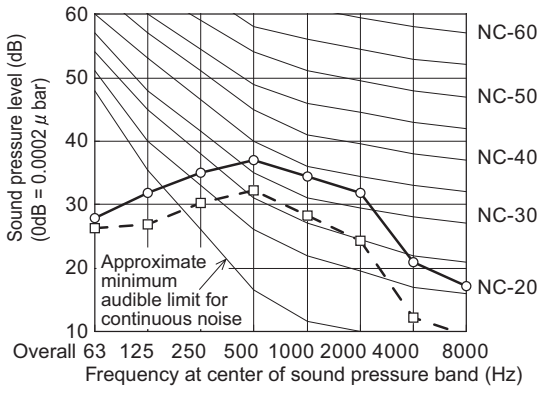


MODEL : S-60PT1E5
S-71PT1E5

SOUND LEVEL : High 39 dB(A)
Low 33 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

SOURCE : 220-230-240V, 1 phase, 50Hz

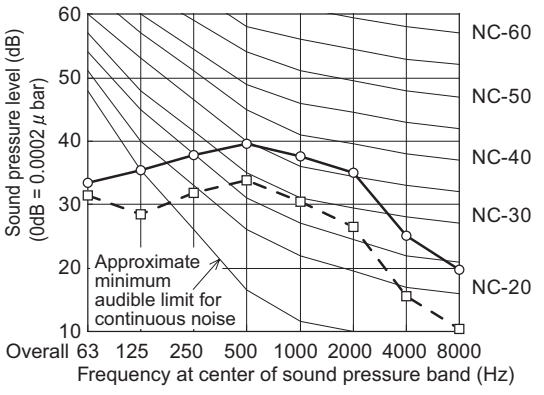


MODEL : S-100PT1E5

SOUND LEVEL : High 42 dB(A)
Low 35 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

SOURCE : 220-230-240V, 1 phase, 50Hz

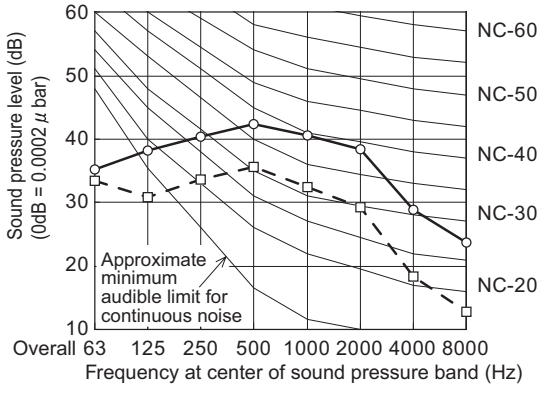


MODEL : S-125PT1E5

SOUND LEVEL : High 45 dB(A)
Low 37 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

SOURCE : 220-230-240V, 1 phase, 50Hz

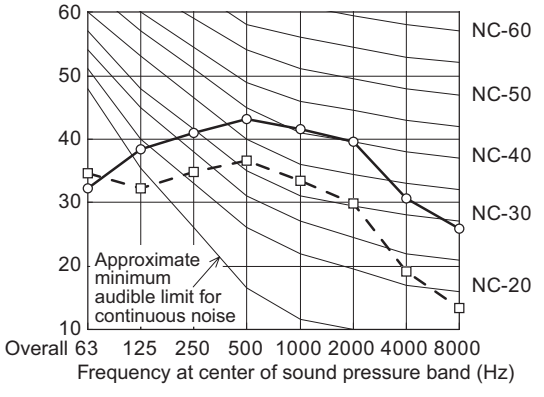


MODEL : S-140PT1E5

SOUND LEVEL : High 46 dB(A)
Low 38 dB(A)

CONDITION : 1 m from front of outlet at height of 1 m

SOURCE : 220-230-240V, 1 phase, 50Hz



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1-6. Noise Criterion Curves

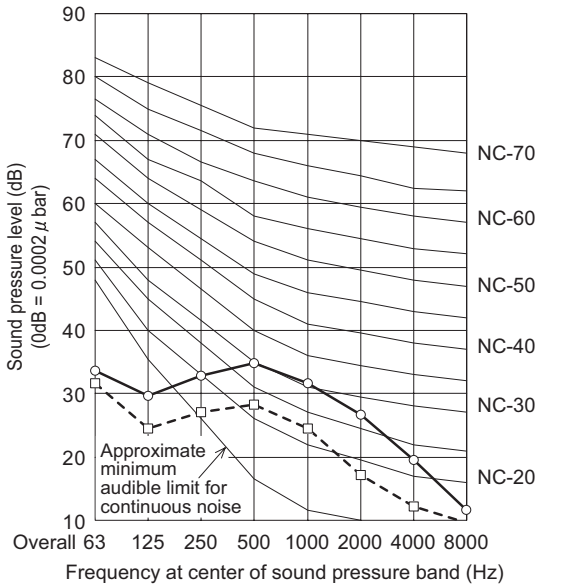
(A) Indoor Units:

Ceiling Type

Both 50Hz / 60Hz
High
Low

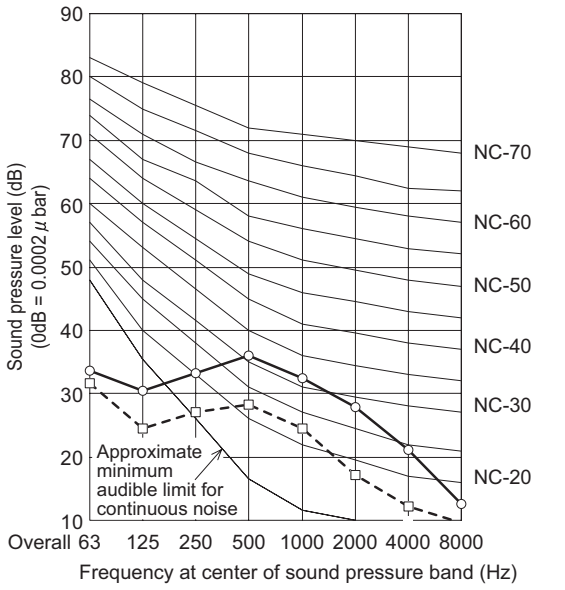
MODEL : S-36PT2E5

SOUND LEVEL :	High	36 dB(A)
	Low	29 dB(A)
CONDITION	: 1 m from front of outlet at height of 1 m	
SOURCE	: 220-230-240V, 1 phase, 50Hz	



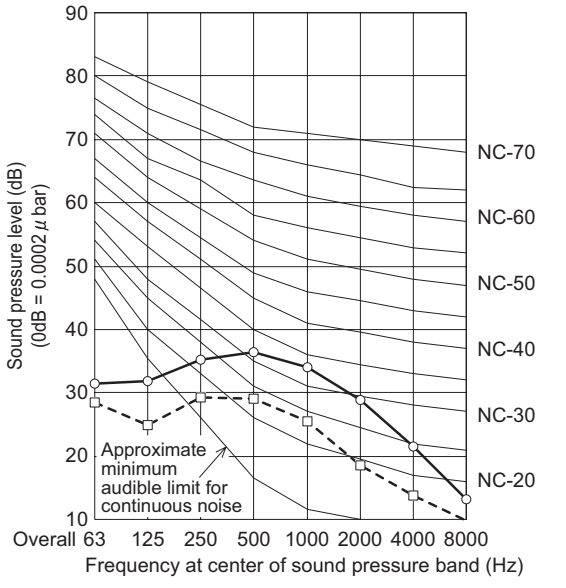
MODEL : S-45PT2E5
S-50PT2E5

SOUND LEVEL :	High	37 dB(A)
	Low	29 dB(A)
CONDITION	: 1 m from front of outlet at height of 1 m	
SOURCE	: 220-230-240V, 1 phase, 50Hz	



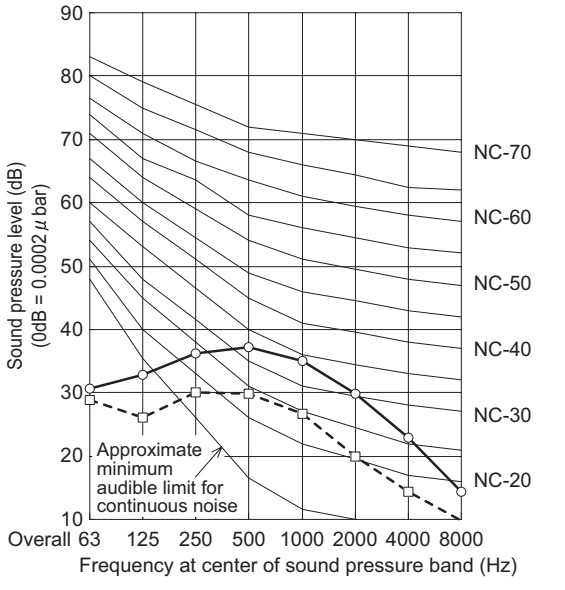
MODEL : S-60PT2E5

SOUND LEVEL :	High	38 dB(A)
	Low	30 dB(A)
CONDITION	: 1 m from front of outlet at height of 1 m	
SOURCE	: 220-230-240V, 1 phase, 50Hz	



MODEL : S-71PT2E5

SOUND LEVEL :	High	39 dB(A)
	Low	31 dB(A)
CONDITION	: 1 m from front of outlet at height of 1 m	
SOURCE	: 220-230-240V, 1 phase, 50Hz	



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1-6. Noise Criterion Curves

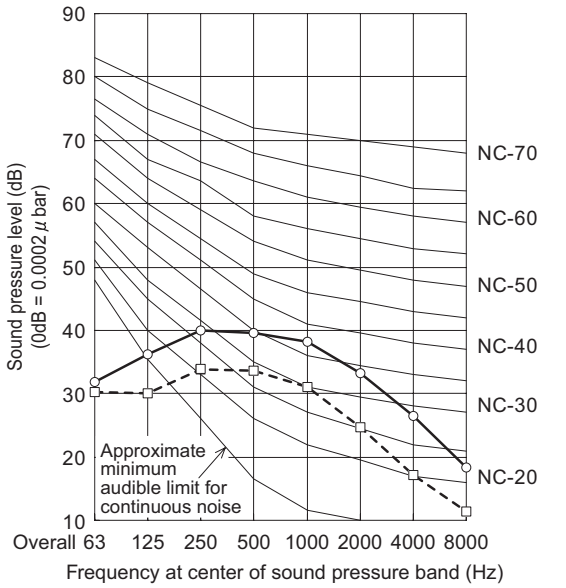
(A) Indoor Units:

Ceiling Type

Both 50Hz / 60Hz
—○— High
– □ – Low

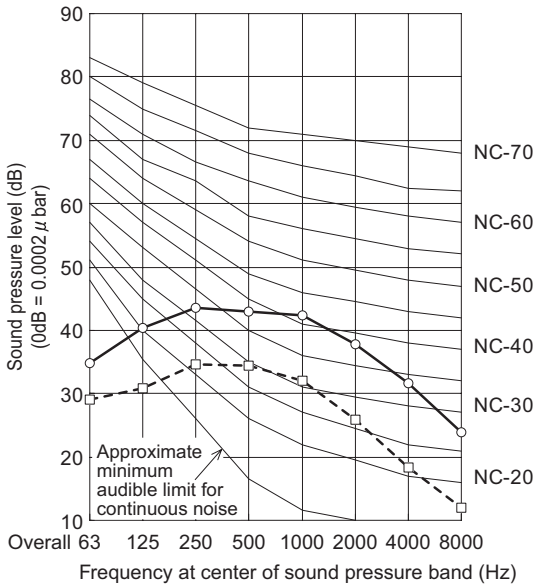
MODEL : S-100PT2E5

SOUND LEVEL :	High	42 dB(A)
	Low	35 dB(A)
CONDITION	: 1 m from front of outlet at height of 1 m	
SOURCE	: 220-230-240V, 1 phase, 50Hz	



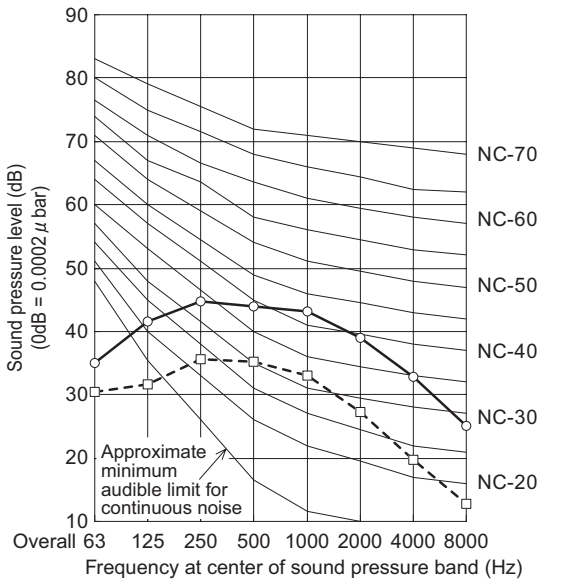
MODEL : S-125PT2E5

SOUND LEVEL :	High	46 dB(A)
	Low	36 dB(A)
CONDITION	: 1 m from front of outlet at height of 1 m	
SOURCE	: 220-230-240V, 1 phase, 50Hz	



MODEL : S-140PT2E5

SOUND LEVEL :	High	47 dB(A)
	Low	37 dB(A)
CONDITION	: 1 m from front of outlet at height of 1 m	
SOURCE	: 220-230-240V, 1 phase, 50Hz	



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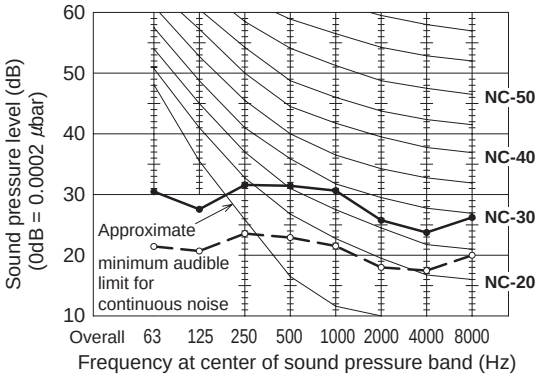
1-6. Noise Criterion Curves

(A) Indoor Units:

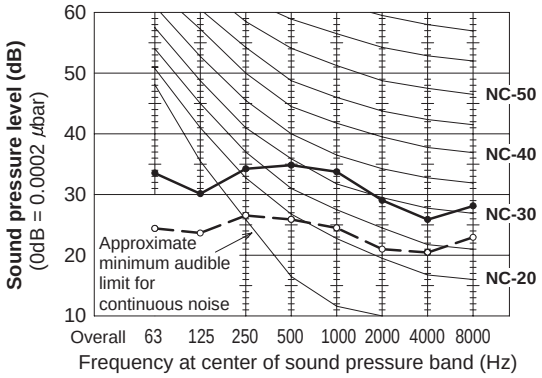
Wall Mounted Type

Both 50Hz / 60Hz
Strong
Weak

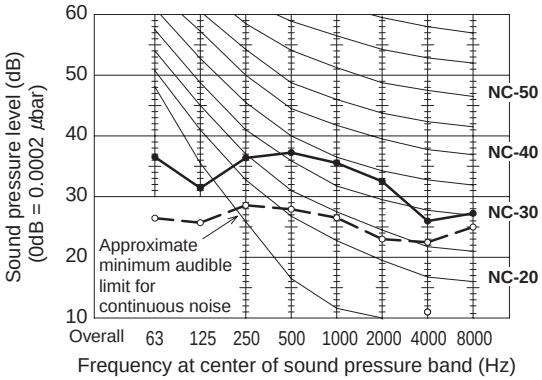
MODEL	: S-36PK1E5	
SOUND LEVEL	: STRONG	35 dB(A)
	High	31 dB(A)
	Low	27 dB(A)
CONDITION	: 1 m in front at height of 1 m	
SOURCE	: 220-230-240V, 1 phase, 50Hz	



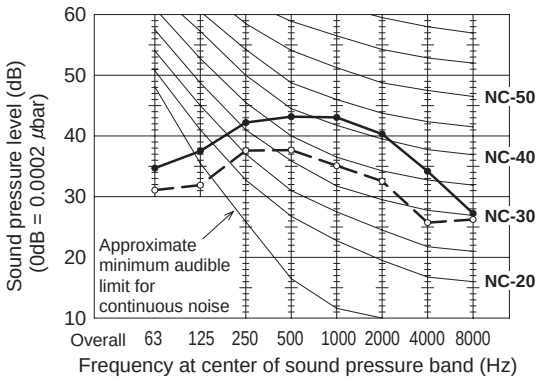
MODEL	: S-45PK1E5	
SOUND LEVEL	: STRONG	38 dB(A)
	High	34 dB(A)
	Low	30 dB(A)
CONDITION	: 1 m in front at height of 1 m	
SOURCE	: 220-230-240V, 1 phase, 50Hz	



MODEL	: S-50PK1E5	
SOUND LEVEL	: STRONG	40 dB(A)
	High	36 dB(A)
	Low	32 dB(A)
CONDITION	: 1 m in front at height of 1 m	
SOURCE	: 220-230-240V, 1 phase, 50Hz	



MODEL	: S-60PK1E5, S-71PK1E5	
SOUND LEVEL	: STRONG	47 dB(A)
	High	44 dB(A)
	Low	40 dB(A)
CONDITION	: 1 m in front at height of 1 m	
SOURCE	: 220-230-240V, 1 phase, 50Hz	



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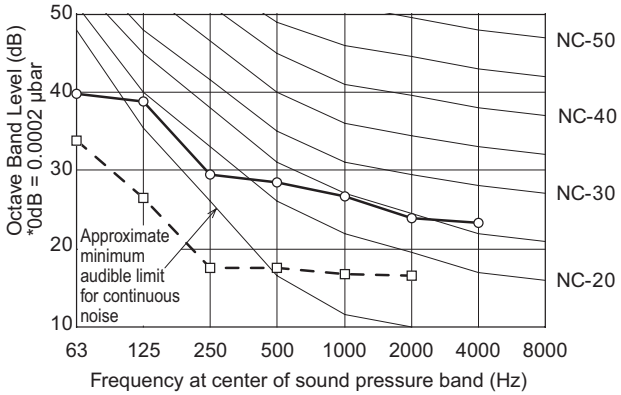
1-6. Noise Criterion Curves

(A) Indoor Units

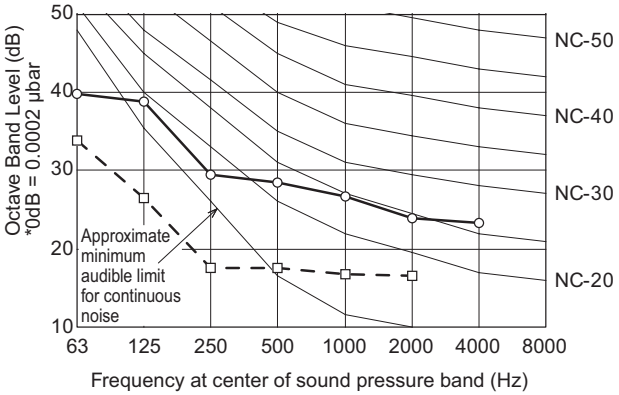
Low Silhouette Ducted Type

High
Low

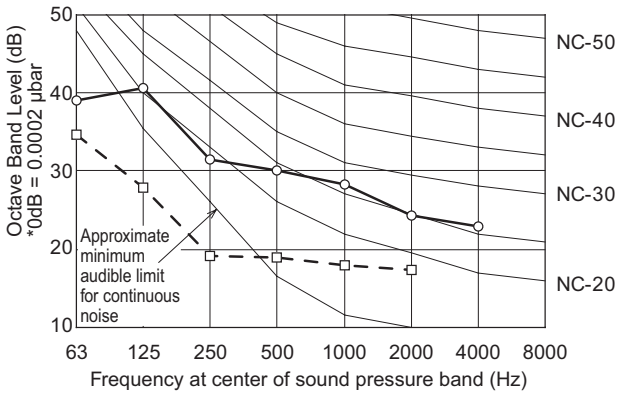
MODEL	: S-36PF1E5
SOUND LEVEL	: High 33 dB(A)
	Low 25 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



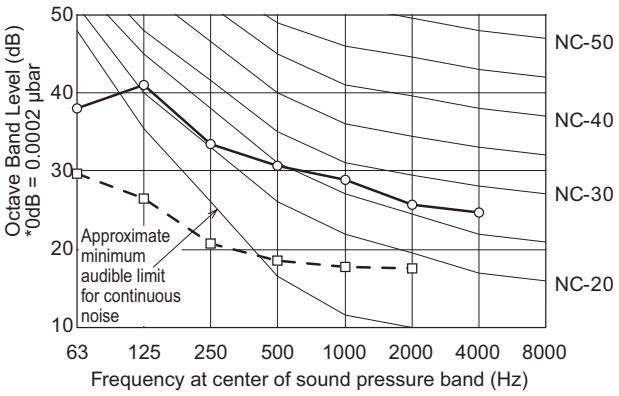
MODEL	: S-45PF1E5
SOUND LEVEL	: High 33 dB(A)
	Low 25 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



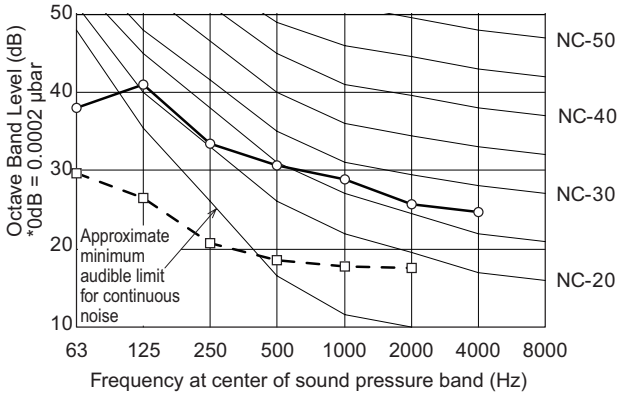
MODEL	: S-50PF1E5
SOUND LEVEL	: High 34 dB(A)
	Low 26 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: S-60PF1E5
SOUND LEVEL	: High 35 dB(A)
	Low 26 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: S-71PF1E5
SOUND LEVEL	: High 35 dB(A)
	Low 26 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



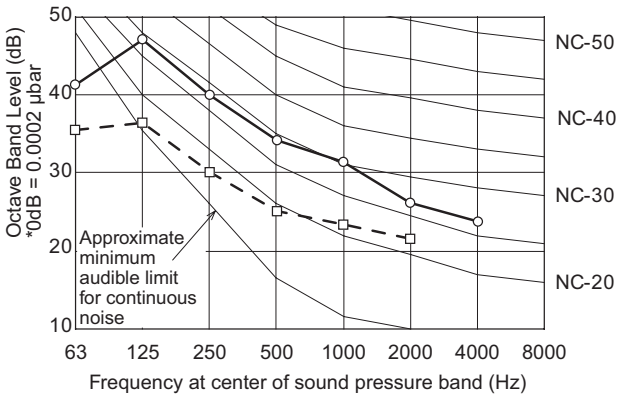
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1-6. Noise Criterion Curves

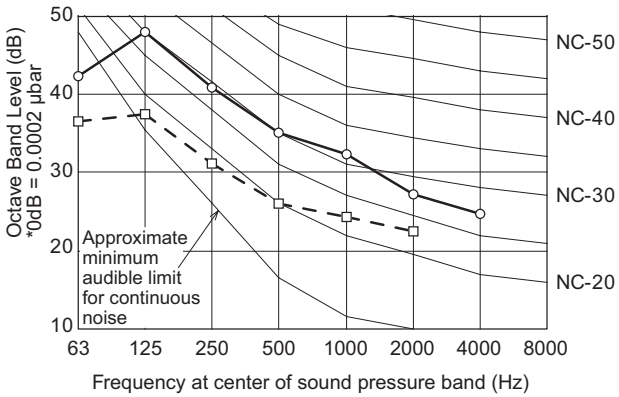
(A) Indoor Units

Low Silhouette Ducted Type

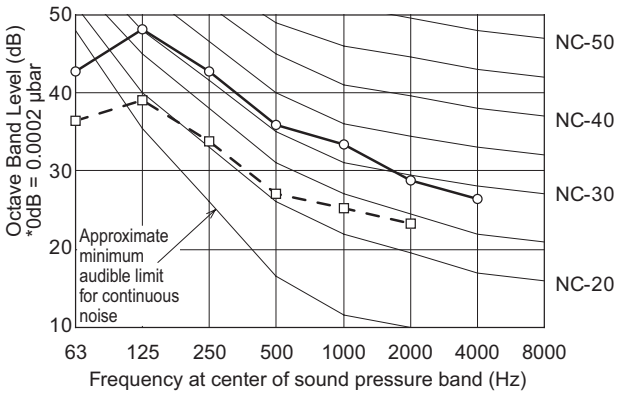
MODEL	: S-100PF1E5
SOUND LEVEL	: High 38 dB(A)
	Low 31 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: S-125PF1E5
SOUND LEVEL	: High 39 dB(A)
	Low 32 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: S-140PF1E5
SOUND LEVEL	: High 40 dB(A)
	Low 33 dB(A)
CONDITION	: Under the unit 1.5m
SOURCE	: 220-230-240V, 1 phase, 50Hz



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1-6. Noise Criterion Curves

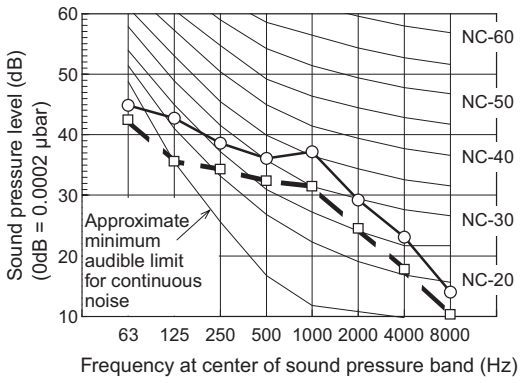
(A) Indoor Units

Ducted Type

High
Low

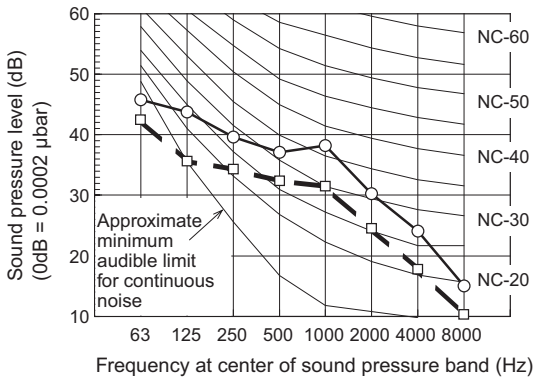
MODEL : S-36PN1E5

SOUND LEVEL	: HIGH	40 dB(A)
	LOW	35 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	



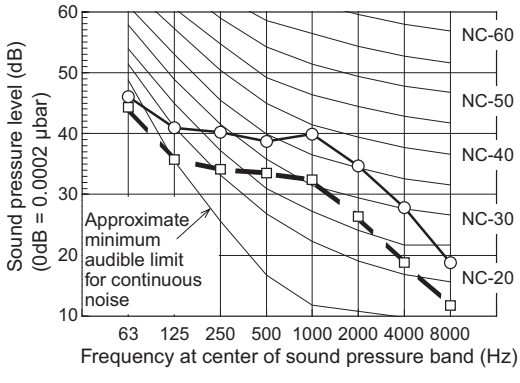
MODEL : S-45PN1E5
S-50PN1E5

SOUND LEVEL	: HIGH	41 dB(A)
	LOW	35 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	



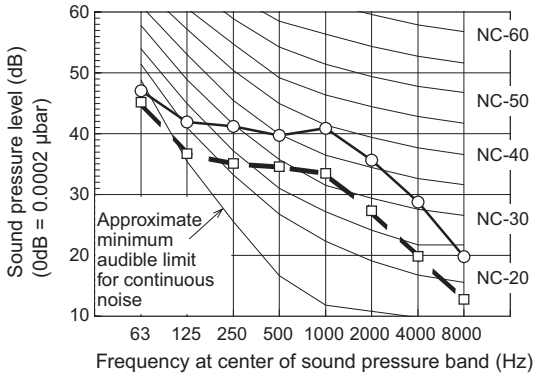
MODEL : S-60PN1E5
S-71PN1E5

SOUND LEVEL	: HIGH	43 dB(A)
	LOW	36 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	



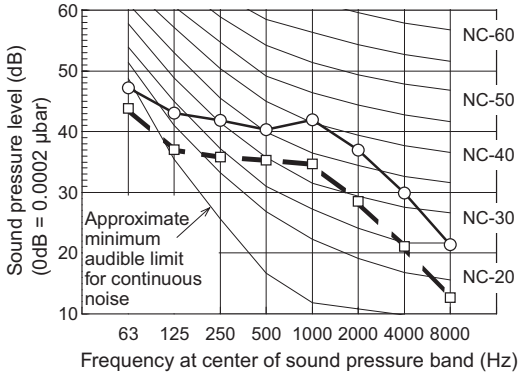
MODEL : S-100PN1E5

SOUND LEVEL	: HIGH	44 dB(A)
	LOW	37 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	



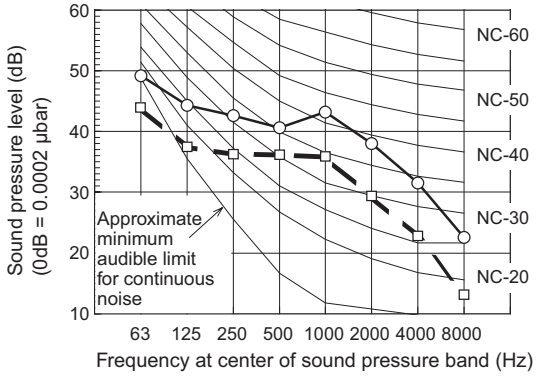
MODEL : S-125PN1E5

SOUND LEVEL	: HIGH	45 dB(A)
	LOW	38 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	



MODEL : S-140PN1E5

SOUND LEVEL	: HIGH	46 dB(A)
	LOW	39 dB(A)
CONDITION	: Under the unit 1.5m	
SOURCE	: 220-230-240V , Single Phase , 50Hz	

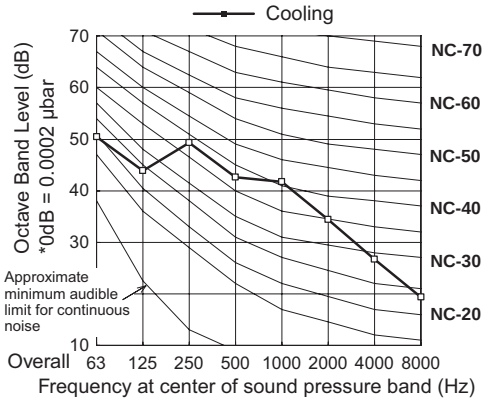


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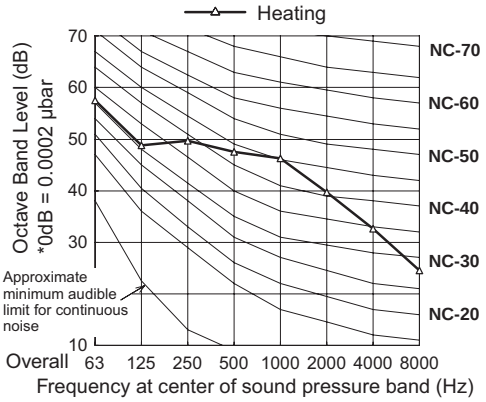
1-6. Noise Criterion Curves

(B) Outdoor Unit

MODEL	: U-50PE1E5
SOUND LEVEL	: Cooling 46 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: U-50PE1E5
SOUND LEVEL	: Heating 50 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz

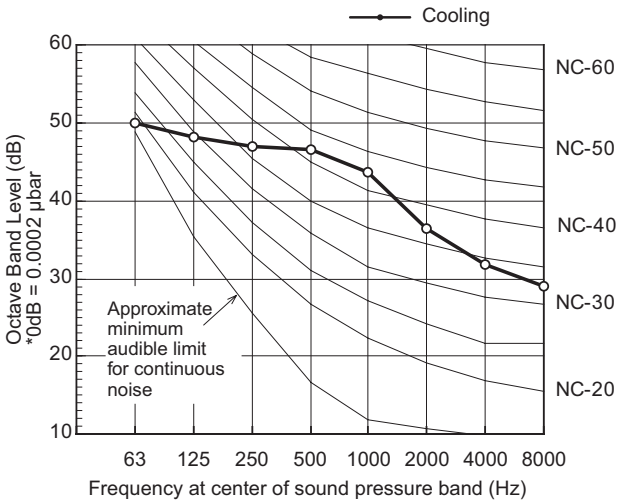


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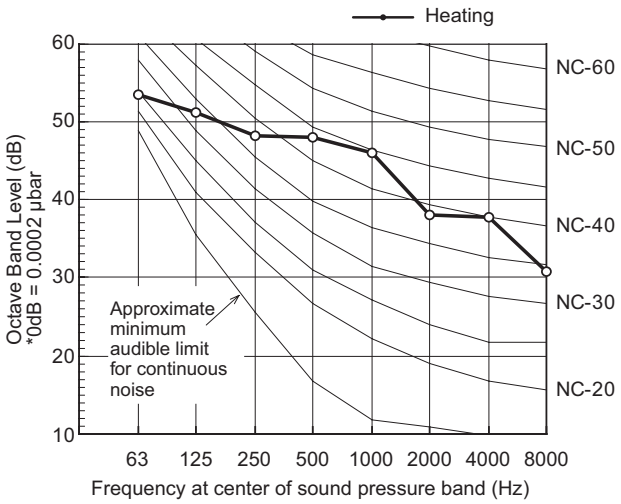
1-6. Noise Criterion Curves

(B) Outdoor Unit

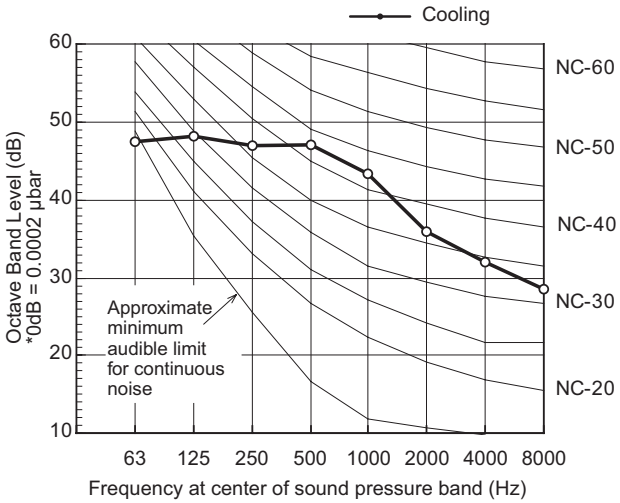
MODEL	: U-60PE1E5
SOUND LEVEL	: Cooling 48 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



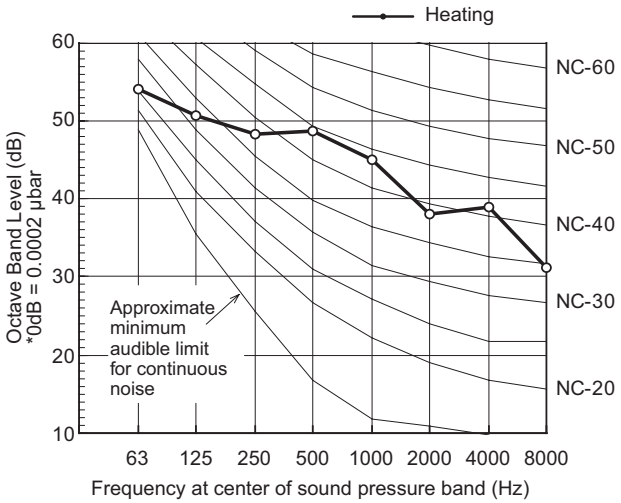
MODEL	: U-60PE1E5
SOUND LEVEL	: Heating 50 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: U-71PE1E5, U-71PE1E8	
SOUND LEVEL	: Cooling 48 dB(A)	
CONDITION	: 1 m in front at height of 1.5 m	
SOURCE	1 phase model	: 220-230-240V, 1 phase, 50Hz
	3 phase model	: 380-400-415V, 3 phase, 50Hz



MODEL	: U-71PE1E5, U-71PE1E8	
SOUND LEVEL	: Heating 50 dB(A)	
CONDITION	: 1 m in front at height of 1.5 m	
SOURCE	1 phase model	: 220-230-240V, 1 phase, 50Hz
	3 phase model	: 380-400-415V, 3 phase, 50Hz

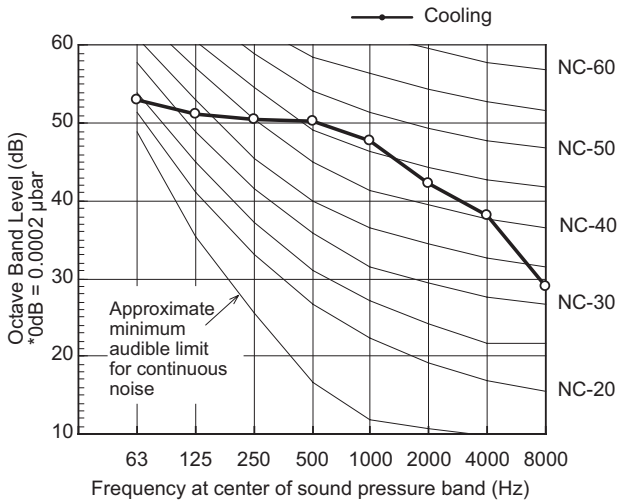


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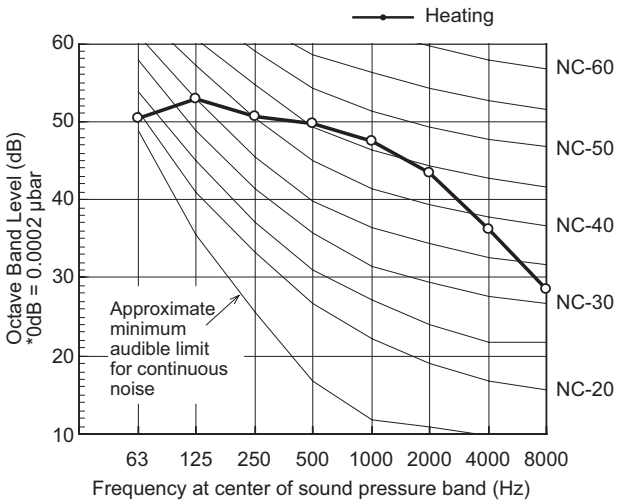
1-6. Noise Criterion Curves

(B) Outdoor Unit

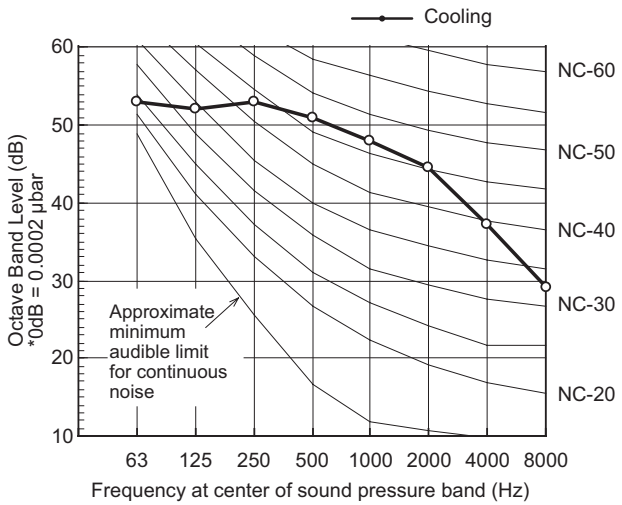
MODEL	: U-100PE1E5, U-100PE1E8
SOUND LEVEL	: Cooling 52 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



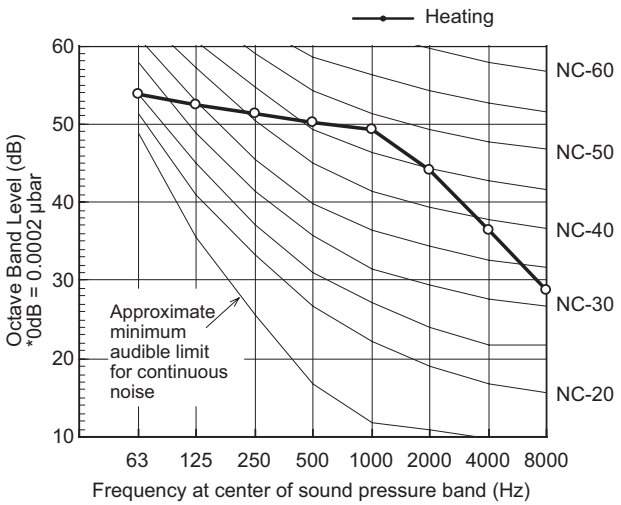
MODEL	: U-100PE1E5, U-100PE1E8
SOUND LEVEL	: Heating 52 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



MODEL	: U-125PE1E5,U-125PE1E8
SOUND LEVEL	: Cooling 53 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



MODEL	: U-125PE1E5, U-125PE1E8
SOUND LEVEL	: Heating 53 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz

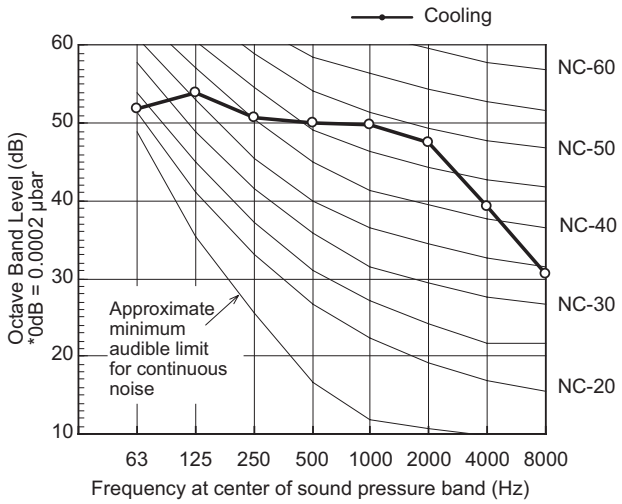


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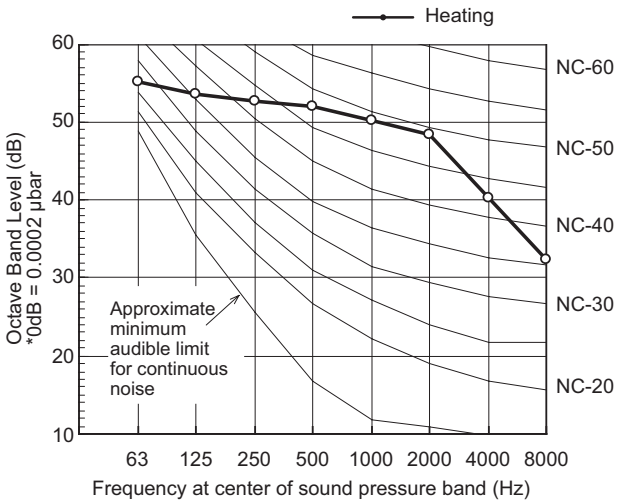
1-6. Noise Criterion Curves

(B) Outdoor Unit

MODEL	: U-140PE1E5, U-140PE1E8
SOUND LEVEL	: Cooling 54 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



MODEL	: U-140PE1E5, U-140PE1E8
SOUND LEVEL	: Heating 55 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz

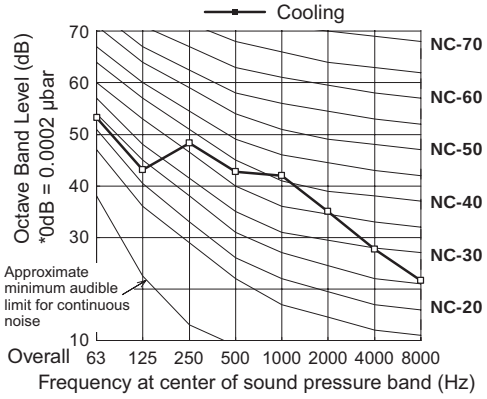


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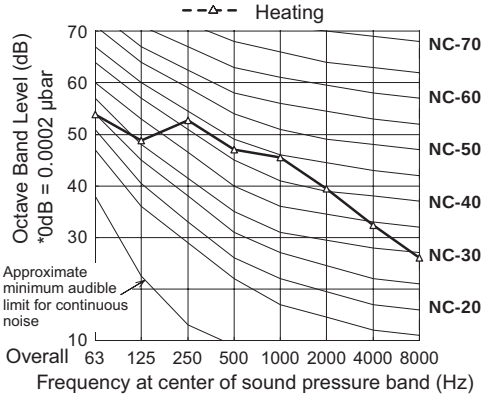
1-6. Noise Criterion Curves

(B) Outdoor Unit

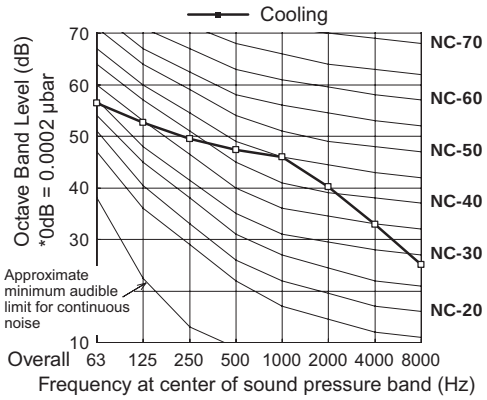
MODEL	: U-60PEY1E5
SOUND LEVEL	: Cooling 46 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



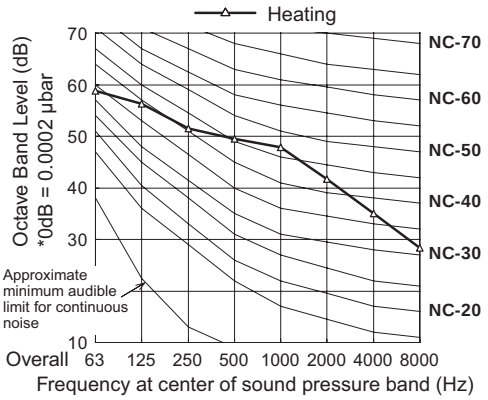
MODEL	: U-60PEY1E5
SOUND LEVEL	: Heating 50 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: U-71PEY1E5
SOUND LEVEL	: Cooling 50 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz



MODEL	: U-71PEY1E5
SOUND LEVEL	: Heating 52 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 220-230-240V, 1 phase, 50Hz

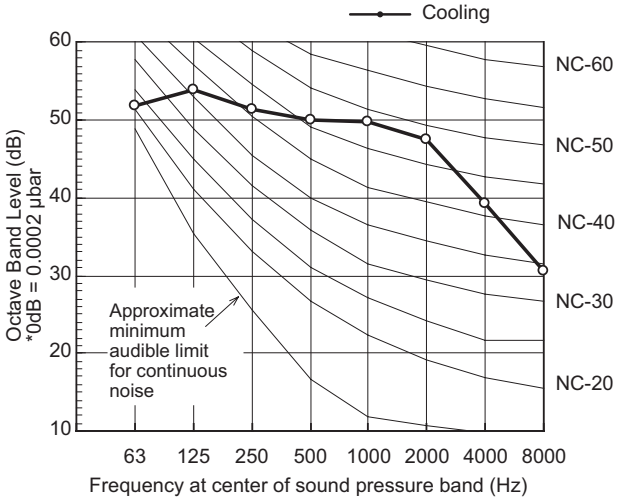


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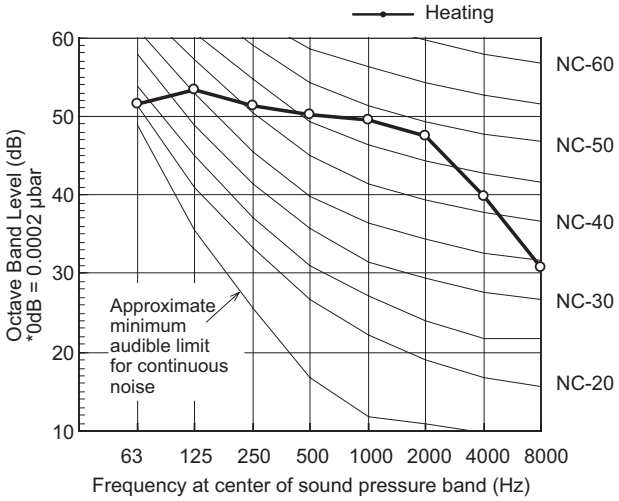
1-6. Noise Criterion Curves

(B) Outdoor Unit

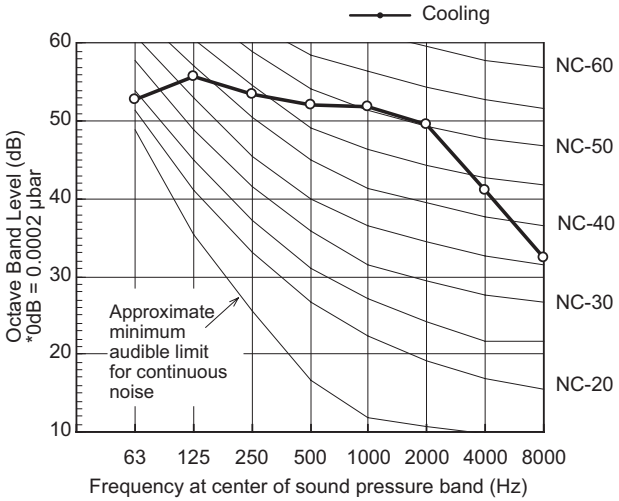
MODEL	: U-100PEY1E5, U-100PEY1E8
SOUND LEVEL	: Cooling 54 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



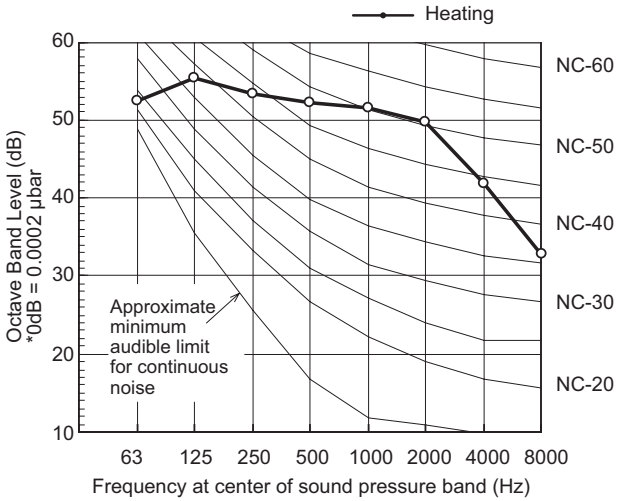
MODEL	: U-100PEY1E5, U-100PEY1E8
SOUND LEVEL	: Heating 54 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



MODEL	: U-125PEY1E5, U-125PEY1E8
SOUND LEVEL	: Cooling 56 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz



MODEL	: U-125PEY1E5, U-125PEY1E8
SOUND LEVEL	: Heating 56 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	1 phase model : 220-230-240V, 1 phase, 50Hz
	3 phase model : 380-400-415V, 3 phase, 50Hz

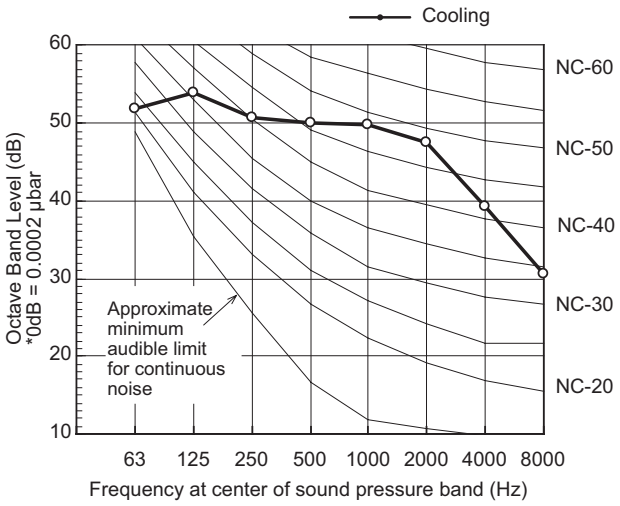


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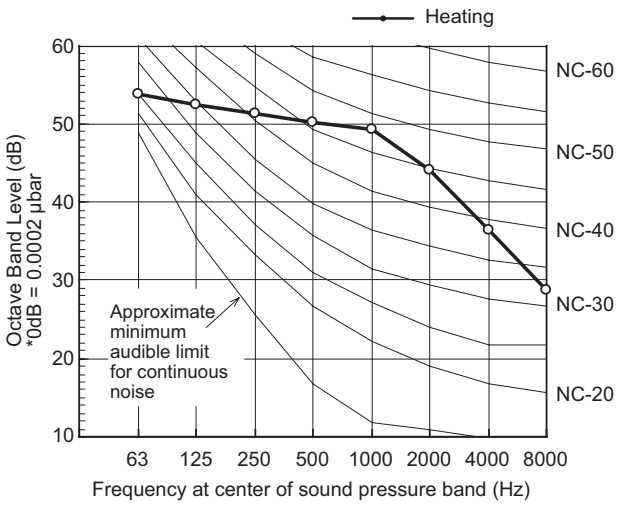
1-6. Noise Criterion Curves

(B) Outdoor Unit

MODEL	: U-140PEY1E8
SOUND LEVEL	: Cooling 54 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 380-400-415V, 3 phase, 50Hz



MODEL	: U-140PEY1E8
SOUND LEVEL	: Heating 53 dB(A)
CONDITION	: 1 m in front at height of 1.5 m
SOURCE	: 380-400-415V, 3 phase, 50Hz

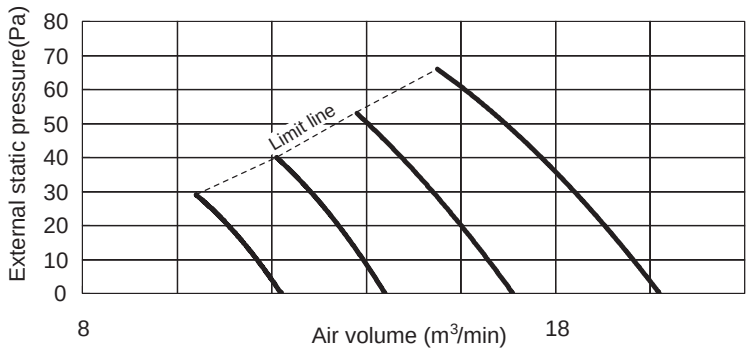


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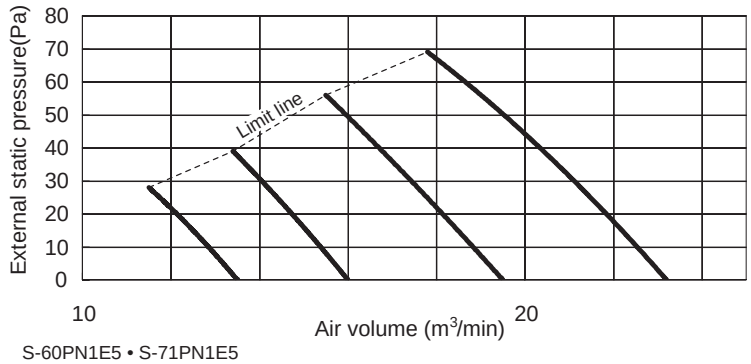
1-7. Indoor Fan Performance

External Static Pressure Setting for AC Fan Motor Model
To apply to following models
■ S-36PN1E5 , S-45PN1E5 , S-50PN1E5
There are two tap connector located in indoor unit control box can be selected.
The "blue connector" is standard tap ,use-as-is at shipment.
For high static pressure duct ,switch Fan Motor connector to plug in boost tap "white connector" to elevate air volume.

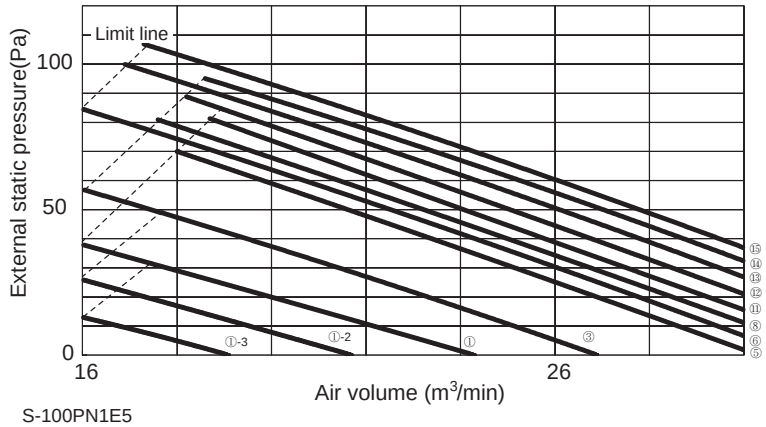
S-36PN1E5 P-Q CURVE



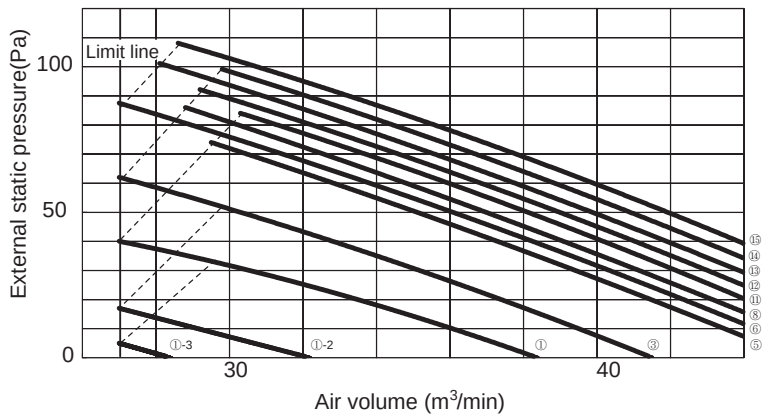
S-45PN1E5, S-50PN1E5 P-Q CURVE



S-60PN1E5 • S-71PN1E5



S-100PN1E5



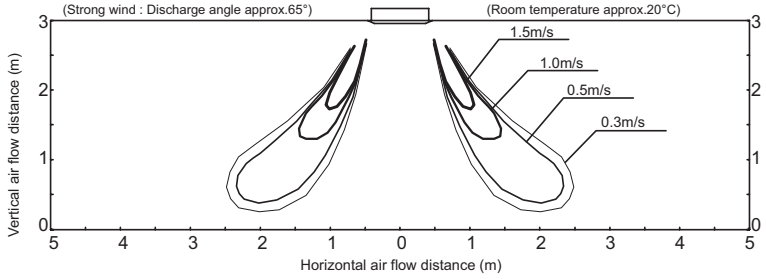
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1-8. Airflow Distance Chart

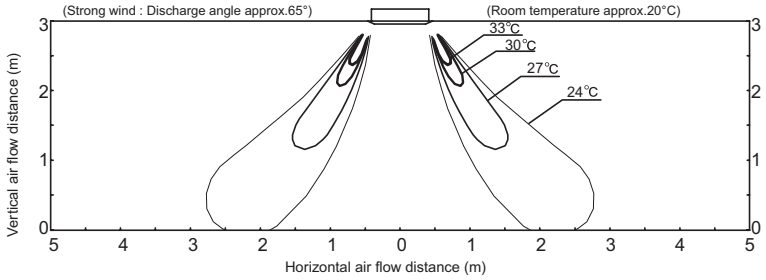
4-Way Cassette Type

S-60PU1E5 / 71PU1E5

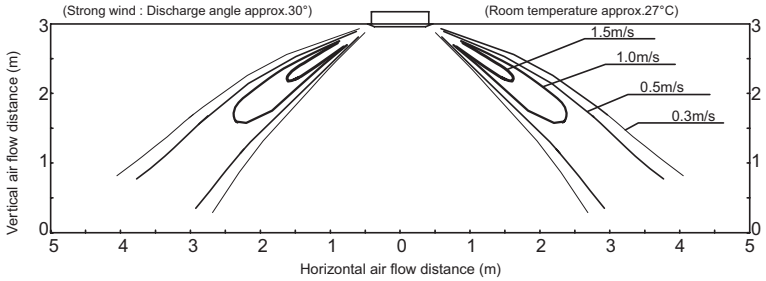
Heating : Distribution of wind velocity



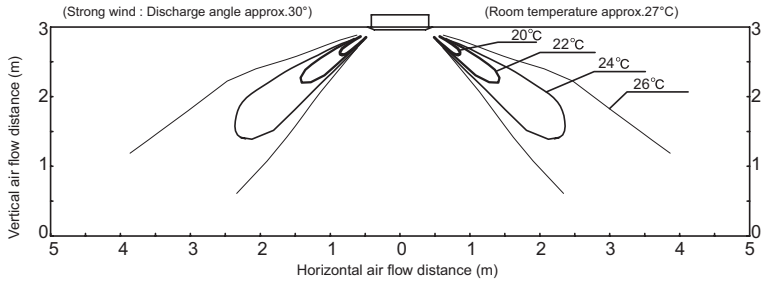
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



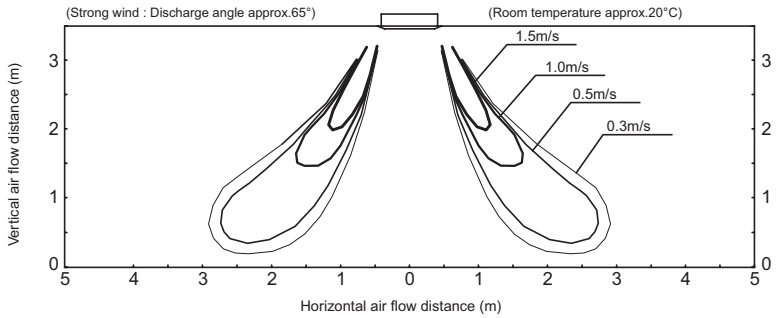
Cooling : Distribution of temperature



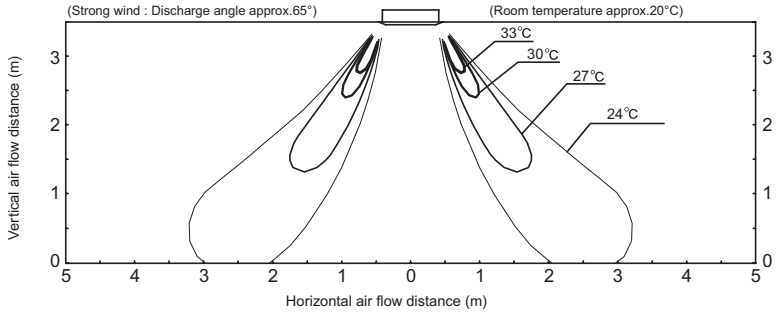
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S-100PU1E5 / 125PU1E5 / 140PU1E5

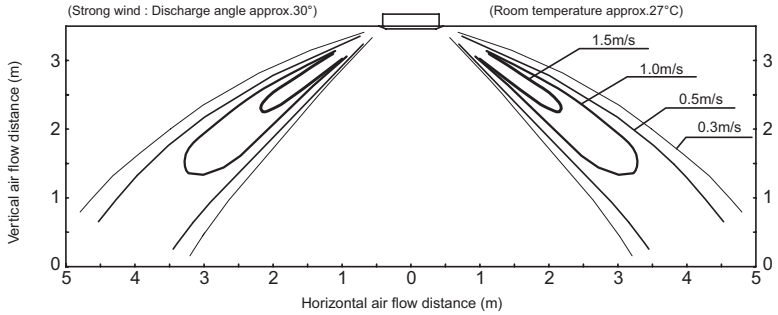
Heating : Distribution of wind velocity



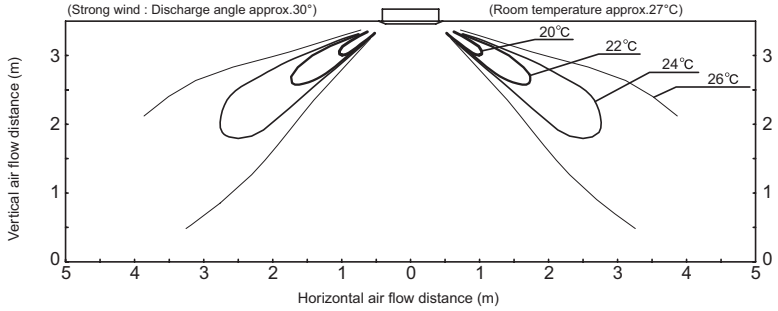
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



Cooling : Distribution of temperature



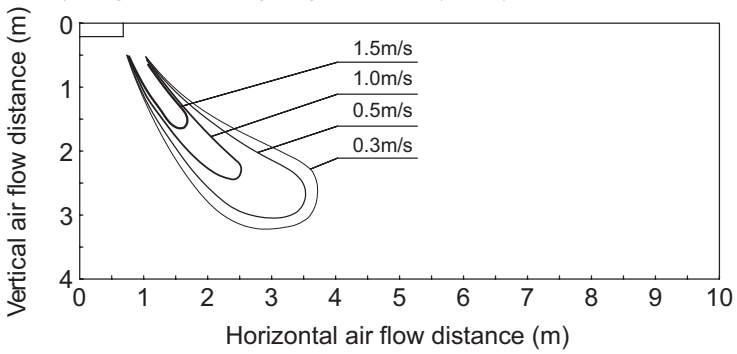
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Ceiling Type (T2 Type)

S-36PT2E5 / 45PT2E5 / 50PT2E5

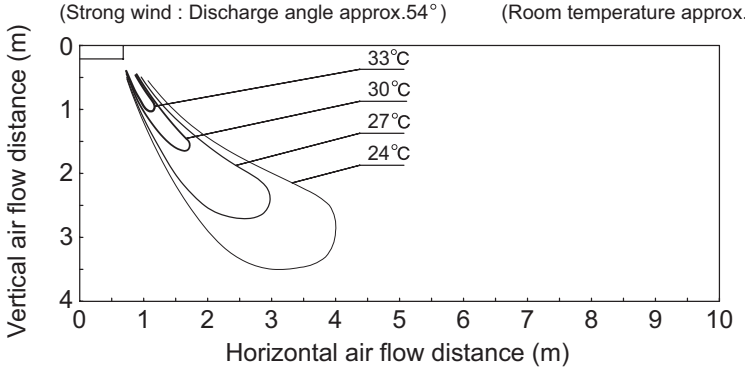
Heating : Distribution of wind velocity

(Strong wind : Discharge angle approx.54°) (Room temperature approx.20℃)



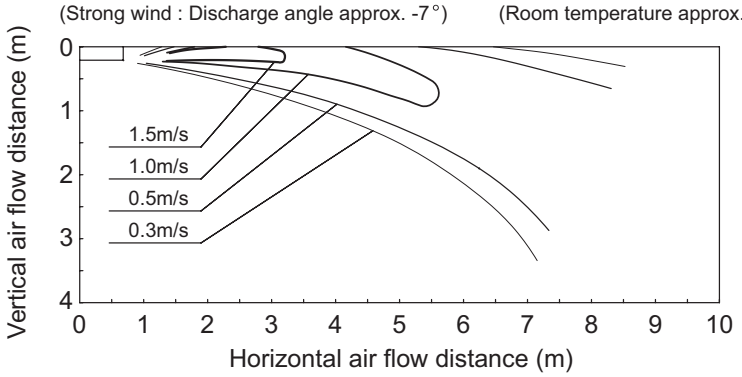
Heating : Distribution of temperature

(Strong wind : Discharge angle approx.54°) (Room temperature approx.20℃)



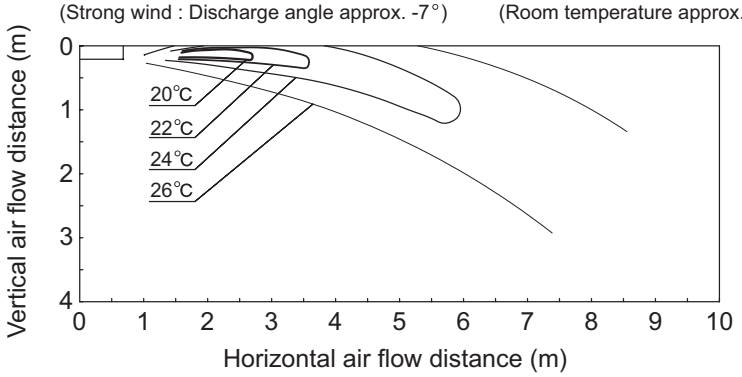
Cooling : Distribution of wind velocity

(Strong wind : Discharge angle approx. -7°) (Room temperature approx.27℃)



Cooling : Distribution of temperature

(Strong wind : Discharge angle approx. -7°) (Room temperature approx.27℃)

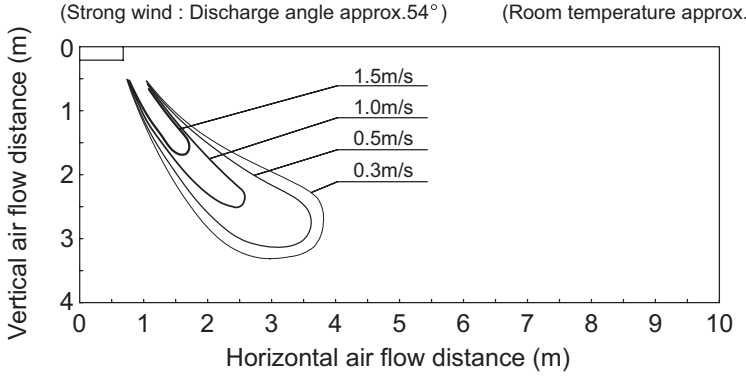


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S-60PT2E5 / 71PT2E5

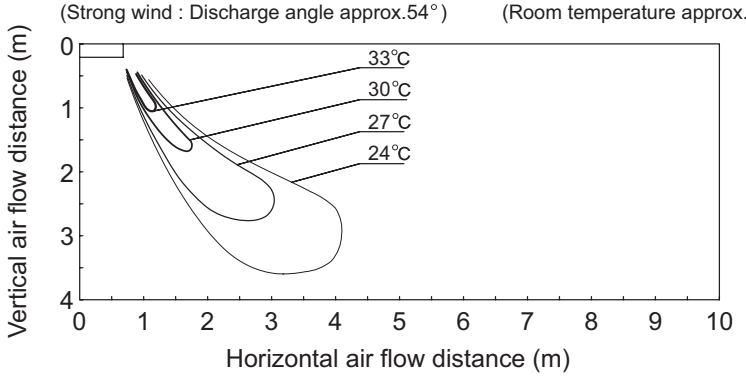
Heating : Distribution of wind velocity

(Strong wind : Discharge angle approx.54°) (Room temperature approx.20℃)



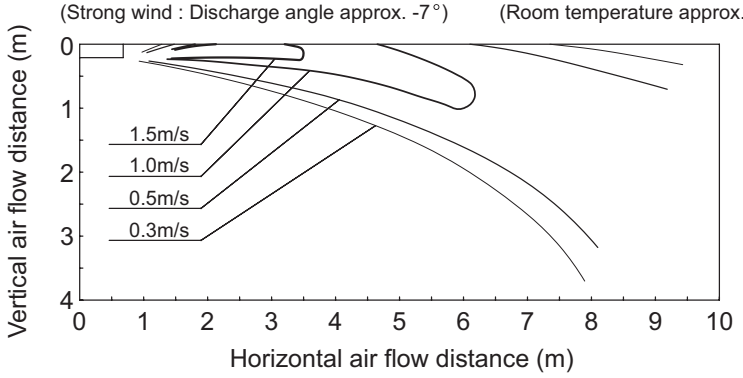
Heating : Distribution of temperature

(Strong wind : Discharge angle approx.54°) (Room temperature approx.20℃)



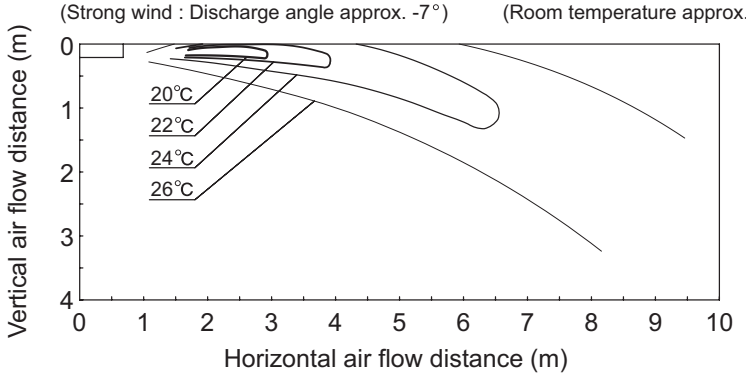
Cooling : Distribution of wind velocity

(Strong wind : Discharge angle approx. -7°) (Room temperature approx.27 ℃)



Cooling : Distribution of temperature

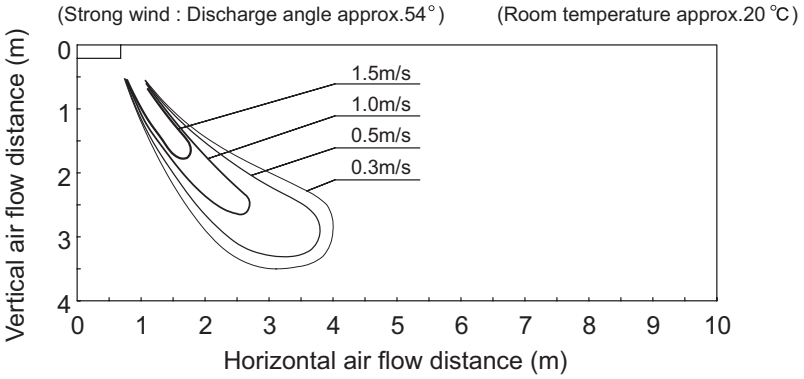
(Strong wind : Discharge angle approx. -7°) (Room temperature approx.27℃)



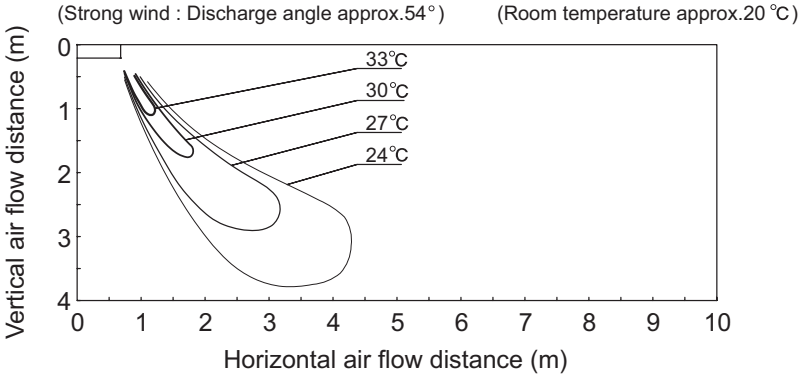
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S-100PT2E5 / 125PT2E5 / 140PT2E5

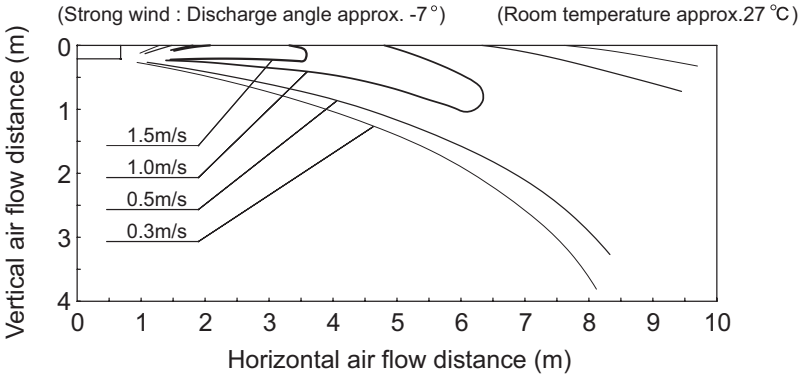
Heating : Distribution of wind velocity



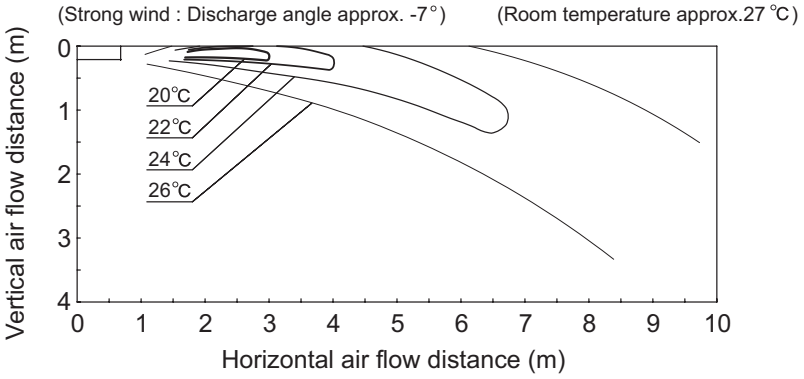
Heating : Distribution of temperature



Cooling : Distribution of wind velocity



Cooling : Distribution of temperature



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1-9. Intaking Fresh Air of 4-Way cassette Type

● Precautions Regarding External Air Intake

(1) Ventilation Load

Ensure that the design of the air-conditioner takes air-conditioning loads into consideration when external air intake is involved.

(2) Restrictions on External Air Intake

Ensure that the design conforms to the restrictions on air intake volume stipulated in accordance with the model of the indoor unit and the intake method. Consideration must also be taken to mixed air content listed in (3) below without fail.

* If the air intake volume does not satisfy the required ventilation volume, air must be fed into the room separately with the use of a total heat exchanger or a fresh air processing air-conditioner, etc.

(3) Mixed Air

The amount of external air intake must be set within the scope of the unit's usage conditions when external air and internal air is mixed together. This is especially important in the following cases, in which it is necessary to either feed external air into the room after it has been processed or reduce the amount of external air that is fed in.

① When the external dew-point temperature is greater than the dry-bulb temperature of the air sucked into the unit.
Ensure that processing is performed so that the external dew-point temperature is lower than the temperature of the air sucked into the unit to prevent the risk of condensation building up.

② In the case of low external temperatures.
There are cases in which the temperature of mixed air is lower than the operating range of the unit if excessive amounts of external air intake are used when the external temperature is low. This problem is to be solved by either feeding external air into the room after it has been processed or reducing the amount of external air that is fed in.

③ When used in combination with humidifiers
External air must always be processed when the external air temperature reaches freezing point to prevent the risk of the humidifier freezing.

(4) Arranging Ducts and Filters in the Field

External air intake ducting must be arranged in the field. External air filters must also be installed without fail in order to prevent the intake of dust and grit.

(5) Thermal Insulation for Ducts

Ensure that all external air intake ducting is heat-insulated without fail. Failure to observe this may result in the build-up of condensation.

(6) External Air Intake Coupling

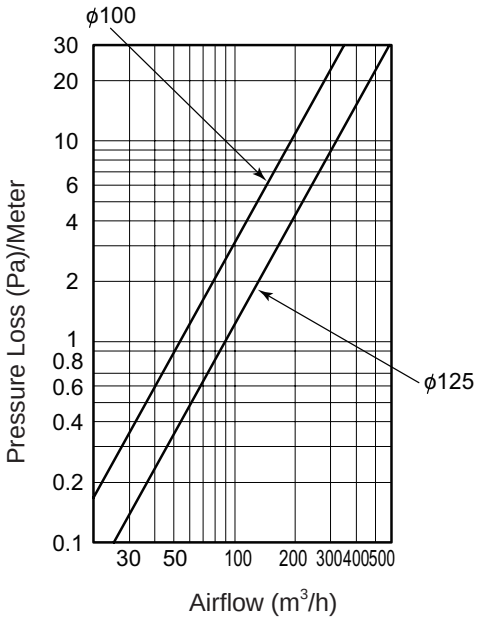
Ensure that the design for external air intake is coupled with the fan blower operations of the indoor unit. There are cases in which the dust that accumulates in the filter is blown into the room if the external air is fed from the filter. There are also cases in which the noise of external air being fed into the room can be heard from the indoor unit if external air is forcibly fed when the booster fan or other components on the indoor unit are not operating.

(7) Booster Fan Selection

Select the booster fan in accordance with the resistance of the external air intake duct (diagram on the pressure loss characteristics of the air flow volume for flexible cylindrical ducts) and the resistance prevalent inside the unit (volume of external air fed and the resistance within the unit).

(8) Attaching the External Air Intake Flange

Flexible Cylindrical Duct



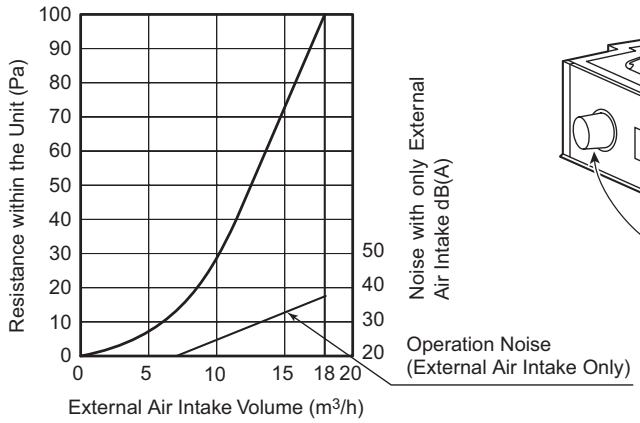
Air Flow Volume for Flexible Cylindrical Duct-Pressure Loss

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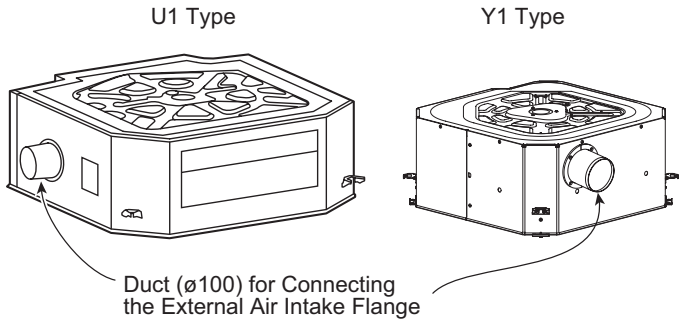
- **U1, Y1 Types**

When an External Air Intake Flange (ø100) is in Use

External Air Intake Volume and Resistance and Operation Noise Characteristics within the Unit



With the External Air Intake Flange Attached



- Calculate the operation noise when external air is being fed by combining the noise when only external air is being fed as shown in the graph for operation noise characteristics and the operation noise of the unit as stipulated in the catalogue.
- The operation noise conforms to JIS standards and constitute measurements taken in an anechoic chamber 1.5 m directly beneath the indoor unit. Under normal circumstances, the values shown here are greater owing to the effects of surrounding noise and reverberation when the unit is actually installed.

The amount of external air that is possible to feed when it is fed directly into the unit (ø100)

Type	36	45	50	60	71	100	125	140
Permissible Air Intake Volume (m^3/h)	13	15	15	17	18	18	18	18

NOTE

The operation noise for models that use small units is lower, so use values that are within the range shown in the above table. Using values that exceed these will result in noise when only external air is fed being louder than the noise emitted from the unit.

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1-10. Electrical Wiring

■ General Precautions on Wiring

(1) Before wiring, confirm the rated voltage of the unit as shown on its nameplate, then carry out the wiring closely following the wiring diagram.

(2) Provide a power outlet to be used exclusively for each unit and a circuit breaker for overcurrent protection should be provided in the exclusive line.

(3) To prevent possible hazards from insulation failure, the unit must be grounded.

(4) Each wiring connection must be done in accordance with the wiring system diagram. Wrong wiring may cause the unit to misoperate or become damaged.

(5) Do not allow wiring to touch the refrigerant tubing, compressor, or any moving parts of the fan.

(6) Unauthorized changes in the internal wiring can be very dangerous. The manufacturer will accept no responsibility for any damage or misoperation that occurs as a result of such unauthorized changes.

(7) Regulations on wire diameters differ from locality to locality. For field wiring rules, please refer to your LOCAL ELECTRICAL CODES before beginning.
You must ensure that installation complies with all relevant rules and regulations.

(8) To prevent malfunction of the air conditioner caused by electrical noise, care must be taken when wiring as follows:

- The remote control wiring and the inter-unit control wiring should be wired apart from the inter-unit power wiring.
- Use shielded wires for inter-unit control wiring between units and ground the shield on both sides.

(9) If the power supply cord of this appliance is damaged, it must be replaced by a repair shop designated by the manufacturer, because special-purpose tools are required.

CAUTION **Check local electrical codes and regulations before wiring.**
Also, check any specified instruction or limitations.

■ Recommended Wire Length and Wire Diameter for Power Supply System

Indoor unit

Type	(B) Power supply 2.5 mm²	Time delay fuse or circuit capacity
U1	Max. 130 m	10-16 A

Indoor unit

Type	(B) Power supply 2.5 mm²	Time delay fuse or circuit capacity
K1	Max.150 m	10A
Y1, T1, F1	Max.130 m	10A
T2, N1	Max.130 m	10-16A

Control wiring

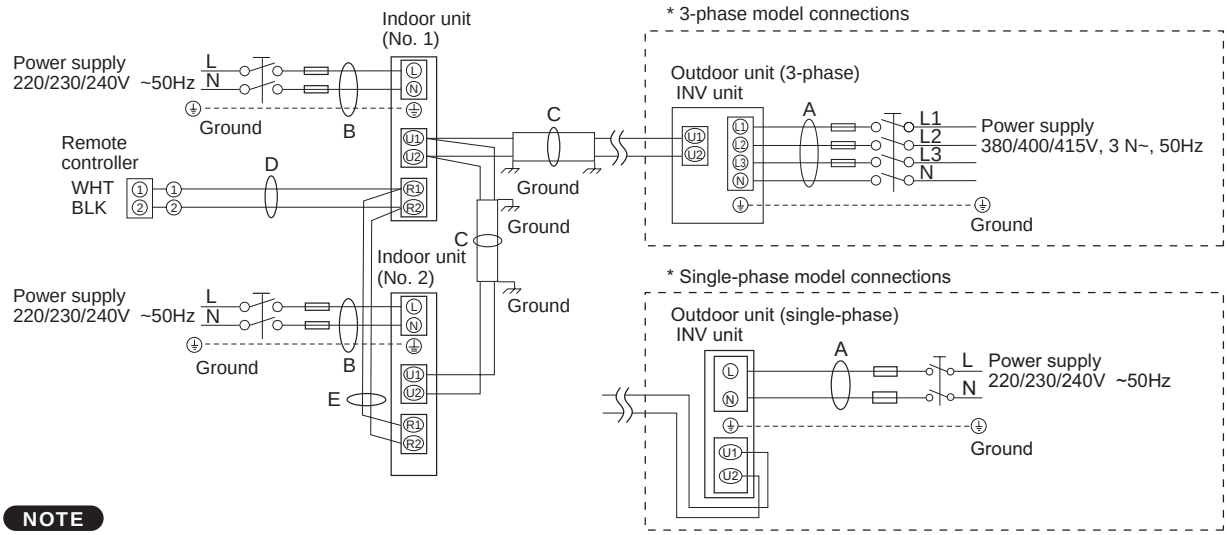
(C) Inter-unit (between outdoor and indoor units) control wiring	(D) Remote control wiring	(E) Control wiring for group control
0.75 mm² (AWG #18) **Use shielded wiring***	0.75 mm² (AWG #18)	0.75 mm² (AWG #18)
Max. 1,000 m	Max. 500 m	Max. 200 m (Total) Y1 Type : Max. 500 m (Total)

NOTE

* With ring-type wire terminal.

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■ Wiring System Diagrams



NOTE

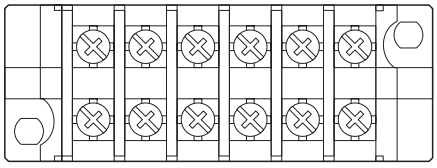
(1) Refer to “Recommended Wire Length and Wire Diameter for Power Supply System” for the explanation of “A”, “B”, “C”, “D” and “E” in the above diagram.

(2) The basic connection diagram of the indoor unit shows the terminal boards, so the terminal boards in your equipment may differ from the diagram.

(3) Refrigerant Circuit (R.C.) address should be set before turning the power on.

(4) Regarding R.C. address setting, refer to the installation instructions supplied with the remote controller (optional). Auto address setting can be executed by remote controller automatically. Refer to the installation instructions supplied with the remote controller (optional).

6P terminal board

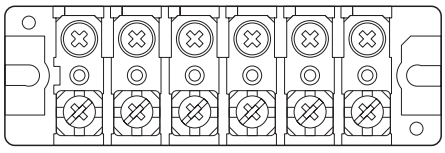


L N U1 U2 R1 R2

Power supply | Unit control line | Remote control line

U1 Type

6P terminal board

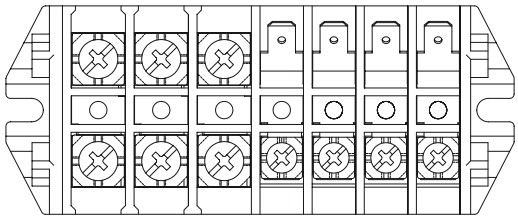


L N U1 U2 R1 R2

Power supply | Unit control line | Remote control line

Y1 Type

7P terminal board

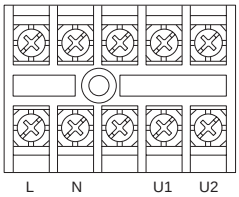


L N U1 U2 R1 R2

Power supply | Unit control wiring | Remote controller line

T1 Type

5P terminal board

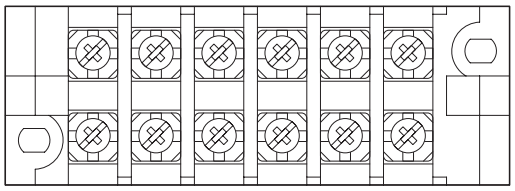


L N U1 U2

Power supply | Unit control line

K1 Type

6P terminal board

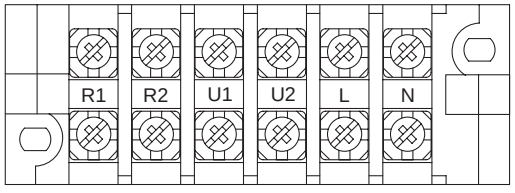


L N U1 U2 R1 R2

Power supply | Unit control line | Remote control line

T2, F1 Type

6P terminal board



R1 R2 U1 U2 L N

Remote control line | Unit control line | Power supply

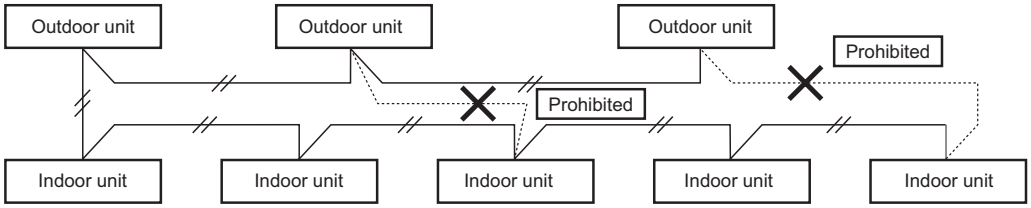
N1 Type

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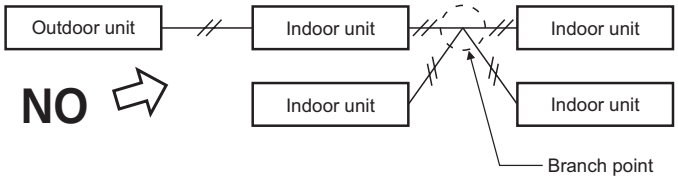
CAUTION

(1) When linking the outdoor units in a network, disconnect the terminal extended from the short plug from all outdoor units except any one of the outdoor units.
(When shipping: In shorted condition.)
For a system without link (no wiring connection between outdoor units), do not remove the short plug.

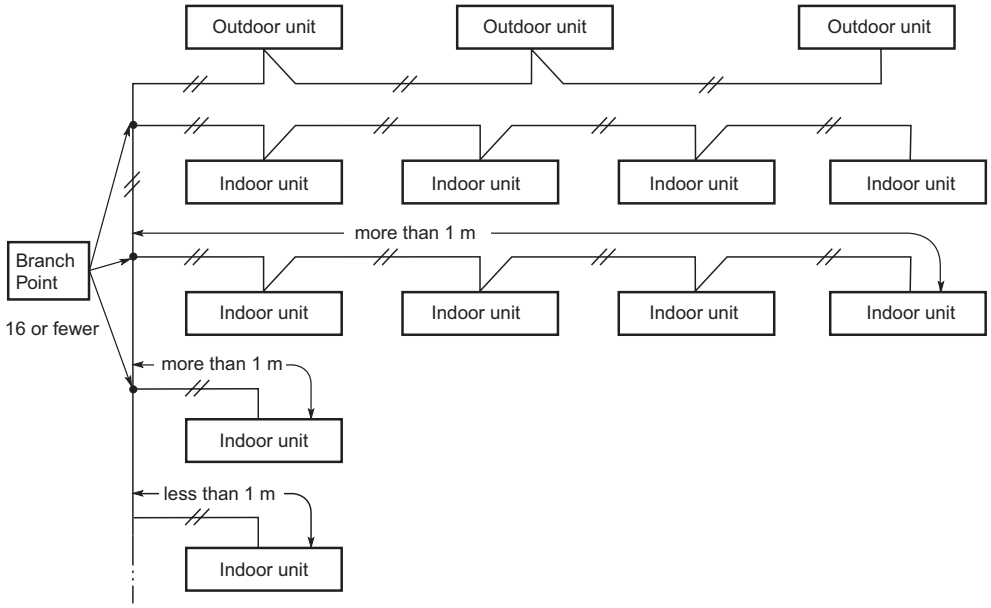
(2) Do not install the inter-unit control wiring in a way that forms a loop.



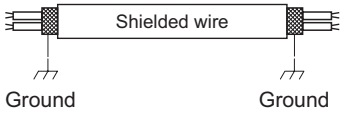
(3) Do not install inter-unit control wiring such as star branch wiring. Star branch wiring causes mis-address setting.



(4) If branching the inter-unit control wiring, the number of branch points should be 16 or fewer.
(Branches that are less than 1 m are not included in the total branch number.)



(5) Use shielded wires for inter-unit control wiring (c) and ground the shield on both sides, otherwise misoperation from noise may occur.
Connect wiring as shown in Section "■ Wiring System Diagrams".



(6) ・ Connecting cable between indoor unit and outdoor unit shall be approved polychloroprene sheathed 5 or 3 *1.5 mm² flexible cord. Type designation 60245 IEC 57 (H05RN-F, GP85PCP etc.) or heavier cord.
・ Use the standard power supply cables for Europe (such as H05RN-F or H07RN-F which conform to CENELEC (HAR) rating specifications) or use the cables based on IEC standard. (60245 IEC57, 60245 IEC66)

WARNING

Loose wiring may cause the terminal to overheat or result in unit malfunction. A fire hazard may also occur. Therefore, ensure that all wiring is tightly connected.
When connecting each power wire to the terminal, follow the instructions on "How to connect wiring to the terminal" and fasten the wire securely with the terminal screw.

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How to connect wiring to the terminal

■ For stranded wiring

(1) Cut the wire end with cutting pliers, then strip the insulation to expose the stranded wiring about 10 mm and tightly twist the wire ends. (Fig. 1-1)

(2) Using a Phillips head screwdriver, remove the terminal screw(s) on the terminal plate.

(3) Using a ring connector fastener or pliers, securely clamp each stripped wire end with a ring pressure terminal.

(4) Place the ring pressure terminal, and replace and tighten the removed terminal screw using a screwdriver. (Fig. 1-2)

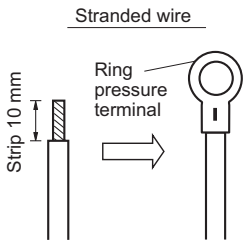


Fig. 1-1

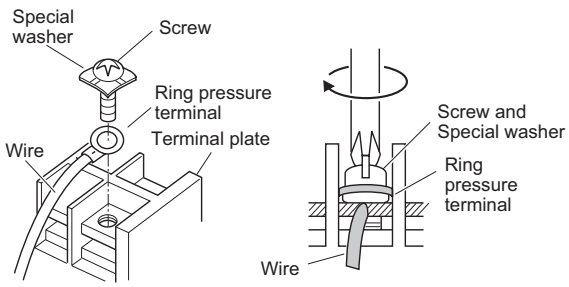


Fig. 1-2

■ Examples of shield wires

(1) Remove cable coat not to scratch braided shield. (Fig. 1-3)

(2) Unbraid the braided shield carefully and twist the unbraided shield wires tightly together. Insulate the shield wires by covering them with an insulation tube or wrapping insulation tape around them. (Fig. 1-4)

(3) Remove coat of signal wire. (Fig. 1-5)

(4) Attach ring pressure terminals to the signal wires and the shield wires insulated in Step (2). (Fig. 1-6)

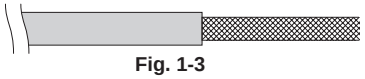


Fig. 1-3

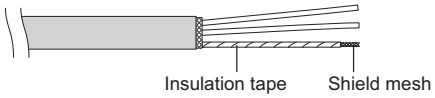


Fig. 1-4

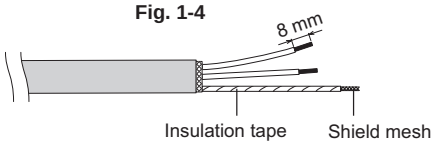


Fig. 1-5

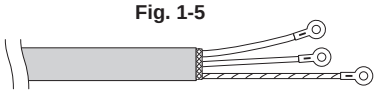
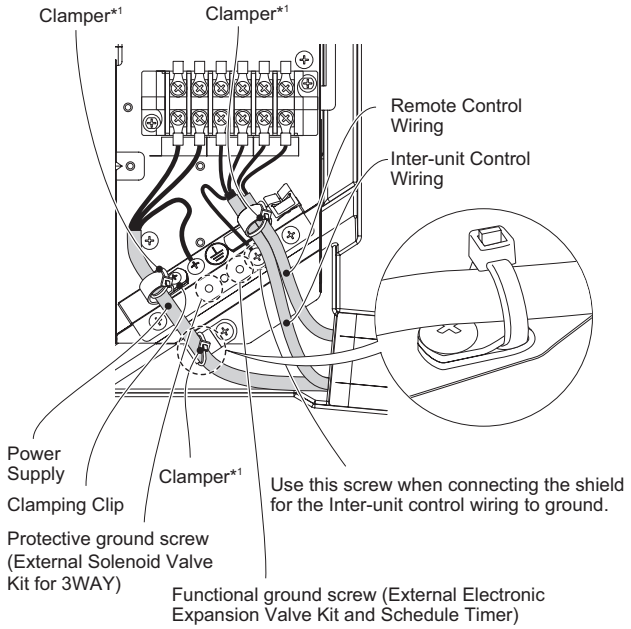


Fig. 1-6

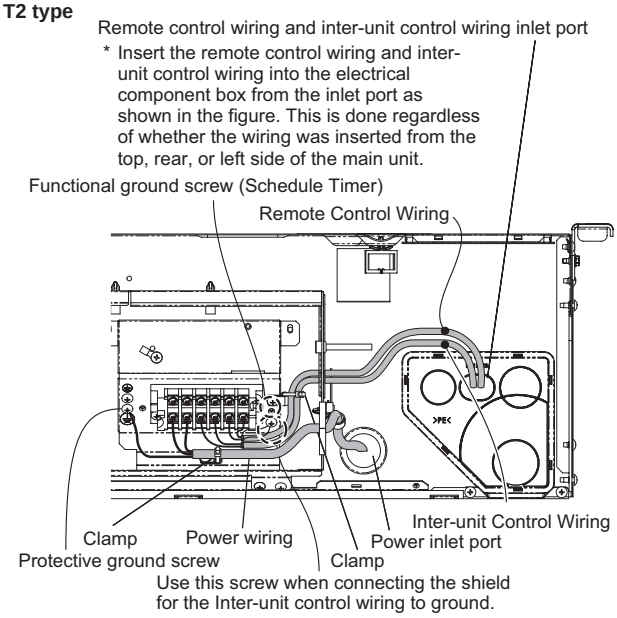
■ Wiring samples

U1 type



*1 Fasten tightly.

T2 type



How to carry out power supply wiring

(1) Wiring connection ports

The power inlet port is located at the rear.
The remote control wiring inlet port is located at the rear (for use with the wired remote controller).

(2) How to carry out wiring

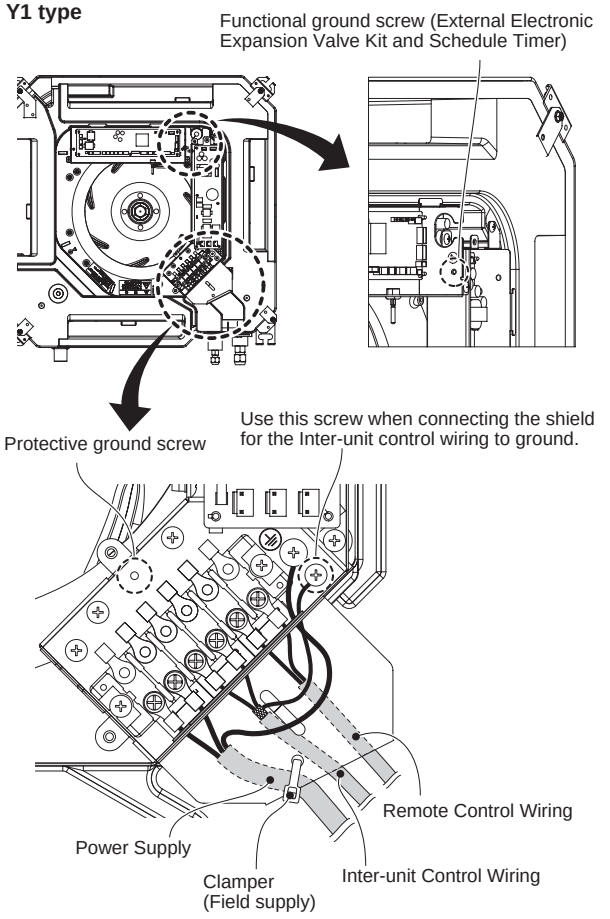
- Insert the power wiring into the indoor unit through the rubber at the side of the electrical component box.
- For wiring connection to the outdoor unit and remote control wiring, open the elongated hole of the piping cover and pass the wires through the hole.

NOTE Be sure to use sealing putty to seal off the opening to prevent dust.

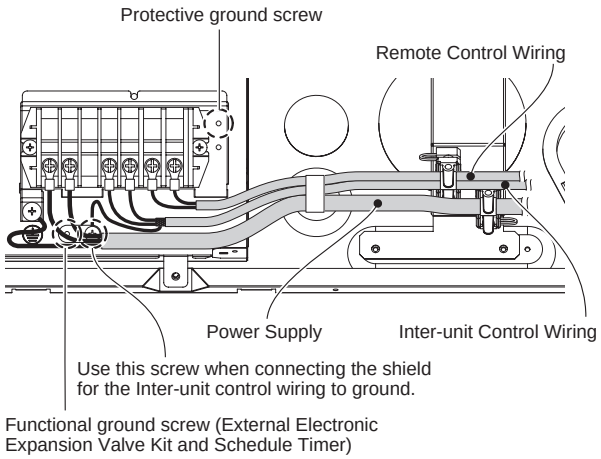
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■ Wiring samples

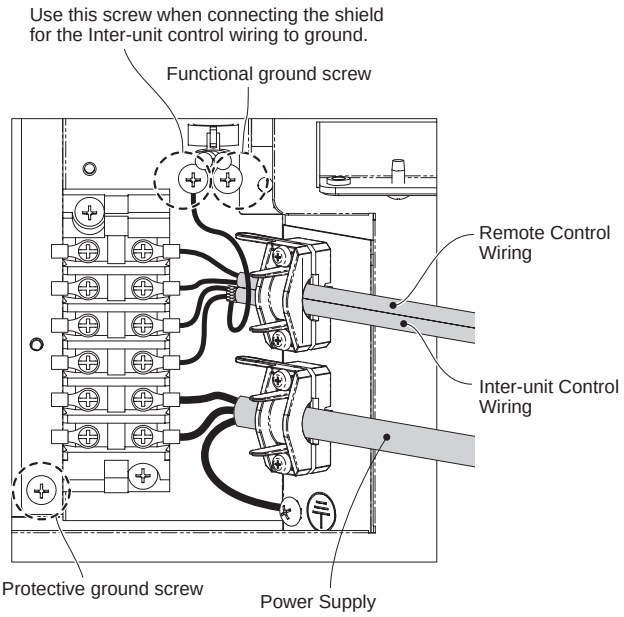
Y1 type



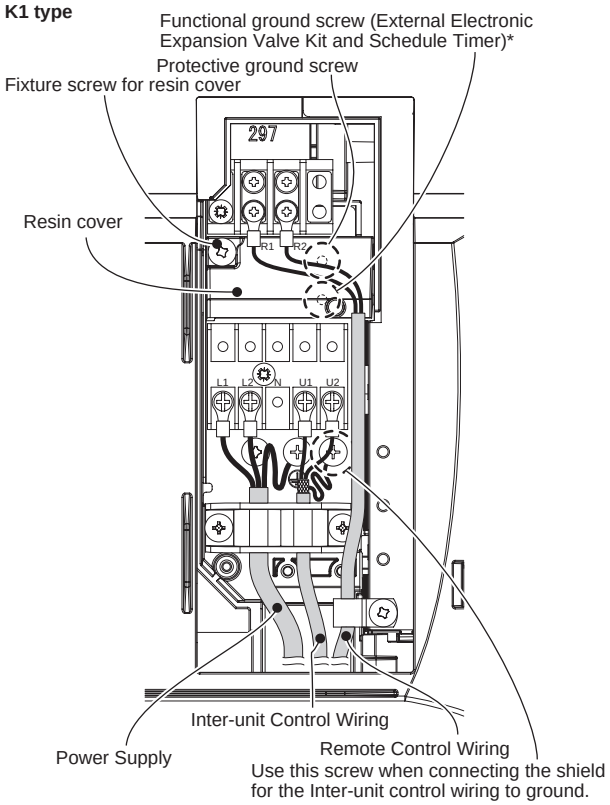
T1 type



F1 type

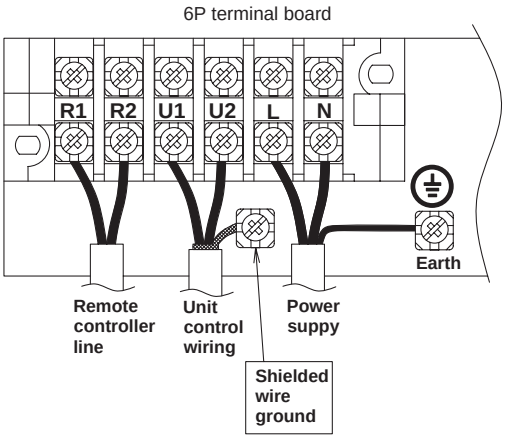


K1 type



* As to functional ground screw and protective ground screw, remove the fixture screw and resin cover. Then, carry out earth ground work.

N1 type



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1-11. Installation instructions

■ U-50PE1E5, U-60PEY1E5, U-71PEYE5

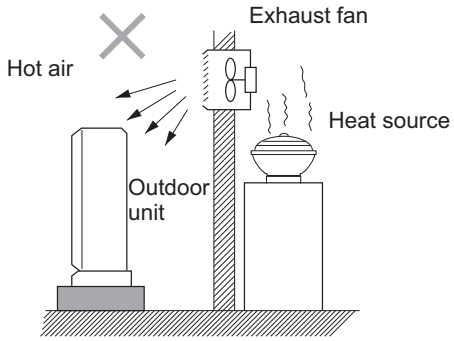
ACCESSORIES SUPPLIED WITH OUTDOOR UNIT

Part Name	Figure	Q'ty	Remarks	Part Name	Figure	Q'ty	Remarks
Operating Instructions		1	A5-size	Installation Instructions		1	Included this instructions

SELECTING THE INSTALLATION SITE

AVOID:

- heat sources and exhaust fans, etc.
- damp, humid or uneven locations.



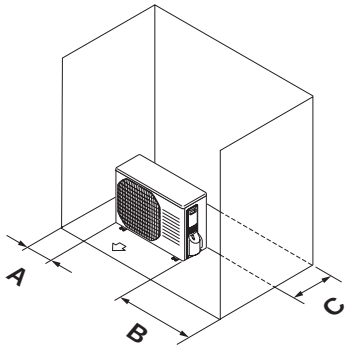
DO:

- choose a place as cool as possible.
- choose a place that is well ventilated and outside air temperature does not exceed maximum 45°C constantly.
- allow enough room around the unit for air intake/exhaust and possible maintenance.
- use lug bolts or equal to bolt down unit, reducing vibration and noise.
- If cooling operation is to be used when the outdoor air temperature is –5°C or below, install a duct on the outdoor unit.

Installation space for outdoor unit (single-phase)

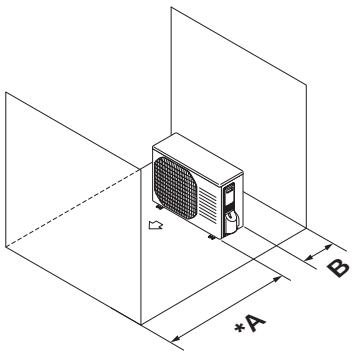
Install the outdoor unit with a sufficient space around the outdoor unit for operation and maintenance.

(1) Obstructions on the left side, right side and rear side (Front side and above the unit are opened).



A	B	C
5 cm or more	25 cm or more	5 cm or more

(2) Obstructions on the front side and rear side (Left side, right side and above the unit are opened).

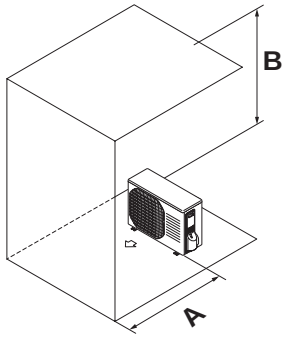


A	B
50 cm or more	5 cm or more

* For compressor replacement, 50 cm or more is required on the front side even when using the air discharge chamber. If the height of the obstruction is above 2 m, over 1 m of space is required.

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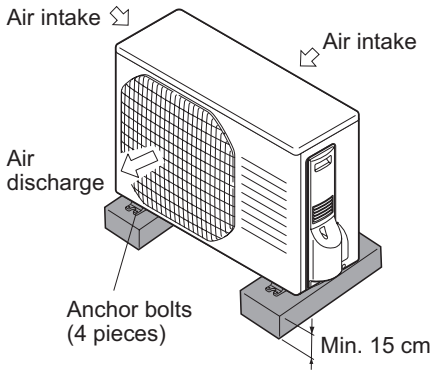
(3) Obstructions on the front side and above the unit (Left side, right side and rear side are opened).



A	B
50 cm or more	30 cm or more

In case of multiple installations

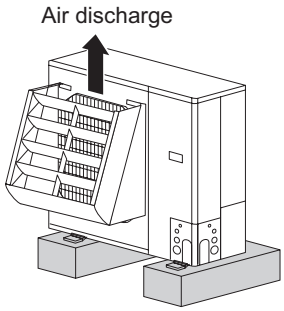
- Provide a solid base (concrete block, 10 × 40 cm beams or equal), a minimum of 15 cm above ground level to reduce humidity and protect the unit against possible water damage and decreased service life.
- Use lug bolts or equal to bolt down unit, reducing vibration and noise.



Air Discharge Chamber for Top Discharge

Be sure to install the air discharge chamber in the field when:

- it is difficult to keep a space of min. 50 cm between the air discharge outlet and an obstacle.
- the air discharge outlet is facing a sidewalk and discharged hot air annoys passers-by.



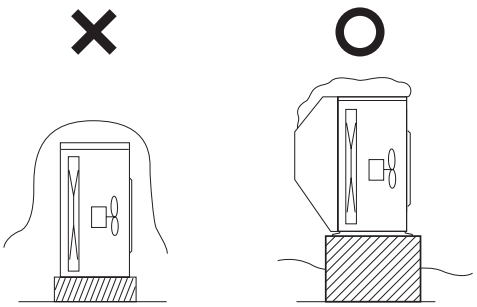
Installing the Unit in Heavy Snow Areas

In locations with strong wind, snow-proof ducting should likewise be fitted and direct exposure to the wind should be avoided as much as possible.

■ Countermeasures against snow and wind

In regions with snow and strong wind, the following problems may occur when the outdoor unit is not provided with a platform and snow-proof ducting:

a) The outdoor fan may not run and damage of the unit may be caused.
b) There may be no airflow.
c) The tubing may freeze and burst.
d) The condenser pressure may drop because of strong wind, and the indoor unit may freeze.



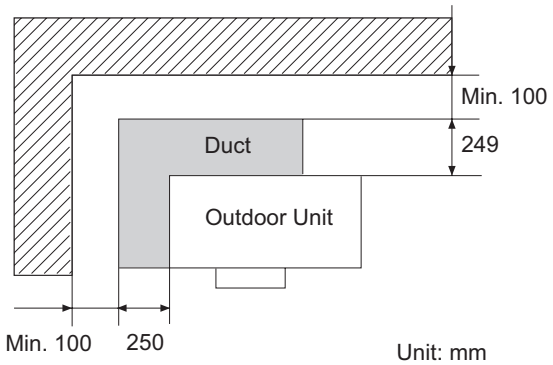
In regions with significant snowfall, the outdoor unit should be provided with a platform and snow-proof duct.

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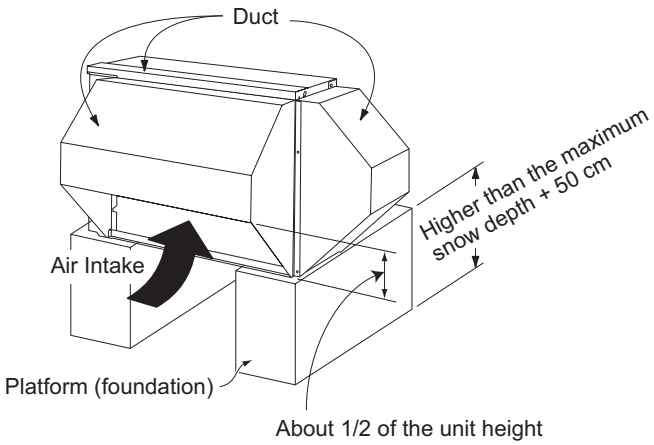
Precautions for Installation in Heavy Snow Areas

(1) The platform should be higher than the maximum snow depth +50 cm.
(2) The 2 anchoring feet of the outdoor unit should be used for the platform, and the platform should be installed beneath the air intake side of outdoor unit.
(3) The platform foundation must be firm and the unit must be secured with anchor bolts.
(4) In case of installation on a roof subject to strong wind, countermeasures must be taken to prevent the unit from being blown over.

Dimensions of Snow / Wind-proof Ducting and Refrigerant Tubing Space for Installation



Unit: mm



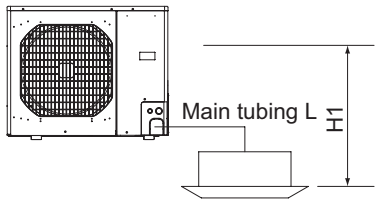
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Tubing Size

(A) Single type

- Refrigerant tubing between the indoor and outdoor units should be kept as short as possible.
- The lengths of the refrigerant tubes between the indoor and outdoor units are limited by the elevation difference between the 2 units. During tubing work, try to make both the tubing length (L) and the difference in elevation (H1) as short as possible.

Single



Outdoor unit type	U-50PE1E5	U-60PEY1E5 U-71PEY1E5
Maximum allowable tubing length	40 m	50 m
Charge-less tubing length (actual length)	3 – 30 m	3 – 20 m
Additional charge per 1 m	20 g	40 g

(B) Simultaneous operation multi (Twin)

NOTE

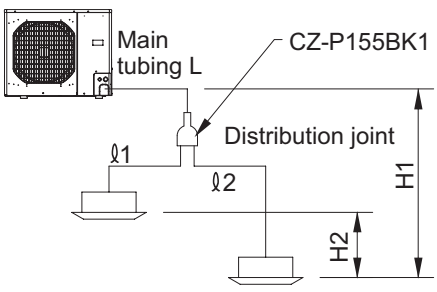
Because the indoor units run simultaneously, install them within the same room.

Table 1-1

Item		Contents	Symbol		Actual length (m)		
			Single	Twin	50	60 – 71 single	71 twin
Allowable tubing lengths	Maximum allowable tubing length	One-way length of tubing from outdoor unit to the most distant indoor unit	L	L + ℓ1 L + ℓ2	≤40	≤50	≤40
	Maximum distribution tubing length	Maximum length following the first branch point (No. 1 distribution)	–	ℓ1, ℓ2	–	–	≤15
Maximum branch tubing length		Difference between the maximum length and minimum length in tubing following the first branch point	–	ℓ1 > ℓ2 ℓ1 – ℓ2	–	–	≤10
Maximum difference between lengths of No. 1 distribution tubing (double twin)			–	–	–	–	–
Maximum difference between lengths of No. 2 distribution tubing (double twin)			–	–	–	–	–
Maximum allowable height difference	Maximum indoor-outdoor height difference	If outdoor unit is higher	H1		≤30	≤30	≤30
		If outdoor unit is lower			≤15	≤15	≤15
	Maximum height difference between indoor units		–	H2	–	–	≤0.5

* For connection tubing sizes, refer to Table above.

Twin



NOTE

- For refrigerant tube branches, use the optional distribution joints.
- For cautions on the use of the optional distribution joints, be sure to refer to the provided instruction sheet.
  Also, be careful to install them in the correct direction (orientation).

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Table 1-2 Tubing Data for Models (Single, Twin)

Tubing Data \ Models			U-50PE1E5	U-60PEY1E5 U-71PEY1E5
Tubing size outer diameter	Liquid tube	mm (in.)	6.35 (1/4)	9.52 (3/8)
	Gas tube	mm (in.)	12.7 (1/2)	15.88 (5/8)
Limit of tubing length		(m)	40	50 *3
Limit of elevation difference between the 2 units	Outdoor unit is placed higher	(m)	30	30
	Outdoor unit is placed lower	(m)	15	15
Max. allowable tubing length at shipment		(m)	3 – 30	3 – 20
Required additional refrigerant		(g/m)	20 *2	40 *1
Refrigerant charged at shipment		(kg)	1.65	1.7

No additional charge of compressor oil is necessary.
*1 If total tubing length becomes 20 to 50 m, charge additional refrigerant by 40 g/m.
*2 If total tubing length becomes 30 to 40 m, charge additional refrigerant by 20 g/m.
*3 In case of single connection, limit of tubing length is 50 m.
In case of twin connection, limit of tubing length is 40 m.

Table 1-3 Connection Tube Sizes

	Main tubing (L)	Indoor unit connection tube (ℓ1, ℓ2)	
Type capacity of indoor unit	71	71	36
Gas tube	ø15.88	ø15.88	ø12.7
Liquid tube	ø9.52	ø9.52	ø6.35
Amount of additional charge per 1 m	40 g	40 g	20 g

Charge with the amount of additional refrigerant calculated using the formula below, based on the values in Table 1-3 and the size and length of the liquid tubing.

Amount of additional refrigerant charge (g)

Do not remove refrigerant from the system, even if the result of the calculation is negative.

Additional refrigerant amount (g) = Additional refrigerant for main tubing (g) + Additional refrigerant for distribution tubing (g) – Outdoor unit charge-less refrigerant amount (g)
= 40 × (a) + 20 × (b) – 400*1 (60 – 71 types)
*1 50 Type of outdoor unit is 600 g.
*1 In case of twin connection, 71 type of outdoor unit is 400 g.

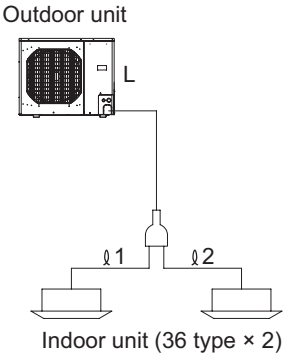
(Use with the current refrigerant charge.)
(a) Actual length (m) of main tubing (ø9.52) — Refrigerant charge per 1 m of actual length = 40 g/m (60 – 71 types)
(b) Total length of distribution tubing (ø6.35) — Refrigerant charge per 1 m of actual length = 20 g/m

Example

- Sample tubing lengths
  L = 25 m ℓ1 = 5 m
  ℓ2 = 10 m
- Find the liquid tube size from Table 1-3.
  L : ø9.52 (71 type)
  ℓ1 – ℓ2 : ø6.35
- The amount of additional on-site refrigerant charge is found by subtracting the outdoor unit charge-less refrigerant amount from the total charge amount for all tube sizes.

ø9.52 → L	: 25 m	× 40 g / m	=	1000
ø6.35 → ℓ1 – ℓ2	: (5 + 10) m	× 20 g / m	=	300
Outdoor unit charge-less refrigerant amount				–400
		Total		+900

- The amount of additional on-site refrigerant charge is 900 g.



Note: For type 50, the additional refrigerant charge for tubing length (c) of 30 to 40 m is the following:
Additional refrigerant amount (g) = 20 × (c) – 600

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CAUTION

1. **This unit requires no additional refrigerant charge up to tubing length 20 m (50 type: 30 m). In case of more than 20 m (50 type: 30 m), additional refrigerant charge is required.**
2. **In case of multi type installation, indoor units should be installed within the same room. If multi type indoor units are installed in different rooms, temperature control may develop problems because thermostat operation must follow the thermostat condition of 1 indoor unit only (the main unit).**

WARNING

Always check the gas density for the room in which the unit is installed.

■ Check of limit density

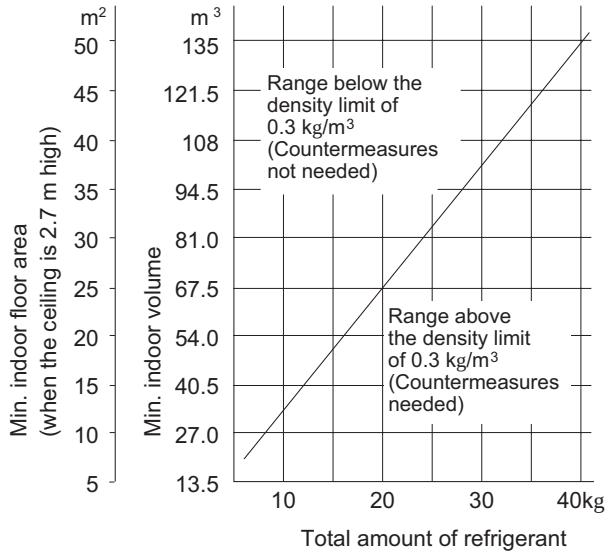
When installing an air conditioner in a room, it is necessary to ensure that even if the refrigerant gas accidentally escapes, its density does not exceed the limit level.
If the density might exceed the limit level, it is necessary to set up an opening between it and the adjacent room, or to install mechanical ventilation which is interlocked with the leak detector.

$$\frac{\text{(Total refrigerant charged amount: kg)}}{\text{(Min. indoor volume where indoor unit is installed: m}^3\text{)}} \leq \text{Limit density 0.3 (kg/m}^3\text{)}$$

The limit density of refrigerant which is used in this unit is 0.3 kg/m^3 (ISO 5149).

The shipped outdoor unit comes charged with the amount of refrigerant fixed for each type, so add it to the amount that is charged at the field. (Refer to the unit's nameplate for the amount of charged refrigerant at shipment.)

Minimum indoor volume & floor area relative to the amount of refrigerant are roughly as given in the following table.



CAUTION

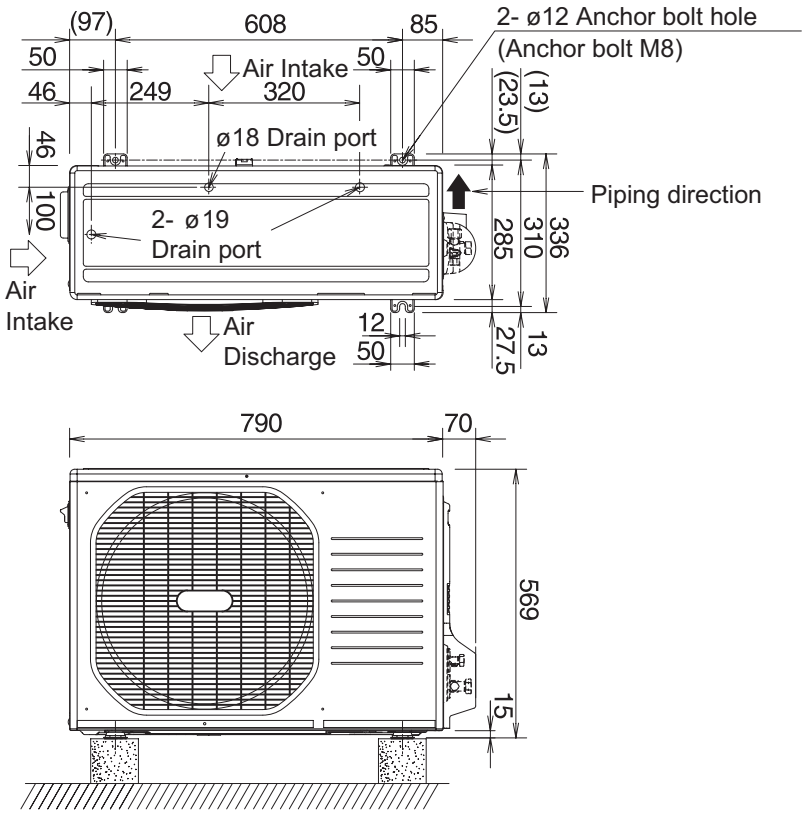
Pay special attention to any location, such as a basement or recessed area, etc. where leaked refrigerant can collect, since refrigerant gas is heavier than air.

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HOW TO INSTALL THE OUTDOOR UNIT

Installing the Outdoor Unit

- Use concrete or a similar material to make the base, and ensure good drainage.
- Ordinarily, ensure a base height of 5 cm or more.
  If a drain pipe is used, or for use in cold-weather regions, ensure a height of 15 cm or more at the feet on both sides of the unit.
  (In this case, leave clearance below the unit for the drain pipe, and to prevent freezing of drainage water in cold-weather regions.)
- See the figure shown below for the anchor bolt dimensions.
- Be sure to anchor the feet with anchor bolts (M8). In addition, use anchoring washers on the top side.
  (Use large square 32 × 32 SUS washers with JIS nominal diameter of 8.) (Field supply)



Drainage Work

Follow the procedure below to ensure adequate draining for the outdoor unit.

- For the drain port dimensions
- Ensure a base height of 15 cm or more at the feet on both sides of the unit.
- When using a drain pipe, install the drain socket (optional part STK-DS13U) onto the drain port.
  Seal the other drain port with the rubber cap supplied with the drain socket.

Routing the Tubing and Wiring

CAUTION

- **Route the tubing so that it does not contact the compressor, panel, or other parts inside the unit. Increased noise will result if the tubing contacts these parts.**
- **When routing the tubing, use a tube bender to bend the tubes.**
- **In cold-weather regions, in order to prevent drainage water from freezing, do not install the drain socket cap. Also take steps to prevent water from accumulating around the unit.**

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HOW TO PROCESS TUBING

The liquid tubing side is connected by a flare nut, and the gas tubing side is connected by brazing.

Connecting the Refrigerant Tubing

Use of the Flaring Method

Many of conventional split system air conditioners employ the flaring method to connect refrigerant tubes that run between indoor and outdoor units.
In this method, the copper tubes are flared at each end and connected with flare nuts.

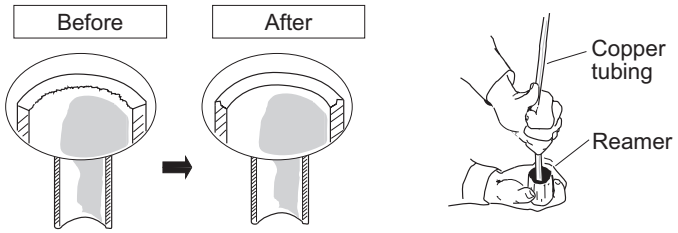
Flaring Procedure with a Flare Tool

Many of conventional split system air conditioners employ the flaring method to connect refrigerant tubes that run between indoor and outdoor units.
In this method, the copper tubes are flared at each end and connected with flare nuts.

(1) Cut the copper tube to the required length with a tube cutter.
It is recommended to cut approx. 30 – 50 cm longer than the tubing length you estimate.

(2) Remove burrs at each end of the copper tubing with a tube reamer or file.
This process is important and should be done carefully to make a good flare.
Be sure to keep any contaminants (moisture, dirt, metal filings, etc.) from entering the tubing.

Deburring

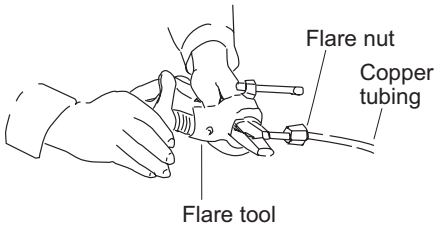


NOTE

When reaming, hold the tube end downward and be sure that no copper scraps fall into the tube.

(3) Remove the flare nut from the unit and be sure to mount it on the copper tube.

(4) Make a flare at the end of the copper tube with a flare tool.

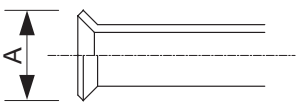


NOTE

A good flare should have the following characteristics:

- inside surface is glossy and smooth
- edge is smooth
- tapered sides are of uniform length

Flare size: A (mm)



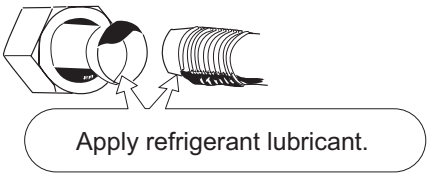
Copper tubing (Outer dia.)	$A^{0}_{-0.4}$
ø6.35	9.1
ø9.52	13.2
ø12.7	16.6
ø15.88	19.7

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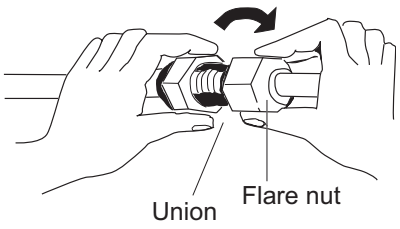
Caution Before Connecting Tubes Tightly

(1) Apply a sealing cap or water-proof tape to prevent dust or water from entering the tubes before they are used.

(2) Be sure to apply refrigerant lubricant to the matching surfaces of the flare and union before connecting them together. This is effective for reducing gas leaks.



(3) For proper connection, align the union tube and flare tube straight with each other, then screw on the flare nut lightly at first to obtain a smooth match.



- Adjust the shape of the liquid tube using a tube bender at the installation site and connect it to the liquid tubing side valve using a flare.

Cautions During Brazing

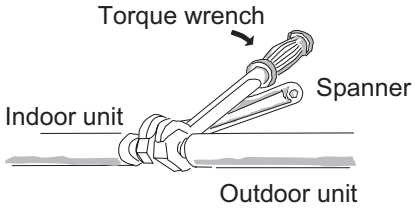
- **Replace air inside the tube with nitrogen gas to prevent copper oxide film from forming during the brazing process. (Oxygen, carbon dioxide and Freon are not acceptable.)**
- **Do not allow the tubing to get too hot during brazing.**
  The nitrogen gas inside the tubing may overheat, causing refrigerant system valves to become damaged. Therefore allow the tubing to cool when brazing.
- **Use a reducing valve for the nitrogen cylinder.**
- **Do not use agents intended to prevent the formation of oxide film.**
  These agents adversely affect the refrigerant and refrigerant oil, and may cause damage or malfunctions.

Connecting Tubing Between Indoor and Outdoor Units

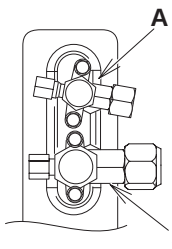
(1) Tightly connect the indoor-side refrigerant tubing extended from the wall with the outdoor-side tubing.

(2) To fasten the flare nuts, apply specified torque.

- When removing the flare nuts from the tubing connections, or when tightening them after connecting the tubing, be sure to use 2 adjustable wrenches or spanners.
  If the flare nuts are over-tightened, the flare may be damaged, which could result in refrigerant leakage and cause injury or asphyxiation to room occupants.



- When removing or tightening the gas tube flare nut, use 2 adjustable wrenches together: one at the gas tube flare nut, and the other at part A.



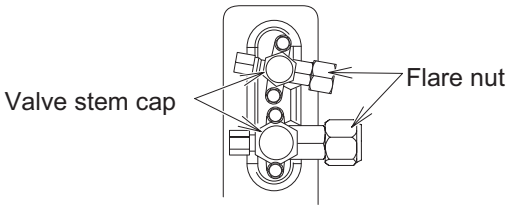
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- For the flare nuts at tubing connections, be sure to use the flare nuts that were supplied with the unit, or else flare nuts for R410A (type 2).
  The refrigerant tubing that is used must be of the correct wall thickness as shown in the table below.

Tube diameter	Tightening torque (approx.)	Tube thickness
ø6.35 (1/4")	14 – 18 N · m {140 – 180 kgf · cm}	0.8 mm
ø9.52 (3/8")	34 – 42 N · m {340 – 420 kgf · cm}	0.8 mm
ø12.7 (1/2")	49 – 55 N · m {490 – 550 kgf · cm}	0.8 mm
ø15.88 (5/8")	68 – 82 N · m {680 – 820 kgf · cm}	1.0 mm

  Because the pressure is approximately 1.6 times higher than conventional refrigerant pressure, the use of ordinary flare nuts (type 1) or thin-walled tubes may result in tube rupture, injury, or asphyxiation caused by refrigerant leakage.

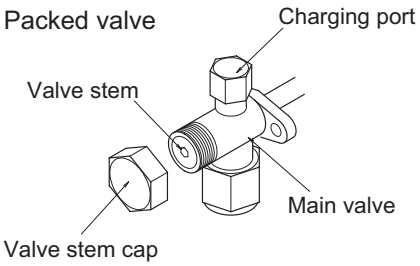
- In order to prevent damage to the flare caused by overtightening of the flare nuts, use the table above as a guide when tightening.
- When tightening the flare nut on the liquid tube, use a adjustable wrench with a nominal handle length of 200 mm.
- When tightening the flare nut with the adjustable wrench, do not apply to the valve stem cap with the other one. If doing so, the valve will be damaged.



- Depending on the installation conditions, applying excessive torque may cause the nuts to crack.

Precautions for Packed Valve Operation

- If the packed valve is left for a long time with the valve stem cap removed, refrigerant will leak from the valve.
  Therefore, do not leave the valve stem cap removed.
- Use a torque wrench to securely tighten the valve stem cap.



- Tightening torque:

		Tightening torque (approx.)
Charging port		10.7 – 14.7 N • m {107 – 147 kgf • cm}
Valve stem cap	ø6.35 (Liquid side)	14.0 – 20.0 N • m {140 – 200 kgf • cm}
	ø9.52 (Liquid side)	20.6 – 28.4 N • m {206 – 284 kgf • cm}
	ø12.7, ø15.88 (Gas side)	48.0 – 59.8 N • m {480 – 598 kgf • cm}

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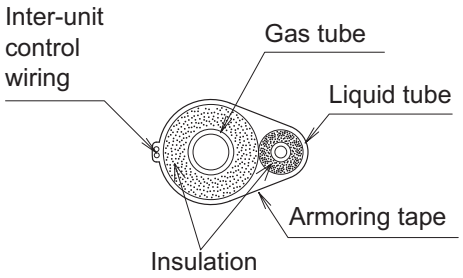
Insulating the Refrigerant Tubing

Tubing Insulation

- Thermal insulation must be applied to all units tubing, including distribution joint (purchased separately).
  * For gas tubing, the insulation material must be heat resistant to 120°C or above. For other tubing, it must be heat resistant to 80°C or above.

  Insulation material thickness must be 10 mm or greater.
  If the conditions inside the ceiling exceed DB 30°C and RH 70%, increase the thickness of the gas tubing insulation material by 1 step.

Two tubes arranged together

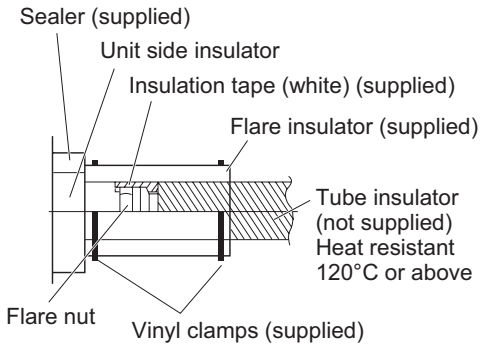


CAUTION

If the exterior of the outdoor unit valves has been finished with a square duct covering, make sure you allow sufficient space to access the valves and to allow the panels to be attached and removed.

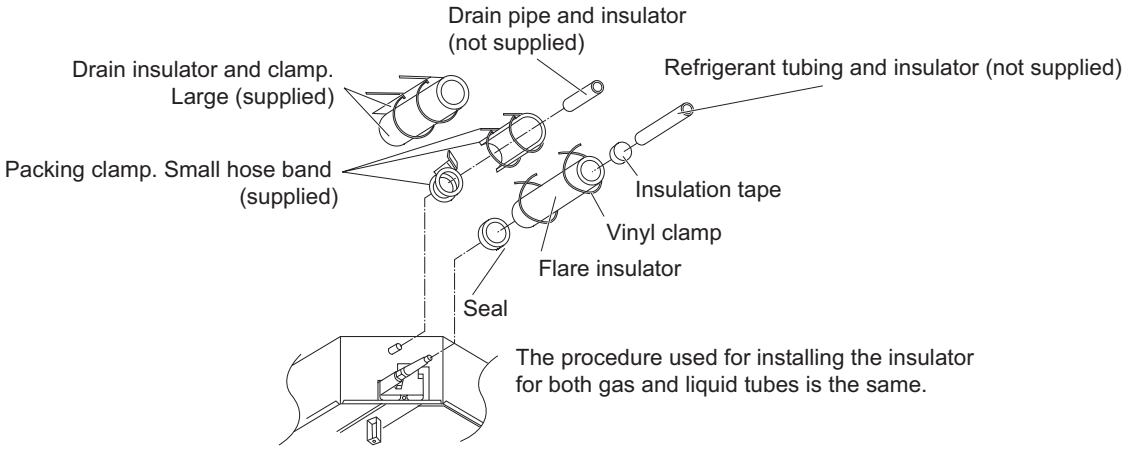
Taping the flare nuts

Wind the white insulation tape around the flare nuts at the gas tube connections. Then cover up the tubing connections with the flare insulator, and fill the gap at the union with the supplied black insulation tape. Finally, fasten the insulator at both ends with the supplied vinyl clamps.



Insulation material

The material used for insulation must have good insulation characteristics, be easy to use, be age resistant, and must not easily absorb moisture.



CAUTION

After a tube has been insulated, never try to bend it into a narrow curve because it can cause the tube to break or crack.
Never grasp the drain or refrigerant connecting outlets when moving the unit.

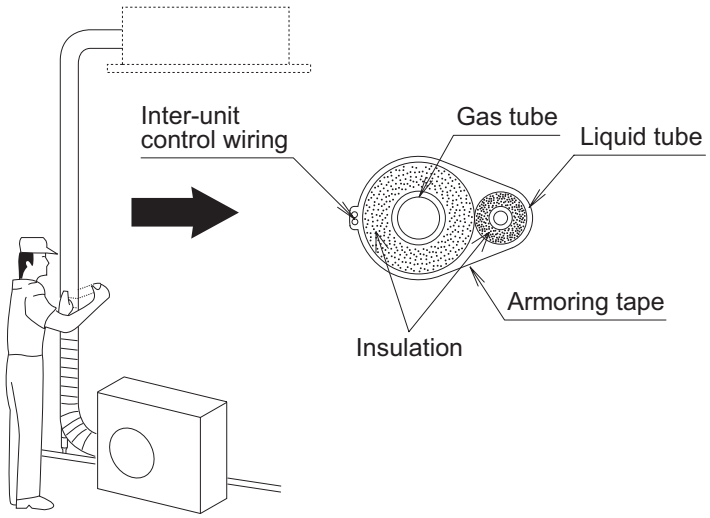
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Taping the Tubes

(1) At this time, the refrigerant tubes (and electrical wiring if local codes permit) should be taped together with armoring tape in 1 bundle.
To prevent condensation from overflowing the drain pan, keep the drain hose separate from the refrigerant tubing.

(2) Wrap the armoring tape from the bottom of the outdoor unit to the top of the tubing where it enters the wall.
As you wrap the tubing, overlap half of each previous tape turn.

(3) Clamp the tubing bundle to the wall, using 1 clamp approx. each meter.

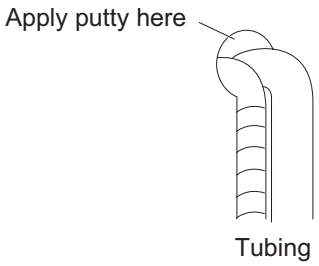


NOTE

Do not wind the armoring tape too tightly since this will decrease the heat insulation effect.
Also ensure that the condensation drain hose splits away from the bundle and drips clear of the unit and the tubing.

Finishing the Installation

After finishing insulating and taping over the tubing, use sealing putty to seal off the hole in the wall to prevent rain and draft from entering.



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LEAK TEST, EVACUATION AND ADDITIONAL REFRIGERANT CHARGE

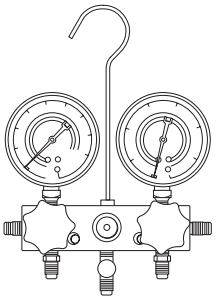
Perform an air-tightness test for this package A/C. Check that there is no leakage from any of the connections.

Air and moisture in the refrigerant system may have undesirable effects as indicated below.

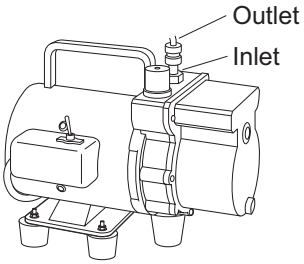
- pressure in the system rises
- operating current rises
- cooling (or heating) efficiency drops
- moisture in the refrigerant circuit may freeze and block capillary tubing
- water may lead to corrosion of parts in the refrigerant system

Therefore, the indoor unit and tubing between the indoor and outdoor unit must be leak tested and evacuated to remove any noncondensables and moisture from the system.

Manifold gauge

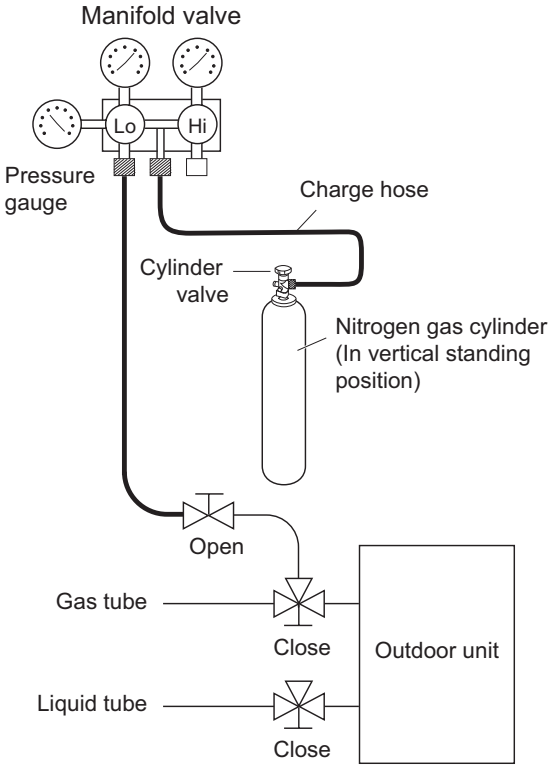


Vacuum pump



■ Air Purging with a Vacuum Pump (for Test Run) Preparation

Check that each tube (both liquid and gas tubes) between the indoor and outdoor units has been properly connected and all wiring for the test run has been completed. Remove the valve caps from both the gas and liquid service valves on the outdoor unit. Note that both liquid and gas tube service valves on the outdoor unit are kept closed at this stage.



- The refrigerant charge at the time of shipment is only guaranteed sufficient for a tubing length of up to 30* m. The tubing may exceed this length, up to the maximum permitted length; however, an additional charge is necessary for the amount that the tubing exceeds 30* m. (No additional refrigerating machine oil is needed.)
  * 60, 71 types : 20 m

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Leak Test

(1) With the service valves on the outdoor unit closed, remove the 6.35 mm flare nut and its bonnet on the gas tube service valve. (Save for reuse.)

(2) Attach a manifold valve (with pressure gauges) and dry nitrogen gas cylinder to this service port with charge hoses.

CAUTION

Use a manifold valve for air purging. If it is not available, use a stop valve for this purpose.
The "Hi" knob of the manifold valve must always be kept closed.

(3) Pressurize the system up to 4.15 MPa {42 kgf/cm²G} with dry nitrogen gas and close the cylinder valve when the gauge reading reaches 4.15 MPa {42 kgf/cm²G}.
Then, test for leaks with liquid soap.

CAUTION

To avoid nitrogen entering the refrigerant system in a liquid state, the top of the cylinder must be higher than the bottom when you pressurize the system. Usually, the cylinder is used in a vertical standing position.

(4) Do a leak test of all joints of the tubing (both indoor and outdoor) and both gas and liquid service valves. Bubbles indicate a leak. Wipe off the soap with a clean cloth after a leak test.

(5) After the system is found to be free of leaks, relieve the nitrogen pressure by loosening the charge hose connector at the nitrogen cylinder. When the system pressure is reduced to normal, disconnect the hose from the cylinder.

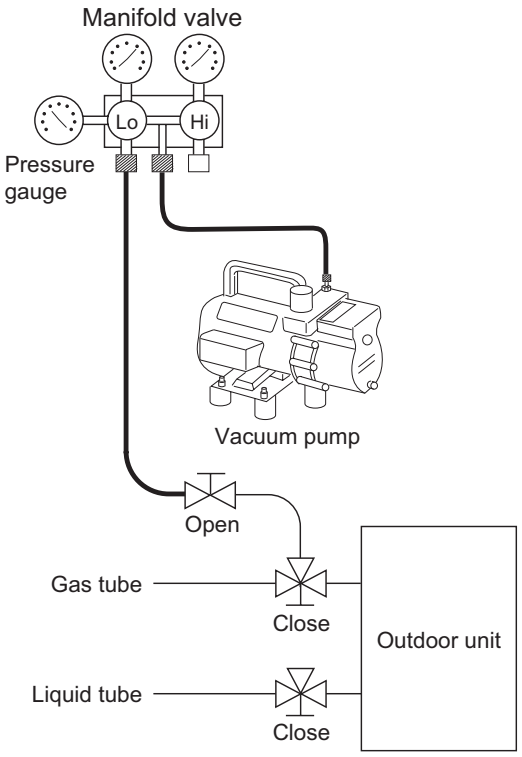
Evacuation

Be sure to use a vacuum pump that includes a function for prevention of back-flow, in order to prevent back-flow of ump oil into the unit tubing when the pump is stopped.

● Perform vacuuming of the indoor unit and tubing.
Connect the vacuum pump to the gas tube valve and apply vacuum at a pressure of –101kPa {–755 mmHg, 5 Torr} or below.
Continue vacuum application for a minimum of 1 hour after the pressure reaches –101kPa {–755 mmHg, 5 Torr}.

(1) Attach the charge hose end described in the preceding steps to the vacuum pump to evacuate the tubing and indoor unit. Confirm that the "Lo" knob of the manifold valve is open. Then, run the vacuum pump.

(2) When the desired vacuum is reached, close the "Lo" knob of the manifold valve and turn off the vacuum pump. Confirm that the gauge pressure is under –101 kPa {–755 mmHg, 5 Torr} after 4 to 5 minutes of vacuum pump operation.



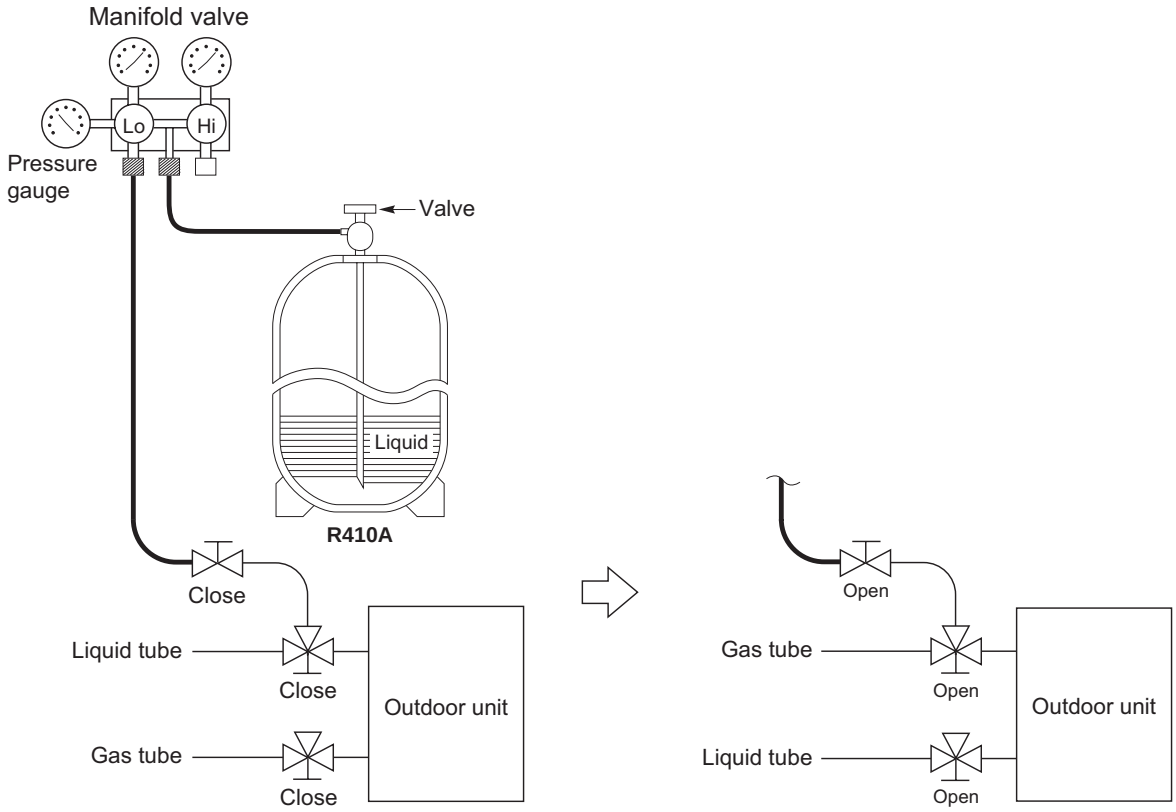
CAUTION

Use a cylinder specifically designed for use with R410A.

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Charging Additional Refrigerant

- Charging additional refrigerant (calculated from the liquid tube length as shown in “Amount of additional refrigerant charge”) using the liquid tube service valve.
- Use a balance to measure the refrigerant accurately.
- If the additional refrigerant charge amount cannot be charged at once, charge the remaining refrigerant in liquid form by using the gas tube service valve with the system in Cooling mode at the time of test run.



* If an additional refrigerant charge has been performed, list the refrigerant tubing length and amount of additional refrigerant charge on the product label (inside the panel).

Finishing the Job

(1) With a hex wrench, turn the liquid tube service valve stem counterclockwise to fully open the valve.
(2) Turn the gas tube service valve stem counterclockwise to fully open the valve.

CAUTION

To avoid gas from leaking when removing the charge hose, make sure the stem of the gas tube is turned all the way out (“BACK SEAT”) position.

(3) Loosen the charge hose connected to the gas tube service port (7.94 mm) slightly to release the pressure, and then remove the hose.
(4) Replace the 7.94 mm flare nut and its bonnet on the gas tube service port and fasten the flare nut securely with an adjustable wrench or box wrench.
This process is very important to prevent gas from leaking from the system.
(5) Replace the valve caps at both gas and liquid service valves and fasten them securely.

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ELECTRICAL WIRING

General Precautions on Wiring

(1) Before wiring, confirm the rated voltage of the unit as shown on its nameplate, then carry out the wiring closely following the wiring diagram.

(2) Provide a power outlet to be used exclusively for each unit and a circuit breaker for overcurrent protection should be provided in the exclusive line.

(3) To prevent possible hazards from insulation failure, the unit must be grounded.

(4) Each wiring connection must be done in accordance with the wiring system diagram.
Wrong wiring may cause the unit to disorder or become damaged.

(5) Do not allow wiring to touch the refrigerant tubing, compressor, or any moving parts of the fan.

(6) Unauthorized changes in the internal wiring can be very dangerous.
The manufacturer will accept no responsibility for any damage or malfunction that occurs as a result of such unauthorized changes.

(7) Regulations on wire diameters differ from locality to locality.
For field wiring rules, please refer to your LOCAL ELECTRICAL CODES before beginning.
You must ensure that installation complies with all relevant rules and regulations.

(8) To prevent malfunction of the air conditioner caused by electrical noise, care must be taken when wiring as follows:

- The remote control wiring and the inter-unit control wiring should be wired apart from the inter-unit power wiring.
- Use shielded wires for inter-unit control wiring between units and ground the shield on both sides.

(9) If the power supply cord of this appliance is damaged, it must be replaced by a repair shop designated by the manufacturer, because special-purpose tools are required.

Recommended Wire Length and Wire Diameter for Power Supply System

Outdoor unit

	(A) Power supply		Time delay fuse or circuit capacity
	Wire size	Max. length	
U-50PE1E5	2.5 mm²	29 m	16 A
U-60PEY1E5	2.5 mm²	19 m	20 A
U-71PEY1E5	2.5 mm²	19 m	20 A

Indoor unit

Type	(B) Power supply	Time delay fuse or circuit capacity
	2.5 mm²	
K1	Max. 150 m	10 - 16 A
U1, Y1, T1, F1, N1	Max. 130 m	10 - 16 A

Control wiring

(C) Inter-unit (between outdoor and indoor units) control wiring	(D) Remote control wiring	(E) Control wiring for group control
0.75 mm²(AWG #18) **Use shielded wiring*1**	0.75 mm²(AWG #18) **Use shielded wiring**	0.75 mm²(AWG #18) **Use shielded wiring**
Max. 1,000 m	Max. 500 m*2	Max. 200 m (Total)

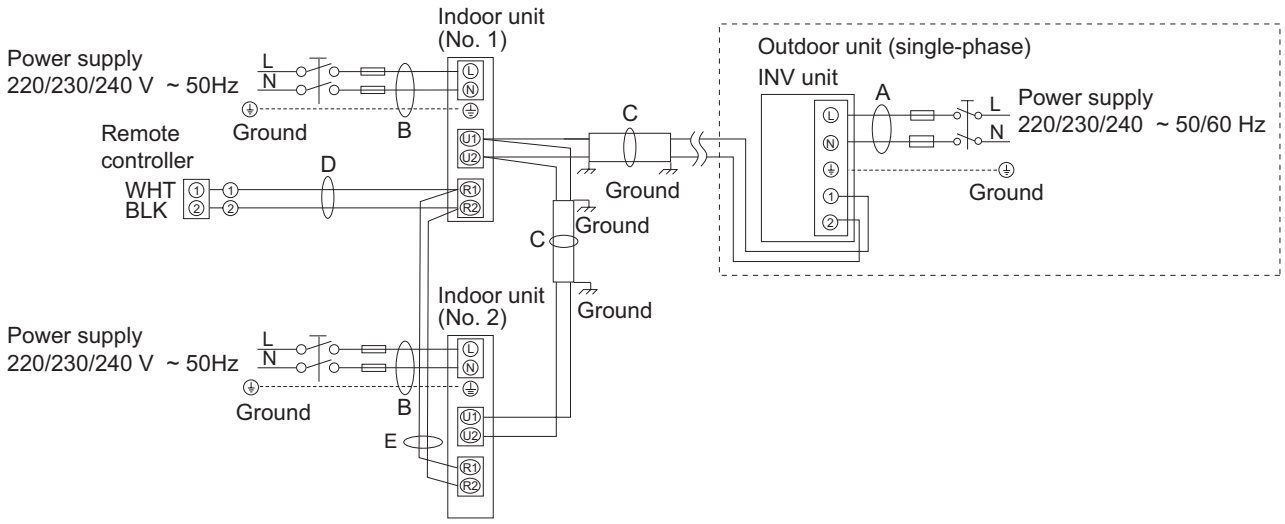
NOTE

*1 With ring-type wire terminal.

*2 When (D) and (E) are used together with maximum length of 500 m for group control, and if the remote controller for the group control is wireless, the maximum length will be 400 m.

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Wiring System Diagrams



NOTE

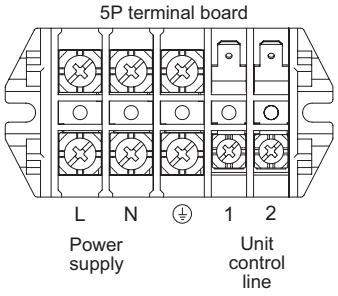
(1) Refer to Section “Recommended Wire Length and Wire Diameter for Power Supply System” for the explanation of “A”, “B”, “C”, “D” and “E” in the above diagrams.

(2) The basic connection diagram of the indoor unit shows the terminal board, so the terminal boards in your equipment may differ from the diagram.

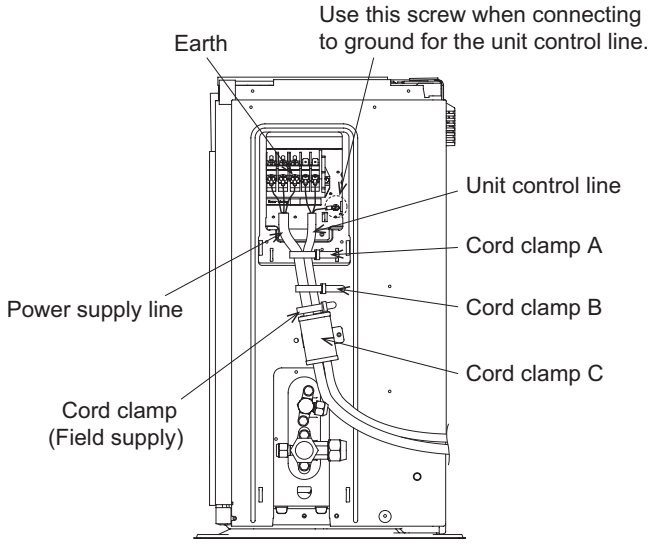
(3) Refrigerant Circuit (R.C.) address should be set before turning the power on.

(4) Regarding R.C. address setting, refer to the installation instructions supplied with the remote controller unit (Optional).
Auto address setting can be executed by remote controller automatically.
Refer to the Installation Instructions supplied with the remote controller (optional).

Outdoor Unit



Wiring sample

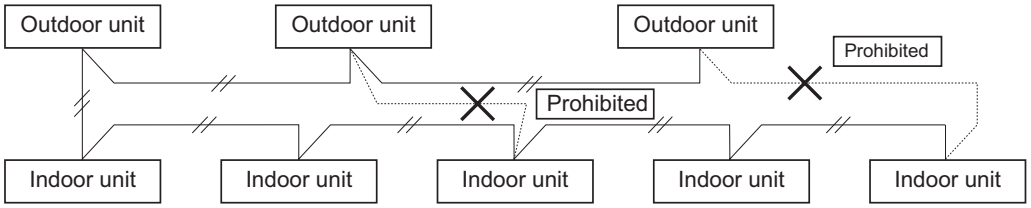


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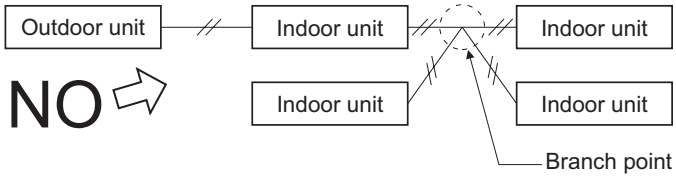
CAUTION

(1) When linking the outdoor units in a network, disconnect the terminal extended from the short plug from all outdoor units except any one of the outdoor units.
(When shipping: In shorted condition.)
For a system without link (no wiring connection between outdoor units), do not remove the short plug.

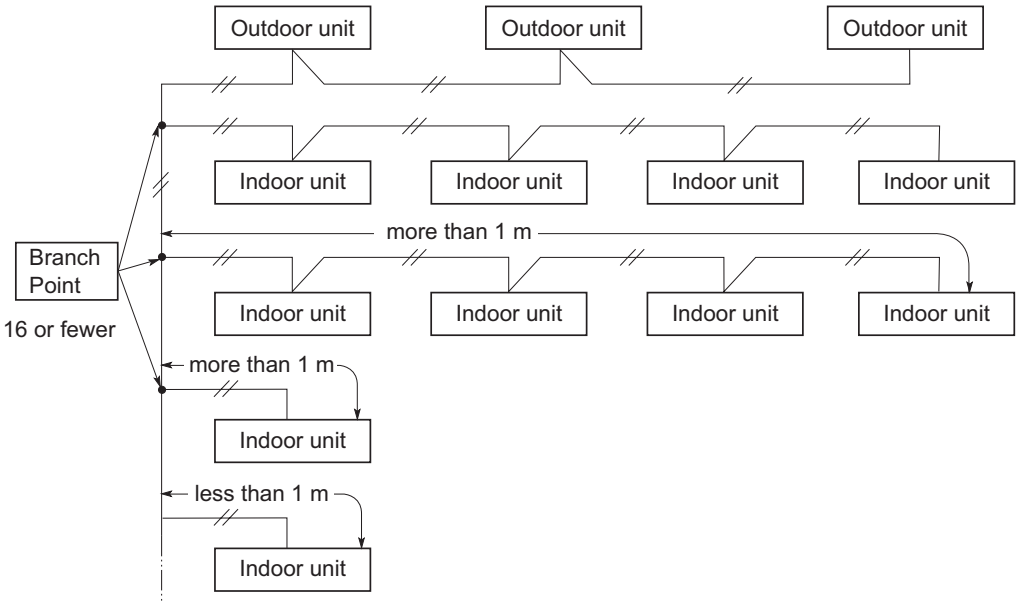
(2) Do not install the inter-unit control wiring in a way that forms a loop.



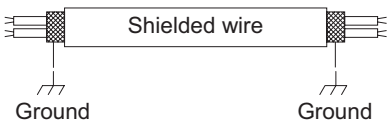
(3) Do not install inter-unit control wiring such as star branch wiring. Star branch wiring causes mis-address setting.



(4) If branching the inter-unit control wiring, the number of branch points should be 16 or fewer.
(Branches that are less than 1 m are not included in the total branch number.)



(5) Use shielded wires for inter-unit control wiring (c) and ground the shield on both sides, otherwise misoperation from noise may occur. Connect wiring as shown in Section "Wiring System Diagrams".



(6)
- **Use the standard power supply cables for Europe (such as H05RN-F or H07RN-F which conform to CENELEC (HAR) rating specifications) or use the cables based on IEC standard. (60245 IEC57, 60245 IEC66)**
- **Connecting cable between indoor unit and outdoor unit shall be approved polychloroprene sheathed 5 or 3 *1.5 mm² flexible cord. Type designation 60245 IEC 57 (H05RN-F, GP85PCP etc.) or heavier cord.**

WARNING

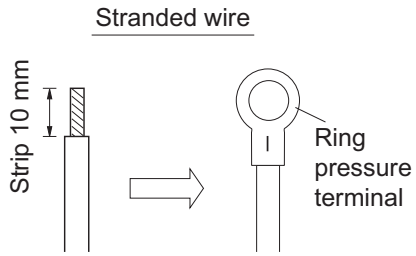
Loose wiring may cause the terminal to overheat or result in unit malfunction.
A fire hazard may also occur. Therefore, ensure that all wiring is tightly connected.
When connecting each power wire to the terminal, follow the instructions on "How to connect wiring to the terminal" and fasten the wire securely with the terminal screw.

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How to connect wiring to the terminal

■ **Air Purging with a Vacuum Pump (for Test Run) Preparation**

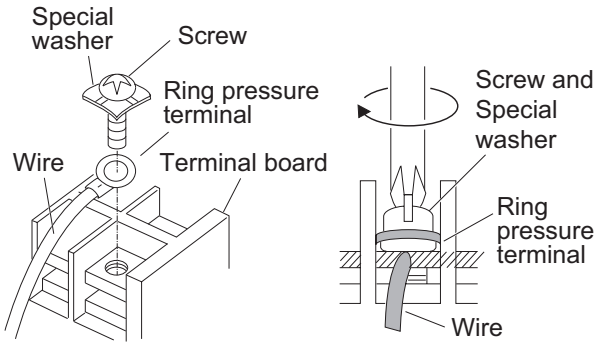
(1) Cut the wire end with cutting pliers, then strip the insulation to expose the stranded wire about 10 mm and tightly twist the wire ends.



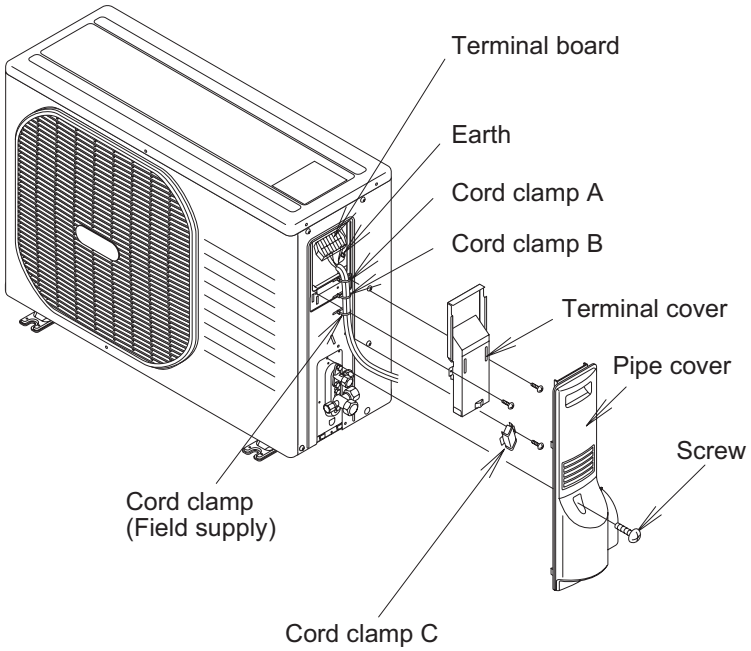
(2) Using a Phillips head screwdriver, remove the terminal screw(s) on the terminal board.

(3) Using a ring connector fastener or pliers, securely clamp each stripped wire end with a ring pressure terminal.

(4) Put the removed terminal screw through the ring pressure terminal and then replace and tighten the terminal screw using a screwdriver.



■ **Assembling parts for outdoor unit cover**



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TEST RUN

Preparing for Test Run

● **Before attempting to start the air conditioner, check the following:**

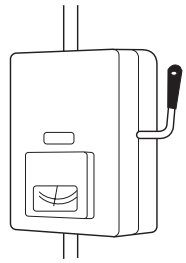
(1) All loose matter is removed from the cabinet especially steel filings, bits of wire, and clips.

(2) The control wiring is correctly connected and all electrical connections are tight.

(3) The protective spacers for the compressor used for transportation have been removed. If not, remove them now.

(4) The transportation pads for the indoor fan have been removed. If not, remove them now.

(5) The power has been supplied to the unit for at least 5 hours before starting the compressor.
The bottom of the compressor should be warm to the touch and the crankcase heater around the feet of the compressor should be hot to the touch.

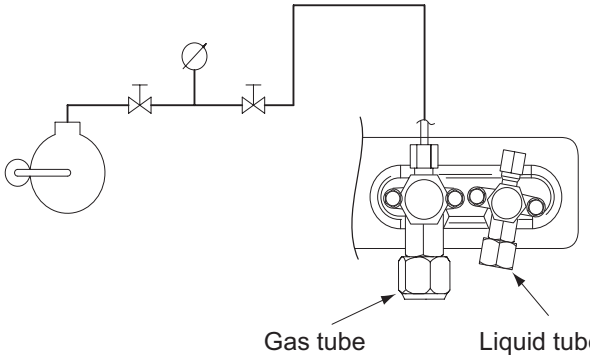


ON

(Power must be turned ON at least 5 hours before attempting test run)

Power mains switch

(6) Both the gas and liquid tube service valves are open.
If not, open them now.



(7) Request that the customer be present for the test run.
Explain the contents of the Installation Instructions, and then have the customer actually operate the system.

(8) Be sure to give the Installation Instructions and warranty certificate to the customer.

(9) When replacing the control PCB, be sure to make all the same settings on the new PCB as were in use before replacement.
The existing EEPROM is not changed, and is connected to the new control PCB.

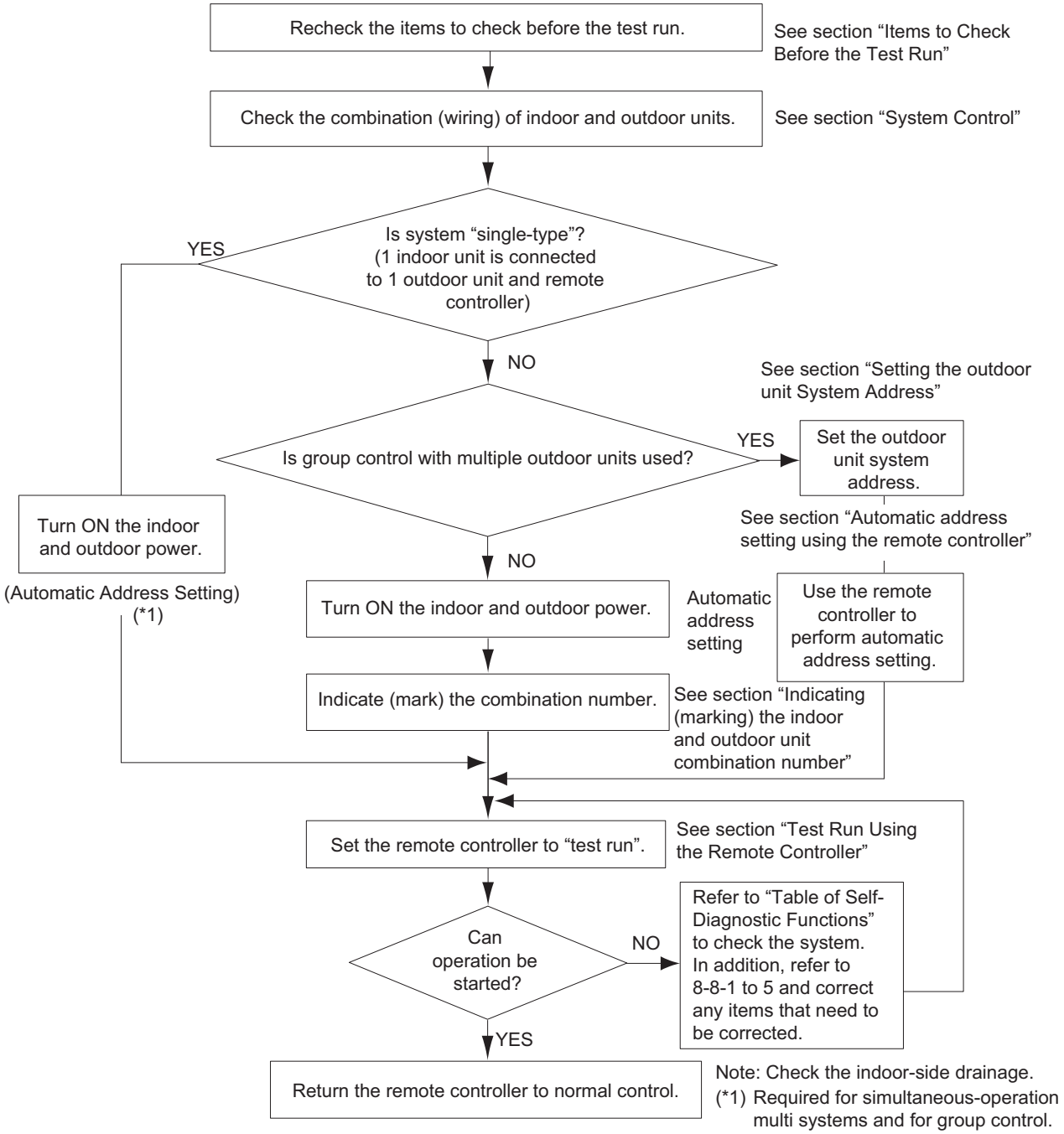
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■ U1, Y1, T1, F1, N1 Types

Caution

- **This unit may be used in a single-type refrigerant system where 1 outdoor unit is connected to 1 indoor unit, and also in a system where 1 outdoor unit is connected to multiple indoor units (maximum 2).**
  * If multiple indoor units are used, also refer to section “System Control”.
- **The indoor and outdoor unit control PCB utilizes a semiconductor memory element (EEPROM). The settings required for operation were made at the time of shipment. Only the correct combinations of indoor and outdoor units can be used.**
- **This test run section describes primarily the procedure when using the wired remote controller.**

Test Run Procedure



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Items to Check Before the Test Run

(1) Turn the remote power switch ON at least 12 hours in advance in order to energize the crankcase heater.
(2) Fully open the closed valves on the liquid-tube and gastube sides.

Test Run Using the Remote Controller

(1) Press and hold the remote controller button for 4 seconds or longer. Then press the button.

- "TEST" appears in the LCD display during the test run.
- Temperature control is not possible when test run mode is engaged.
  (This mode places a large load on the devices. Use it only when performing the test run.)

(2) Use either Heating or Cooling mode to perform the test run.

NOTE The outdoor unit will not operate for approximately 3 minutes after the power is turned ON or after it stops operating.

(3) If normal operation is not possible, a code appears on the remote controller LCD display.
Refer to the section "Table of Self-Diagnostic Functions and Corrections" and correct the problem.

(4) After the test run is completed, press the button again.
Check that "TEST" disappears from the LCD display.
(This remote controller includes a function that cancels test run mode after a 60-minute timer has elapsed, in order to prevent continuous test run operation.)

(5) For the test run of an inverter outdoor unit, operate the compressors for a minimum of 10 minutes (in order to check for open phase).

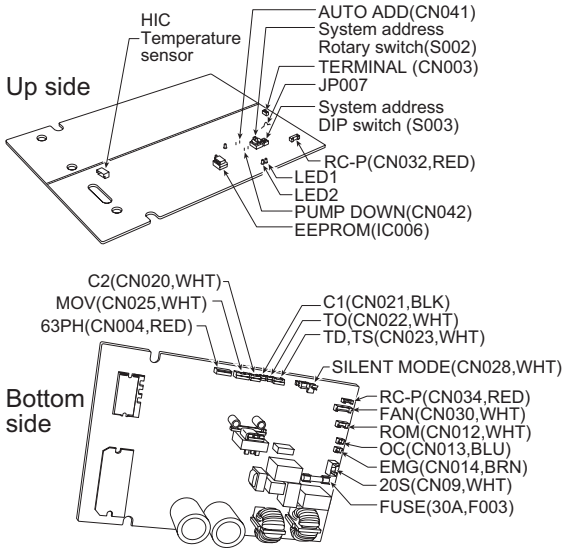
* When performing a test run using a wired remote controller, operation is possible without attaching the cassette-type ceiling panel. ("P09" will not be displayed.)

Precautions

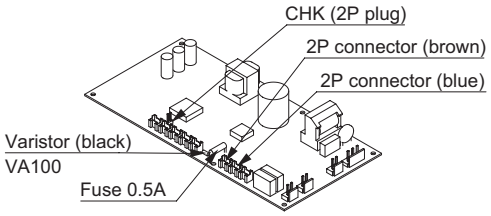
- Request that the customer be present when the test run is performed.
  At this time, explain the Operating Instructions and have the customer perform the actual steps.
- Be sure to pass the manuals and warranty certificate to the customer.
- Check that the 220 – 240 V AC power is not connected to the inter-unit control wiring connector terminal.

* If 220 – 240 V AC is accidentally applied, the indoor or outdoor unit control PCB fuse will blow in order to protect the PCB.
Correct the wiring connections, then disconnect the 2P connectors that are connected to the PCB, and replace them with 2P connectors.
If operation is still not possible after changing the brown connectors, cut off the jumper (outdoor unit : JP007) or the varistor (indoor unit) on the PCB. (Be sure to turn the power OFF before performing this work.)

Outdoor unit control PCB

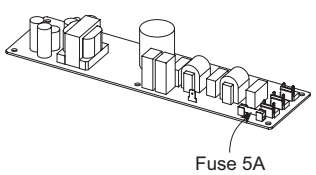


Indoor unit control PCB

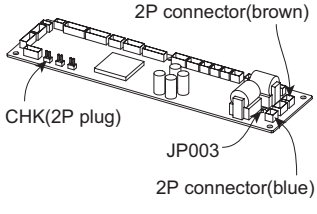


■ **Y1 Type**

Power PCB



Control PCB



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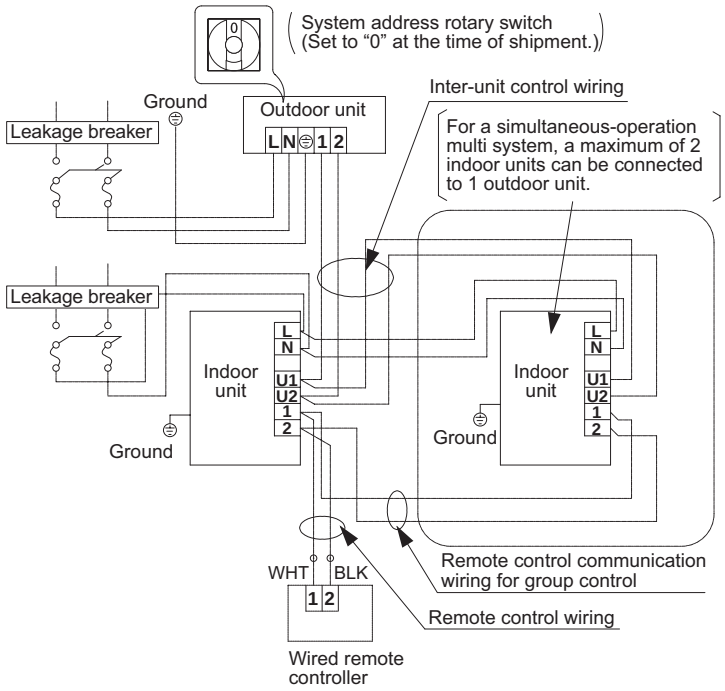
Table of Self-Diagnostic Functions and Corrections (U1, Y1, T1, F1, N1 Types)

Wired remote controller display	Indoor unit receiver lamp	Cause				Correction
		1:1 connection (single type)	Group connection	Simultaneous-operation multi system (flexible combination)	Control by main-sub remote controllers	
Nothing is displayed	Nothing is displayed	● Remote controller is not connected correctly. ● Indoor unit power is not ON.	● Remote controller is not connected with indoor unit correctly ● Indoor unit power is not ON.	● Same at left	● Same at left	Connect the remote controller correctly. Turn ON the indoor unit power.
E01 displayed	Operating lamp is blinking.	● Automatic address setting has not been completed. ● Inter-unit control wiring is cut or is not connected correctly. ● Remote controller is not connected correctly (remote controller receiving failure).	● Automatic address setting has not been completed. ● Inter-unit control wiring is cut or is not connected correctly. ● Remote controller is not connected with indoor unit correctly.	● Same at left	● Same at left	Check the remote controller and inter-unit control wiring. Perform automatic address setting.
E02 displayed		● Remote controller is not connected correctly (failure in transmission from remote controller to indoor unit).	● Remote controller is not connected with indoor unit correctly.	● Same at left	● Same at left	Connect the remote controller correctly.
E09 displayed		————	————	————	● 2 remote controllers are set as the main remote controller.	Refer to section “Main-sub remote Control”, and make the correct settings.
E14 displayed		————	————	● Remote control communication wiring is cut or is not connected correctly.	● Same at left	Check the remote control communication wiring. Perform automatic address setting again.
E04 displayed	Standby lamp is blinking.	● Indoor-outdoor inter-unit wiring is not connected correctly.	● Same at left	● Same at left	● Same at left	Connect the wiring correctly.
E06 displayed			● Indoor-outdoor inter-unit wiring is cut or is not connected correctly.	● Same at left	● Same at left	Refer to section “System Control”, and make the correct settings.
E15 displayed		● Indoor unit capacity is too low.	● Same at left	● Same at left	● Same at left	Check that the total capacities of the indoor and outdoor units are appropriate.
E16 displayed		● Indoor unit capacity is too high.				
E20 displayed		● No serial signal is being received at all from the indoor units.				Check that the indoor unit power is ON, and that the inter-unit control wiring is connected correctly.
P05 displayed	Operation lamp and Standby lamp are blinking alternately.	● Reversed phase in the outdoor unit single-phase or open phase in the outdoor unit 3-phase power. ● Insufficient gas	● Reversed phase in the outdoor unit single phase or open phase in the 3-phase power at one of the outdoor units in the group.	● Reversed phase in the outdoor unit single-phase or open phase in the outdoor unit 3-phase power. ● CT sensor is disconnected or there is a problem with the circuit.	● Same at left	Reverse 2 phases of the outdoor unit 3-phase power and connect them correctly. Check that the CT sensor is not disconnected, and make sure it is inserted. Fill up the gas appropriately.
L02 displayed **L13** displayed	Both the Operation lamp and Standby lamp are blinking together.	● Indoor-outdoor unit type mismatch.	● Same at left	● Same at left	————	Check that the indoor and outdoor unit types are correct.
L07 displayed		————	————	● Remote control communication wiring is connected to the indoor unit, however it is set for individual operation.	● Same at left	Perform automatic address setting. (See section “System Control”.)
P09 displayed	Timer lamp and Standby lamp are blinking alternately.	● The indoor unit ceiling panel connector is not connected correctly.	● Ceiling panel connector at one of the indoor units in the group is not connected correctly.	● Indoor unit ceiling panel connector is not connected correctly.	● Same at left	Connect the indoor unit ceiling panel connector correctly.
P12 displayed		● Indoor unit DC fan trouble.	● DC fan trouble at one of the indoor units in the group.	● Indoor unit fan trouble.	● Same at left	Check whether the fan holder is loose. Check the wiring between the DC fan and the PCB.
P15 displayed	Operation lamp and Standby lamp are blinking alternately.	● No gas	● Same at left	● Same at left	————	Check the refrigerant cycle (for gas leaks).

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System Control

System control refers to the link wiring connection for control of simultaneous-operation multi systems, group control, and mainsub remote controller control.



Basic wiring diagram 1

Single type and simultaneous-operation multi system

- Simultaneous-operation multi system

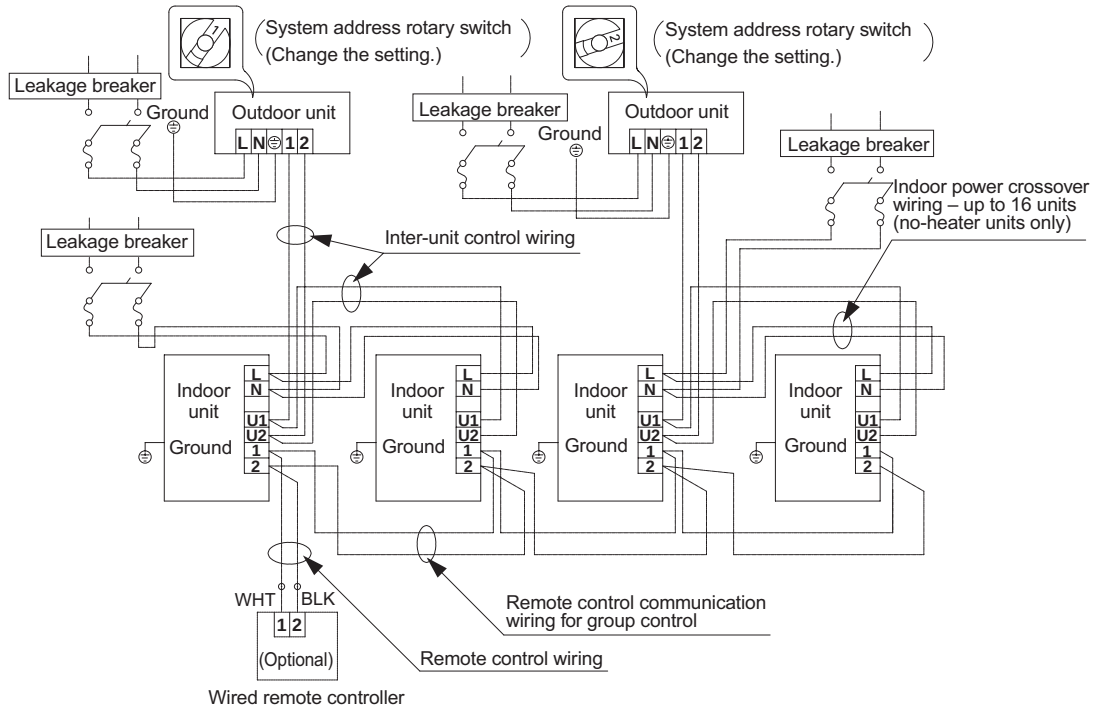
  Up to 2 (Twin) indoor units can be connected to 1 outdoor unit for operation.
  (However, coordinate the outdoor unit capacity and the total capacity of the indoor units.)
  (It is not possible to connect individual remote controllers for independent operation.)
- Be careful to avoid miswiring when connecting the wires. (Miswiring will damage the units.)

Basic wiring diagram 2

Group control (when a central control device is not used)

- Simultaneous-operation multi system

  Up to 2 (Twin) indoor units can be connected to 1 outdoor unit for operation.
  (However, coordinate the outdoor unit capacity and the total capacity of the indoor units.)
  (It is not possible to connect individual remote controllers for independent operation.)
  A maximum of 8 indoor units can be connected to 1 remote controller.
  When 2 indoor units are connected to each outdoor unit in the refrigerant system, set the system address (refrigerant tubing system address) before turning on the remote power switch.
  (Refer to section "Setting the outdoor unit system addresses".)
  (Set using the system address rotary switch on the outdoor unit control PCB.)



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(Wiring procedure)

(1) Connect the remote controller to the indoor unit remote control wiring terminal board (1, 2). (Remote control wiring)

(2) Connect the indoor units (U1, U2) and the outdoor units (1, 2). Connect the other outdoor units and indoor units (with different refrigerant systems) in the same way. (Inter-unit control wiring) Connect the remote control communication wiring to the indoor units (U1, U2) for each refrigerant system. (Inter-unit control wiring)

(3) Connect the remote control communication wiring (2 wires) from the remote control wiring terminal board (1, 2) on the indoor unit (unit where the remote controller is connected) to the remote controller terminal board (1, 2) on the other indoor units. (Remote control communication wiring)

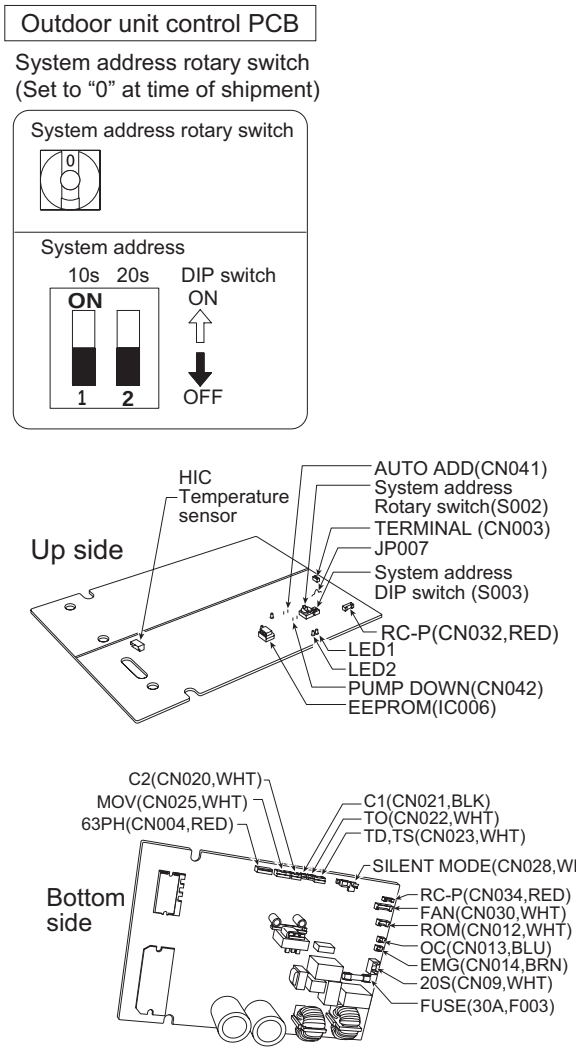
(4) Turn ON both the indoor and outdoor unit power and perform automatic address setting from the remote controller.
(For the automatic address setting procedure, refer to section “Automatic address setting using the remote controller”.)

NOTE

* Models with auxiliary heaters cannot be used for crossover wiring of the indoor unit power wires. (Use a pull box to divide the wiring.)
Be sure to use the indoor unit temperature sensor (body sensor) when using this control. (Status at shipment.)

Setting the outdoor unit system addresses

For basic wiring diagram 2 (Set the system addresses: 1, 2, 3...)



System address No.	System address 10s digit (2P DIP switch)	System address 1s place (Rotary switch)
0 Automatic address (Setting at shipment = “0”)	Both OFF	“0” setting
1 (If outdoor unit is No. 1)	Both OFF	“1” setting
2 (If outdoor unit is No. 2)	Both OFF	“2” setting
11 (If outdoor unit is No. 11)	10s digit ON	“1” setting
21 (If outdoor unit is No. 21)	20s digit ON	“1” setting
30 (If outdoor unit is No. 30)	10s digit and 20s digit ON	“0” setting

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Automatic address setting using the remote controller

When the outdoor unit shown in “Basic wiring diagram 2” is used for group control of multiple units, use the remote controller to perform automatic address setting. (During automatic address setting, “SETTING” blinks on the remote controller display.)

- Press the remote controller timer time ▲ button and 🔧 button simultaneously. (Hold for 4 seconds or longer.)
  Then press the SET button. (Item code “AA” appears: All systems automatic address setting.)
  (Automatic address setting is performed in sequence for all outdoor units from No. 1 to No. 30.
  When automatic address setting is completed, the units return to normal stopped status.)
- To select each refrigerant system individually and perform automatic address setting, press the remote controller timer time ▲ button and 🔧 button simultaneously. (Hold for 4 seconds or longer.)
  Then press either of the temperature setting ▲ / ▼ buttons.
  (Item code “A1” appears: Individual system automatic address setting)
  Use either the UNIT or ⬚ button to select the outdoor unit to perform automatic address setting for.
  (R.C.1 is displayed.) Then press the SET button. (Automatic address setting is performed for refrigerant system 1.)
  When automatic address setting for system 1 is completed, the system returns to normal stopped status.
  Again press the remote controller timer time ▲ button and the 🔧 button simultaneously.
  Then in the same way as above (use the UNIT button to display “R.C.2”), select the next system and perform automatic address setting.

Indicating (marking) the indoor and outdoor unit combination number

Indicate (mark) the number after automatic address setting is completed.

(1) So that the combination of each indoor unit can be easily checked when multiple units are installed, ensure that the indoor and outdoor unit numbers correspond to the system address number on the outdoor unit control PCB, and use a magic marker or similar means which cannot be easily erased to indicate the numbers in an easily visible location on the indoor units (near the indoor unit nameplates).

Example: (Outdoor) 1 - (Indoor) 1, 2
(Outdoor) 2 - (Indoor) 1, 2

(2) These numbers will be needed for maintenance.
Be sure to indicate them.

* Use the remote controller to check the addresses of the indoor units.
Press and hold the 🔧 button and 🏠 button for 4 seconds or longer (simple settings mode).
Then press the UNIT button and select the indoor address.
(Each time the button is pressed, the address changes as follows: 1-1, 1-2, 2-1, 2-2, ...)
The indoor unit fan operates only at the selected indoor unit.
Confirm that correct fan is operating, and indicate the address on the indoor unit.
Press the 🔧 button again to return to the normal remote controller mode.
For details, refer to the separate manual.

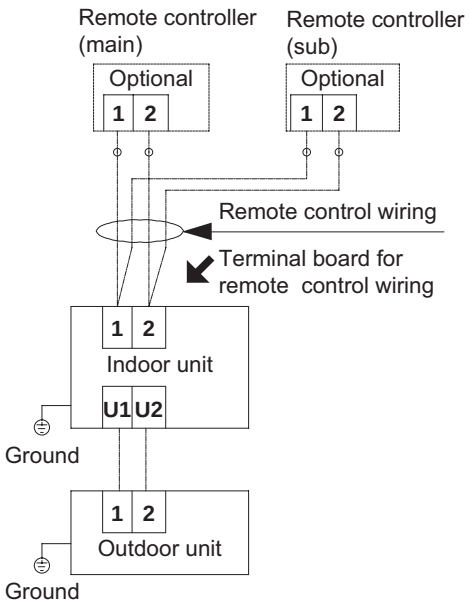
Main-sub remote controller control

Control using 2 remote controller

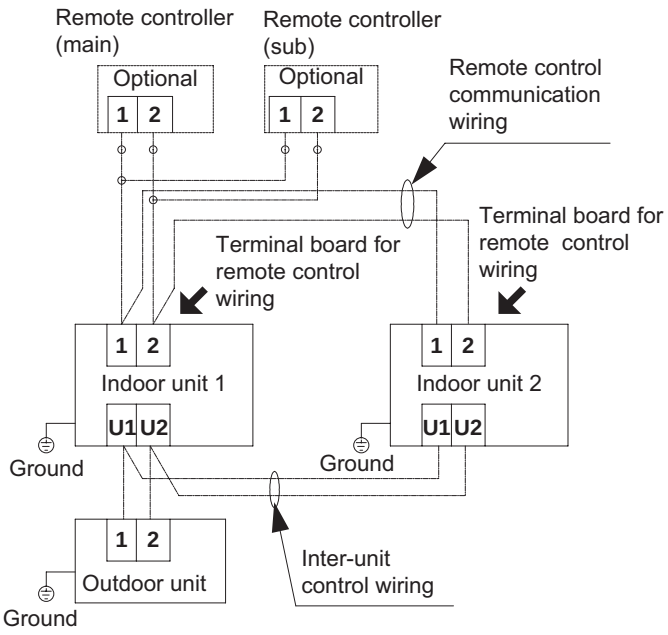
Main-sub remote controller control refers to the use of 2 remote controllers to control 1 or multiple indoor units.
(A maximum of 2 remote controllers can be connected.)

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● **Connecting 2 remote controllers to control 1 indoor unit**



● **Connecting 2 remote controllers to control a simultaneous-operation multi system**



● **Remote controller setting mode**

To set the remote controller main/sub setting or change the sensor, follow the steps below.

(1) Press both [ ] and [SET] buttons on the remote controller for more than 4 seconds together.
(2) Select CODE No. with [▲] / [▼] ([🌡]) buttons.
(3) Change DATA with [▲] / [▼] (TIMER) buttons.
(4) Press [SET]. Finally, press [🔧].

* DATA is memorized in the RCU. (DATA setting will not be changed even when the power is turned off.)
* Make sure to set [Normal] for RCU. CK.

CODE ITEM	ITEM	DATA	
		0000	0001
01	RCU. Main/Sub	Sub	Main
02	Clock display	24 hours	12 hours (AM/PM)
08	RCU. CK	RCU. CK	Normal
0A	Room temperature sensor	Main unit	RCU

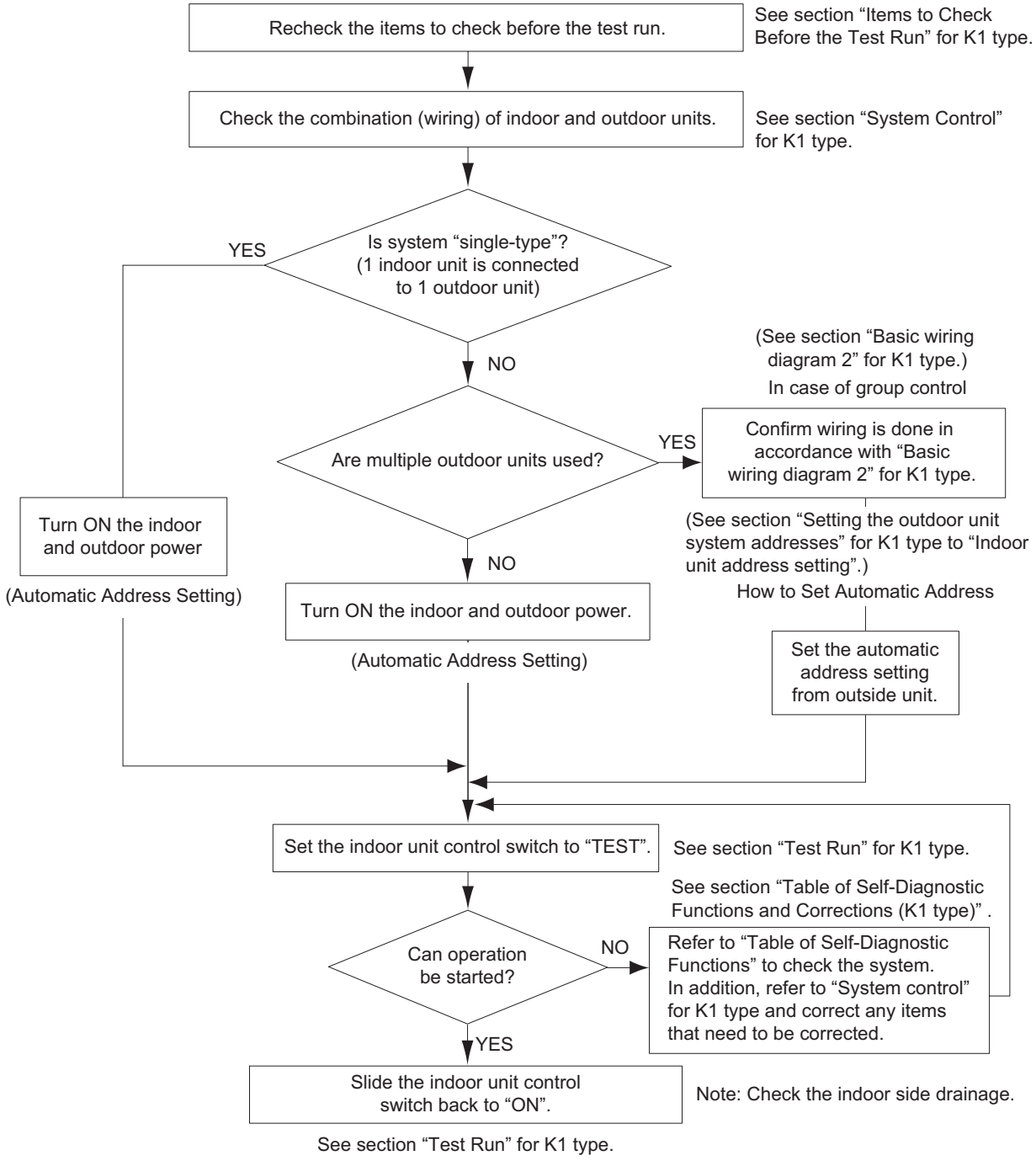
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■ **K1 Type**

Caution

- **This unit may be used in a single-type refrigerant system where 1 outdoor unit is connected to 1 indoor unit, and also in a system where 1 outdoor unit is connected to multiple indoor units (maximum 2).**
  * If multiple indoor units are used, also refer to section “System Control” for K1 type.
- **The indoor and outdoor unit control PCB utilizes a semiconductor memory element (EEPROM).**
  The settings required for operation were made at the time of shipment.
  Only the correct combinations of indoor and outdoor units can be used.

Test Run Procedure



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Items to Check Before the Test Run

(1) Turn the remote power switch ON at least 12 hours in advance in order to energize the crankcase heater.
(2) Fully open the closed valves on the liquid tube and gas tube sides.

Preparation for Test Run

Switching the temperature sensor

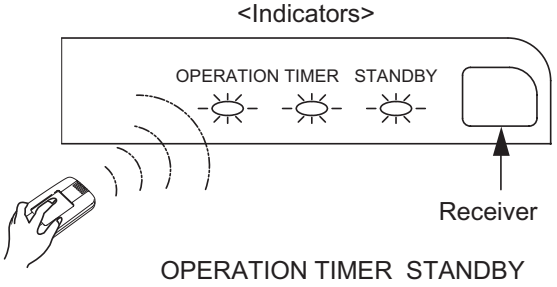
- Temperature sensors are contained in the indoor unit and wireless remote controller.
  One or the other of the temperature sensors is used for operation.
- If (body sensor) appears on the LCD display of the wireless remote controller, then the indoor unit body sensor is used for operation.
  To switch to the remote controller sensor, open the remote controller cover and press the SENSOR button once.
  The (body sensor) display disappears and the remote control sensor is used for operation.

NOTE

- Even if the remote controller sensor is selected, the sensor will be automatically switched to the indoor unit body sensor if no temperature signal has been received from the remote controller for 10 minutes.
  Install the remote controller in a position where the signal can be reliably received by the unit.
- When group control is engaged, be sure to use the body sensor.

Using the remote controller

- Face the remote controller toward the receiver (on the main unit).



- The signal can be received up to a distance of approximately 8 m.
  Use this distance as a guide.
  This distance may vary somewhat depending on the battery capacity and other factors.
- Be sure that there are no objects between the remote controller and the receiver which may block the signal.
- The unit beeps when a signal is received correctly. (For operation start only, the unit beeps twice.)
- Do not drop, throw, or wash the remote controller.
- Do not place the remote controller in locations exposed to direct sunlight or nearby a stove.

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Test Run

Using the control unit

(1) Change the indoor control unit switch from “ON” → “TEST”.
(The outdoor unit will not operate for 3 minutes after the power is turned ON and after operation is stopped.)

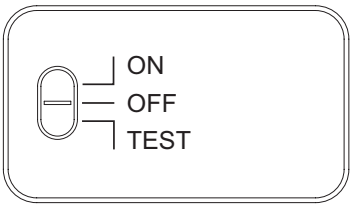
(2) All the indicator lamps blink while the test run is in progress.

(3) Temperature control is not possible during the test run.

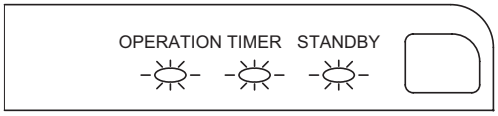
(4) If correct operation is not possible, the trouble will be indicated by the indicator lamps.
Refer to “Table of Self-Diagnostic Functions and Corrections (K1 type)” and correct the problem.

(5) After the test is completed, change the control unit switch from “TEST” → “ON”.
Confirm that the indicator lamps have stopped blinking. (A function is included which cancels the test run after a 60-minute timer has elapsed, in order to prevent continuous test run operation.)

Indoor control unit switch



Indicator lamps



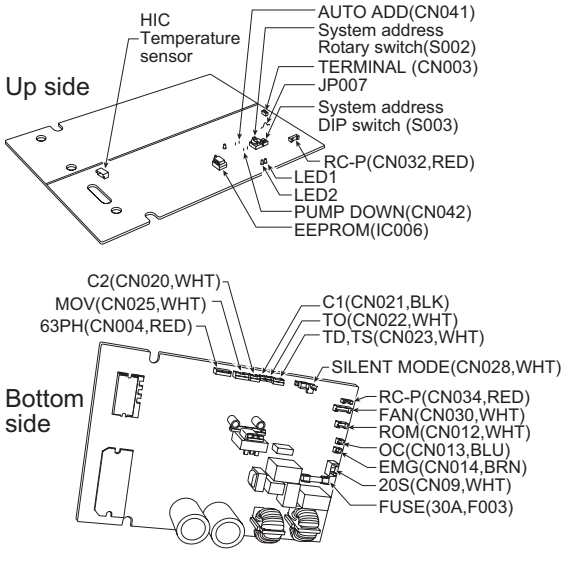
NOTE

- This mode places a large load on the devices. Use it only for performing test runs.
- A test run is not possible if the power is turned ON with the switch in the TEST position.
  After the power has been turned ON, change the switch once to ON or OFF, then switch it back to the TEST position.

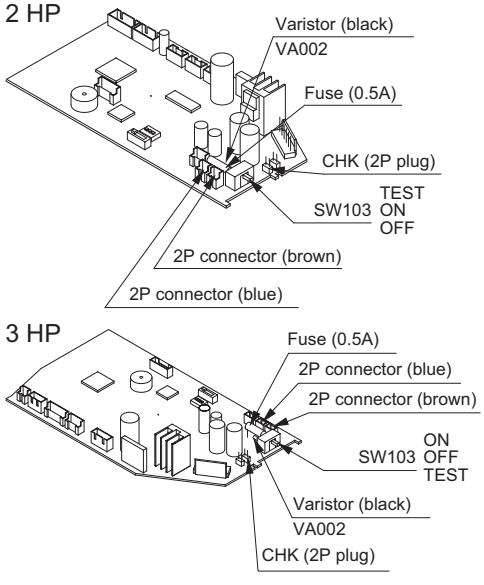
Precautions

- Request that the customer be present when the test run is performed.
  At this time, explain the Operating Instructions and have the customer perform the actual steps.
- Be sure to pass the manuals and warranty certificate to the customer.
- Check that the 220 – 240 V AC wiring is not connected to the inter-unit control wiring connector terminal.
  * If 220 – 240 V AC is accidentally applied, the indoor or outdoor unit control PCB fuse (0.5 A for both indoor and outdoor units) will blow in order to protect the PCB.
  Correct the wiring connections, then disconnect the 2P connectors (indoor: blue) (outdoor: blue, serial 1) that are connected to the PCB, and replace them with 2P connectors (indoor: brown) (outdoor: brown, serial 2).
  If operation is still not possible after changing the brown connectors, cut off the jumper (outdoor unit : JP007) or the varistor (indoor unit) on the PCB. (Be sure to turn the power OFF before performing this work.)

Outdoor unit control PCB



Indoor unit control PCB



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Table of Self-Diagnostic Functions and Corrections (K1 Type)

Wired remote controller display (Field supply)	Indoor unit receiver lamp	Cause		Correction
		1:1 connection (Single type)	Group connection (Simultaneous multi system)	
Nothing is displayed	Nothing is displayed	● Indoor operation switch is OFF. ● Indoor unit power is not ON.	●Same at left	● Set the indoor operation switch ON. ● Turn ON the indoor unit power.
E01 displayed	Operating lamp is blinking.	● Automatic address setting has not been completed. ● Inter-unit control wiring is cut or is not connected correctly.	●Same at left	● Check the inter-unit control wiring. ● Perform automatic address setting (See section “System Control” for K1 type.)
E14 displayed		———————	●Remote control communication wiring is cut or is not connected correctly.	● Check the remote control communication wiring. ● Perform automatic address setting again.
E04 displayed	Standby lamp is blinking.	● Indoor-outdoor inter-unit wiring is not connected correctly.	●Same at left	● Connect the wiring correctly.
E06 displayed		———————	●Inter-unit control wiring is cut or is not connected correctly.	● Refer to “System Control” for K1 type, and make the correct settings.
E15 displayed		● Indoor unit capacity is too low.	●Same at left	● Check that the total capacities of the indoor and outdoor units are appropriate.
E16 displayed		● Indoor unit capacity is too high.	●Same at left	● Reverse 2 phases of the outdoor unit 3-phase power and connect them correctly.
P05 displayed	Operation lamp and Standby lamp are blinking alternately.	● Reversed phase in the outdoor unit single-phase or open phase in the outdoor unit 3-phase power.	●Same at left	● Connect the units correctly.
L02 displayed	Both the Operation lamp and Standby lamp are blinking together.	● Indoor-outdoor unit type mismatch.	●Same at left	● Connect the units correctly
L13 displayed		● Indoor-outdoor units are not setting correctly.	●Same at left	● Connect the units correctly
L04 displayed		———————	●Outdoor unit address is duplicated.	● Connect the units correctly.
L07 displayed		———————	●Remote control communication wiring is connected to the indoor unit, however, it is set for individual operation.	● Perform automatic address setting (See section “System Control” for K1 type).
P15 displayed	Operation lamp and Standby lamp are blinking alternately.	● No gas	●Same at left	● Check the refrigerant cycle (for gas leaks).

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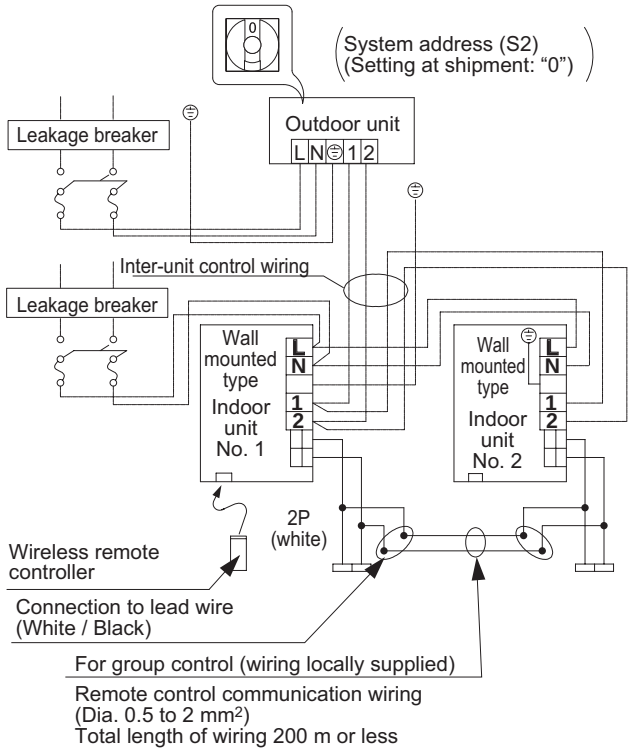
System Control

System control refers to the link wiring connection for control of simultaneous-operation multi systems, group control, and mainsub remote controller control.

Basic wiring diagram 1

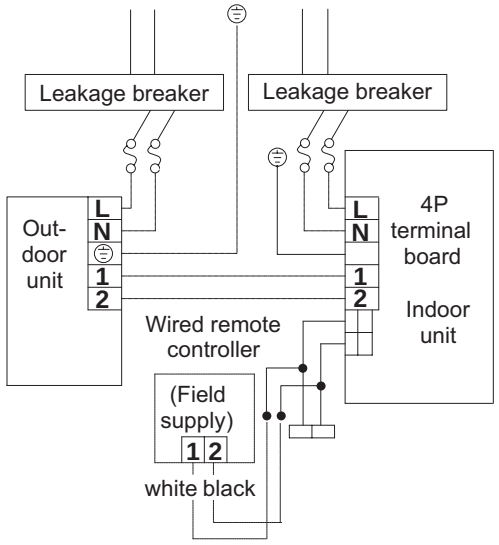
Single type and simultaneous-operation multi system

- Simultaneous-operation multi system
  Up to 2 (Twin) indoor units can be connected to 1 outdoor unit for operation.
  (However, coordinate the outdoor unit capacity and the total capacity of the indoor units.)
  (It is not possible to connect individual remote controllers for independent operation.)
- Be careful to avoid miswiring when connecting the wires. (Miswiring will damage the units.)



(Using a wired remote controller with a single-type system)

1. Wall mounted units do not include a terminal board for connecting a remote controller.
2. To connect the remote controller, a remote controller cord is required.



* When using wall mounted units in a simultaneous-operation multi system, connect the remote control communication wiring to the remote controller connector (2P) on the main unit, as shown in the diagram.

(Wiring procedure)

(1) Set the No. 1 wall mounted indoor unit so that it can be operated by the wireless remote controller.
(This is set at the time of shipment.)
On the indoor unit control PCBs, set the No. 2 and following wall mounted units to the sub remote controller.
(Refer to section "Indoor unit remote controller main-sub setting" for K1 type.)

(2) Connect the crossover wiring to the lead wires (white/black) that extend out from the remote controller connectors of the No. 1 indoor unit and other wall mounted indoor units (as shown in Basic wiring diagram 1).
Connect the crossover wiring to 1 and 2 on the remote control wiring terminal board for units (4-way, ceilingmounted, etc.) other than the No. 1 indoor unit.

(3) Connect the inter-unit control wiring to 1 and 2 on the No. 1 indoor unit terminal board, and to 1 and 2 on the outdoor unit terminal board. Also connect the inter-unit control wiring between the indoor units.

(4) When the indoor and outdoor unit power is turned ON, automatic address setting is performed (when there is only 1 outdoor unit or when the system address is "0").

NOTE

* If the system address is "0", automatic address setting is performed when the power is turned ON (in the case shown in Basic wiring diagram 1).
This requires approximately 4 – 5 minutes (when the outdoor / indoor unit ratio is 1:1 as shown in basic wiring diagram 1). During automatic address setting, LED 1 and 2 on the outdoor unit control PCB blink alternately. These LED turn OFF when automatic address setting is completed.

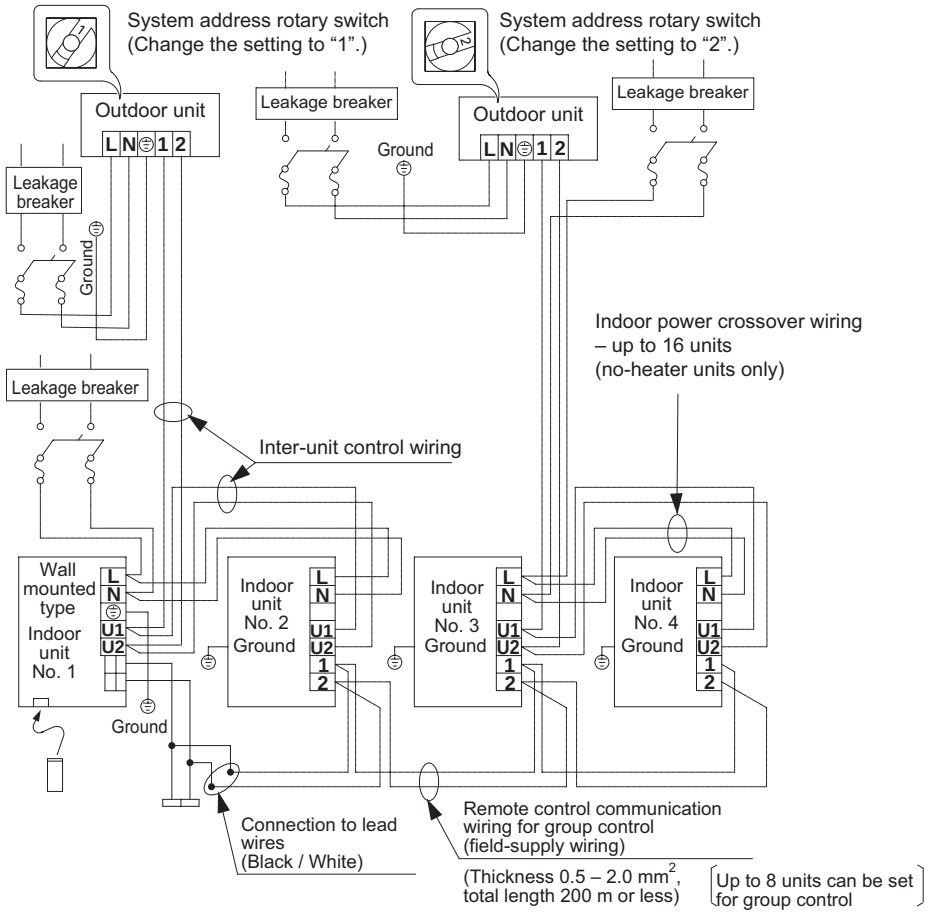
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Basic wiring diagram 2

Group control (when a central control device is not used)

- A maximum of 8 indoor units can be connected to a single remote controller.

  Example: In a refrigerant system where 2 or 3 indoor units are connected to 1 outdoor unit, set the new system address (refrigerant system address) before turning ON the remote power switch.
  (Refer to section “Setting the outdoor unit system addresses” for K1 type.)
  (Set using the system address black rotary switch on the outdoor unit control PCB.)



1. Wall mounted units do not include a terminal board for connecting a remote controller.
2. For group control of wall mounted units, connect the remote control communication wiring to the remote controller connector (2P) on the main unit, as shown in the diagram.

(Wiring procedure)

(1) Set the No. 1 wall mounted indoor unit so that it can be operated by the wireless remote controller.
(This is set at the time of shipment.)
On the indoor unit control PCBs, set the No. 2 and following wall mounted units to the sub remote controller.
(Refer to section “Indoor unit remote controller main-sub setting” for K1 type.)

(2) Connect the crossover wiring to 1 and 2 on the remote control wiring terminal boards of the No. 1 indoor unit and the other indoor units (as shown in Basic wiring diagram 2).

(3) Connect the inter-unit control wiring to 1 and 2 on the No. 1 indoor unit terminal board, and to 1 and 2 on the outdoor unit terminal board. Connect the wiring in the same way from the other outdoor units to U1 and U2 on the indoor units terminal boards (different refrigerant system).

(4) Perform automatic address setting from the outdoor unit. (For the automatic address setting procedure, refer to section “Automatic address setting from the outdoor unit” for K1 type.)

NOTE

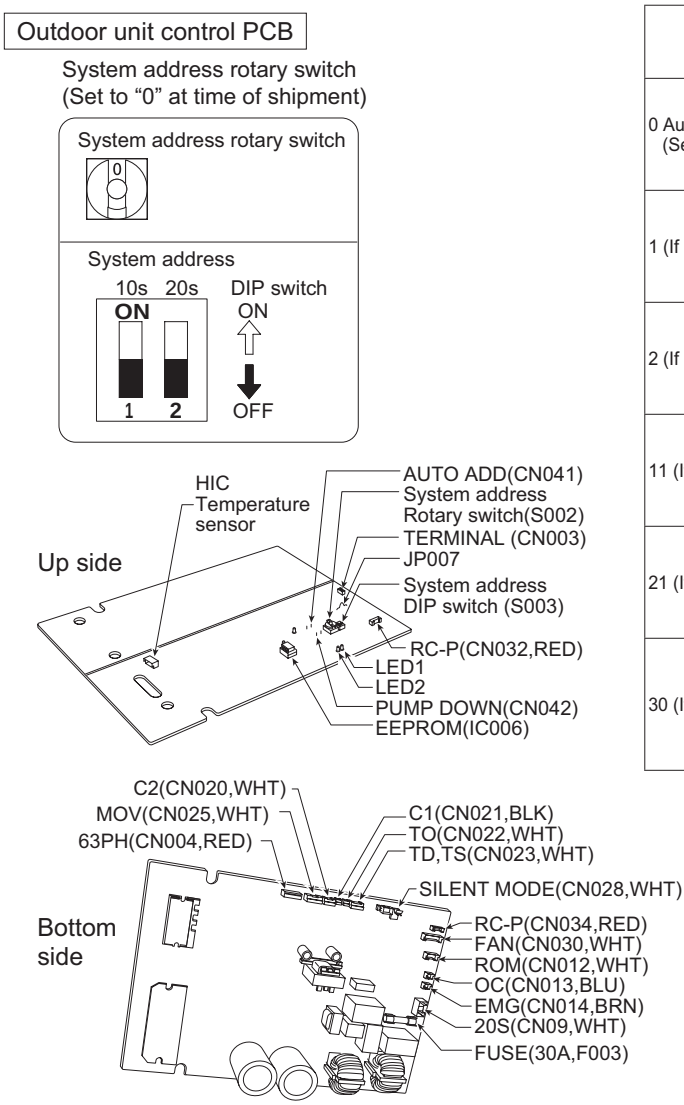
* Models with auxiliary heaters cannot be used for “crossover wiring” of the indoor unit power wires.
(Use a pull box to divide the wiring.)

* Be sure to use the indoor unit temperature sensor (body sensor) when using this control. (Status at shipment)

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Setting the outdoor unit system addresses

For basic wiring diagram 2 (Set the system addresses: 1, 2,...)



System address No.	System address 10s digit (2P DIP switch)	System address 1s place (Rotary switch)
0 Automatic address (Setting at shipment = "0")	Both OFF	"0" setting
1 (If outdoor unit is No. 1)	Both OFF	"1" setting
2 (If outdoor unit is No. 2)	Both OFF	"2" setting
11 (If outdoor unit is No. 11)	10s digit ON	"1" setting
21 (If outdoor unit is No. 21)	20s digit ON	"1" setting
30 (If outdoor unit is No. 30)	10s digit and 20s digit ON	"0" setting

Automatic address setting from the outdoor unit

When there are multiple outdoor units as shown in basic wiring diagram 2

- If the power can be turned ON separately for the indoor and outdoor units in each system:
  The indoor unit addresses can be set without running the compressor.
- Be sure to use a jig for short-circuiting.

(1) Turn ON the indoor and outdoor unit power for refrigerant system 1.

- Short-circuit the AUTO ADD (CN041) pin for 1 second or longer at the outdoor unit where the power was turned ON.

↓

Communication for automatic address setting begins. LED 1 and 2 on the outdoor unit control PCB blink alternately, and turn OFF when address setting is completed.

↓ <Approximately 4 – 5 minutes are required.>

(2) Next, turn ON the power only at the indoor and outdoor units in a different system.

- Short-circuit the AUTO ADD (CN041) pin for 1 second or longer on the outdoor unit.

↓

LED 1 and 2 on the outdoor unit control PCB blink alternately, and turn OFF when address setting is completed.
Repeat the same procedure for each system and complete automatic address setting.

↓

(3) Operation using the remote controller is now possible.

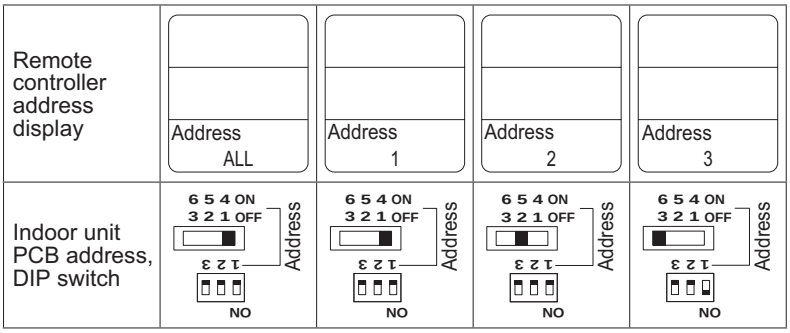
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Indoor unit remote controller main-sub setting

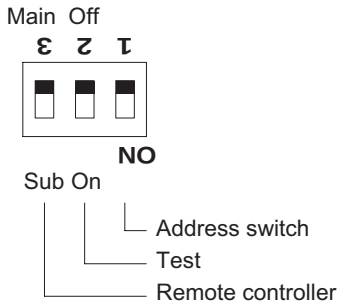
- When multiple wall mounted indoor units are installed for group control in a simultaneous-operation multi system, set the control PCB at the No. 2 and following wall mounted units to “Sub remote control”.
  If a wired remote controller is used, set the wired remote controller to “Sub”.
  If 2 wireless remote controllers are used, set the wireless PCB (DIP switch) on the second remote controller to “Sub”.

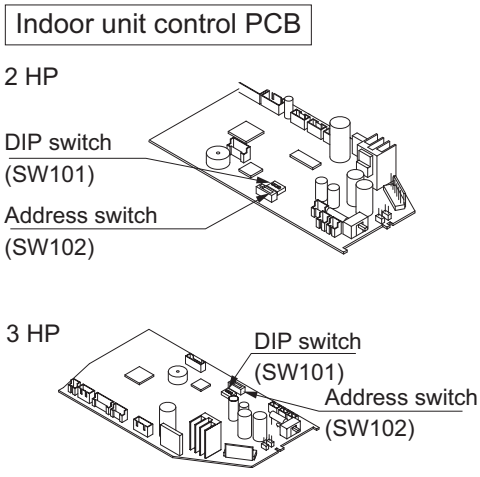
Indoor unit address setting

- If multiple single-type units are installed in the same room, the addresses can be set to prevent signal interference. By coordinating the numbers of the indoor unit (wireless PCB) and remote controller addresses, up to 6 indoor units can be controlled independently by their respective remote controllers.
  Independent control is not possible when a simultaneousoperation multi system is used.
- Checking the addresses
  Press the remote controller address button to display the current address on the remote controller display.
  If this address matches the indoor unit (wireless PCB) address, the buzzer will sound.
  (If ALL is set, the buzzer will always sound.)
  If ALL is set, operation is possible regardless of the indoor unit address.
  Point the remote controller toward the receiver (indoor unit) that you wish to operate, and send the operation signal.
- Remote controller address setting
  Press and hold the address button for 4 seconds or longer to display the address on the remote controller display.
  The current address starts blinking.
  The address changes each time the remote controller address button is pressed: ALL → 1 → 2 → 3 → ... → 6.
  Set the address to match the remote controller you wish to operate.
  When the SET button is pressed, the address stops blinking and displays for 5 seconds.
  The buzzer sounds if the address matches the indoor unit.



For address switches 1, 2, and 3, turn DIP switch 1 to OFF.
For address switches 4, 5, and 6, turn DIP switch 1 to ON.





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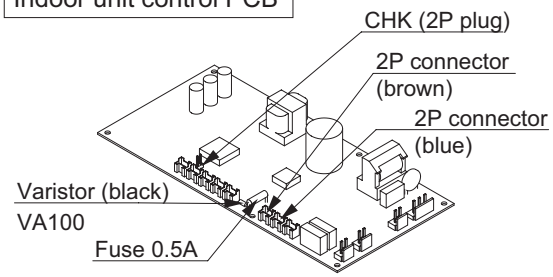
■ U1, T1, F1, N1 Types (for Link Wiring)

Caution

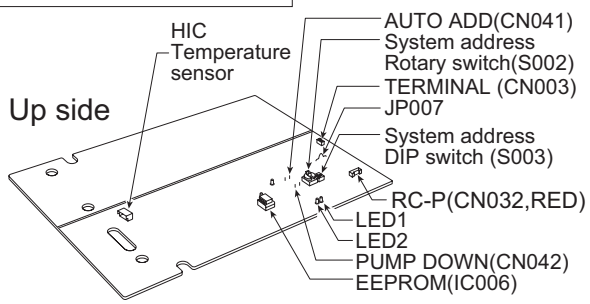
This unit may be used in a single-type refrigerant system where 1 outdoor unit is connected to 1 indoor unit, and also in a system where 1 outdoor unit is connected to multiple indoor units (maximum 2 < Twin >).

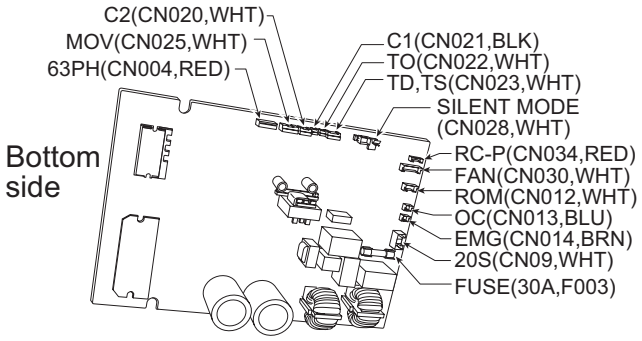
- This test run explanation describes primarily the procedure when using the wired remote controller.
- If link wiring is used, set the outdoor unit system address to allow the combination of indoor and outdoor units to be identified.
  At the same time, indicate the indoor-outdoor unit combination number in a location where it can be checked easily (near the indoor unit nameplates). (This number will be required for subsequent maintenance.)
- Request that the customer be present when the test run is performed. At this time, explain the Operating Instructions and have the customer perform the actual steps.
- Be sure to pass the manuals and warranty certificate to the customer.
- Check that the 220 – 240 V AC wiring is not connected to the inter-unit control wiring connector terminal.
  If 220 – 240 V AC is accidentally applied, the indoor or outdoor unit control PCB fuse will blow in order to protect the PCB. Correct the wiring connections, then disconnect the 2P connectors (indoor: blue, OC) (outdoor: blue, serial 1) that are connected to the PCB, and replace them with 2P connectors (indoor: brown, EMG) (outdoor: brown, serial 2).
  If operation is still not possible after changing the brown connectors, try cutting the varistor (black).
  (Be sure to turn the power OFF before performing this work.)

Indoor unit control PCB



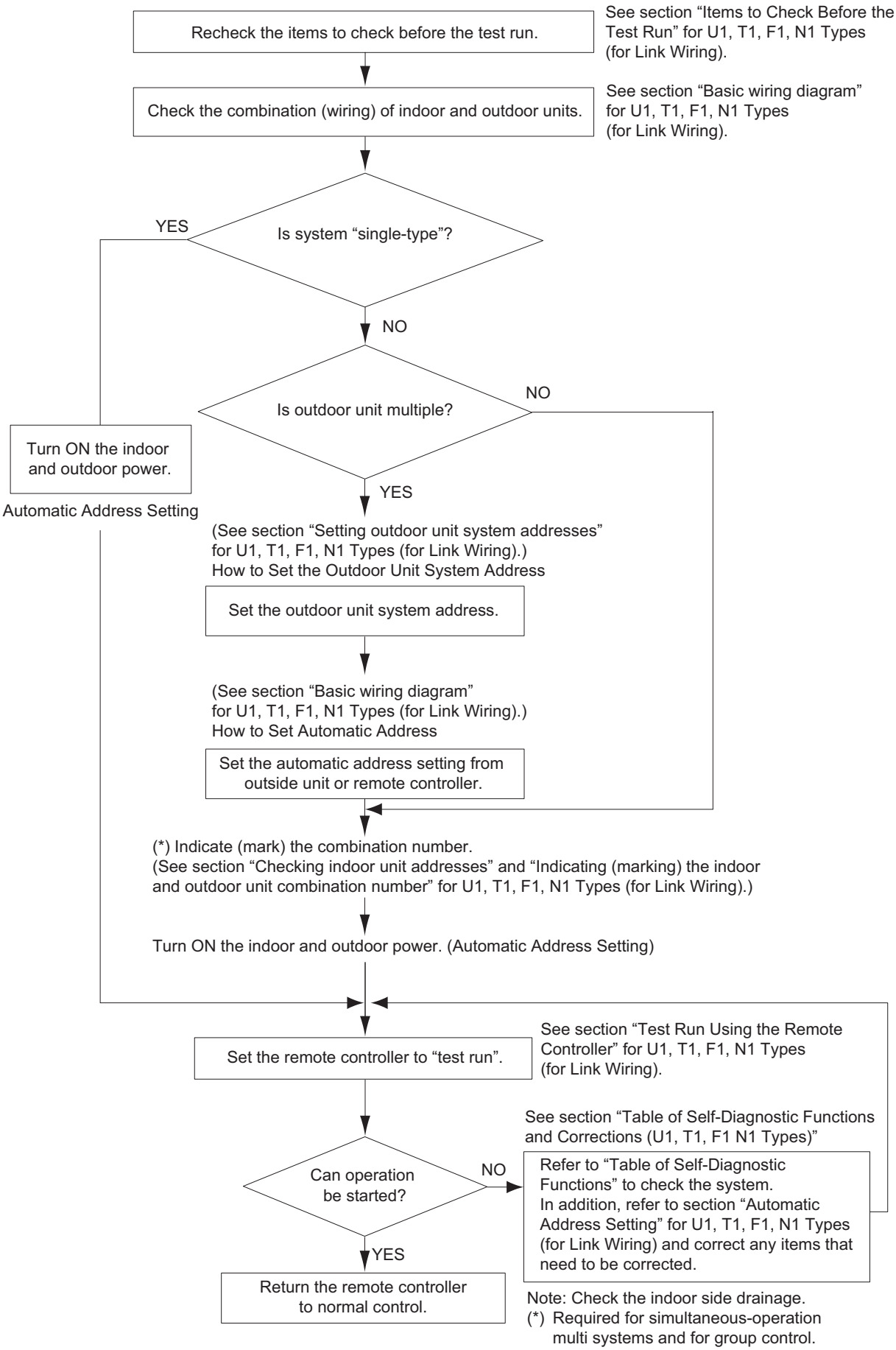
Outdoor unit control PCB





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Test Run Procedure



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Items to Check Before the Test Run

(1) Turn the remote power switch ON at least 12 hours in advance in order to energize the crankcase heater.
(2) Fully open the closed valves on the liquid tube and gas tube sides.

Test Run Using the Remote Controller

(1) Press and hold the remote controller button for 4 seconds or longer. Then press the button.

- "TEST" appears in the LCD display during the test run.
- Temperature control is not possible when test run mode is engaged.
  (This mode places a large load on the devices. Use it only when performing the test run.)

(2) Use either Heating or Cooling mode to perform the test run.

NOTE The outdoor unit will not operate for approximately 3 minutes after the power is turned ON or after it stops operating.

(3) If normal operation is not possible, a code appears on the remote controller LCD display.
Refer to the section "Table of Self-Diagnostic Functions and Corrections" and correct the problem.

(4) After the test run is completed, press the button again.
Check that "TEST" disappears from the LCD display.
(This remote controller includes a function that cancels test run mode after a 60-minute timer has elapsed, in order to prevent continuous test run operation.)

(5) For the test run of an inverter outdoor unit, operate the compressors for a minimum of 10 minutes (in order to check for open phase).

* When performing a test run using a wired remote controller, operation is possible without attaching the cassette-type ceiling panel. ("P09" will not be displayed.)

Table of Self-Diagnostic Functions and Corrections (U1, T1, F1 N1 Types)

Wired remote controller display	**Indoor unit receiver lamp**	Cause Group connection and simultaneous-operation multi (Simultaneous multi system) system	Correction
Nothing is displayed	Nothing is displayed.	● Remote controller is not connected with indoor unit correctly. ● Indoor unit power is not ON.	● Connect the remote controller correctly. ● Turn ON the indoor unit power.
E01 displayed	Operation lamp is blinking.	● Automatic address setting has not been completed. ● Inter-unit control wiring is cut or is not connected correctly. ● Remote controller is not connected with indoor unit correctly.	● Check the remote controller and inter-unit control wiring. ● Perform automatic address setting (See section "Automatic Address Setting" for U1, T1, F1, N1 Types (for Link Wiring).).
E02 displayed		● Remote controller is not connected with indoor unit correctly.	● Connect the remote controller correctly.
E14 displayed		● Remote control communication wiring is cut or is not connected correctly.	● Check the remote control communication wiring. ● Perform automatic address setting again.
E04 displayed	Standby lamp is blinking.	● Indoor-outdoor inter-unit wiring is not connected correctly.	● Connect the wiring correctly.
E06 displayed		● Inter-unit control wiring is cut or is not connected correctly.	● See section "Basic wiring diagram" for U1, T1, F1, N1 Types (for Link Wiring). Basic wiring diagram, and make the correct setting.
E15 displayed		● Indoor unit capacity is too low.	● Check that the total capacities of the indoor and outdoor units are appropriate.
E16 displayed		● Indoor unit capacity is too high.	
P05 displayed	Operation lamp and Standby lamp are blinking alternately.	● Reversed phase at one of the outdoor units in the group. ● Insufficient gas	● Reverse 2 phases of the outdoor unit 3-phase power and connect them correctly. ● Fill up the gas appropriately.
P09 displayed	Timer lamp and Standby lamp are blinking alternately.	● Ceiling panel connector at one of the indoor units in the group is not connected correctly.	● Connect the indoor unit ceiling panel connector correctly.
P12 displayed		● DC fan trouble at one of the indoor units in the group.	● Check whether the fan holder is loose. ● Check the wiring between the DC fan and the PCB.
L02 L13 displayed	Both the Operation lamp and Standby lamp are blinking together.	● Indoor-outdoor unit type mismatch.	● Check that the indoor and outdoor unit types are correct.
L07 displayed		● Remote control communication wiring is connected to the indoor unit, however it is set for individual operation.	● Perform automatic address setting (See section "Automatic Address Setting" for U1, T1, F1, N1 Types (for Link Wiring).).
L10 displayed		● Check outdoor operation with separate maintenance-use remote controller.	

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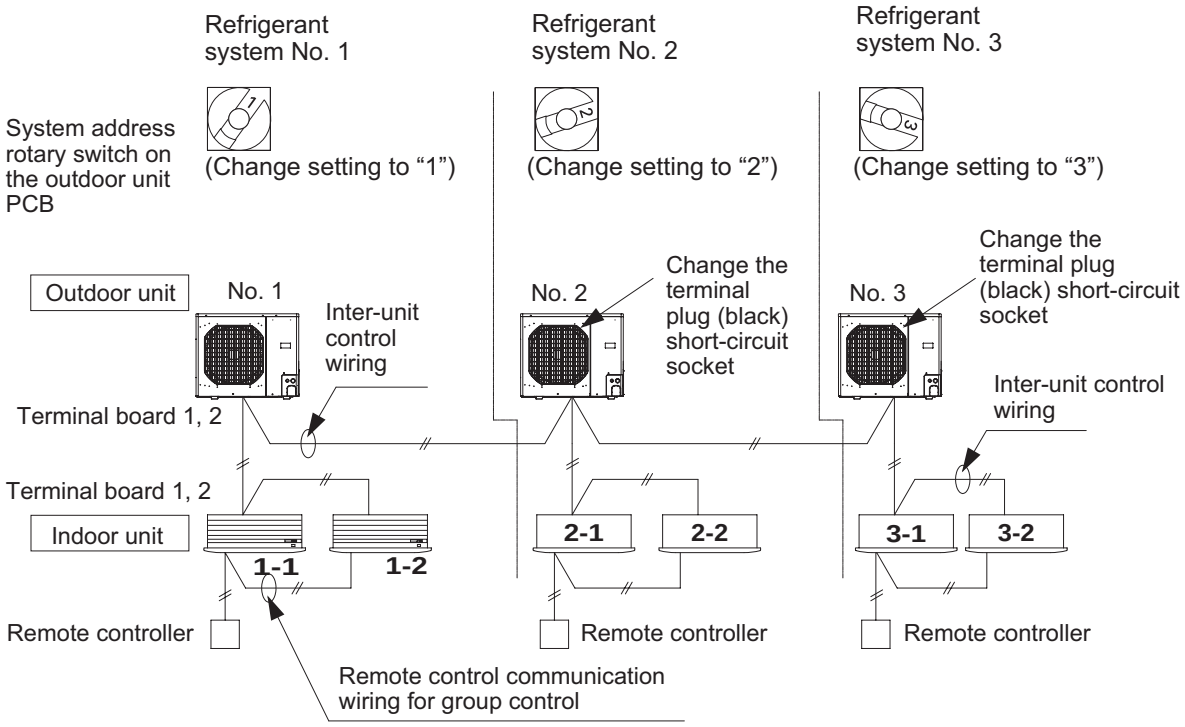
Automatic Address Setting

Basic wiring diagram

- **Link wiring**

NOTE

- **A terminal plug (black) is attached to each of the outdoor unit control PCBs.**
  At only one outdoor unit, leave the terminal plug shortcircuit socket on the "Yes" side.
  At all the other outdoor units, change the socket (from "Yes" to "No").
- A maximum of 8 indoor units can be connected to 1 remote controller for group control.



Automatic address setting from the outdoor unit (U1, T1, F1, N1 types)

Case 1

- If the power can be turned ON separately for the indoor and outdoor units in each system:
  The indoor unit addresses can be set without running the compressor.
- Be sure to use a jig for short-circuiting.

(1) Turn on the indoor and outdoor unit power for refrigerant system 1.
Short-circuit the AUTO ADD (CN041) pin.
↓
Communication for automatic address setting begins.
↓
LED 1 and 2 on the outdoor unit control PCB blink alternately, and turn OFF when address setting is completed.
↓ <Approximately 4 – 5 minutes are required.>

(2) Next, turn ON the power only at the indoor and outdoor units in a different system. Short-circuit the AUTO ADD (CN041) pin.
↓
LED 1 and 2 on the outdoor unit control PCB blink alternately, and turn OFF when address setting is completed.
↓
Repeat the same procedure for each system and complete automatic address setting.
↓

(3) Operation using the remote controller is now possible.

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Case 2

- If the power cannot be turned ON separately for the indoor and outdoor units in each system:
  The compressors must be run in order to automatically set the indoor unit addresses.
  Therefore perform this step after completing the refrigerant tubing work.
- Be sure to use a jig for short-circuiting.

(1) Turn ON the power to the indoor and outdoor units in all refrigerant systems.

↓

When setting addresses in cooling mode

(2) Short-circuit the mode-change pin at the outdoor unit where automatic address setting will be performed.
Short-circuit the AUTO ADD (CN041) pin.

↓

When setting addresses in heating mode

(2) Short-circuit the AUTO ADD (CN041) pin.

↓

(3) LED 1 and 2 blink alternately.
The compressors begin running in Cooling (or Heating) mode.
Communication for automatic address setting begins, using the temperature changes at the indoor units.

<All indoor units are in operating status.>

↓

Address setting is completed when the compressors stop and the LED indicators turn OFF.
<Approximately 15 minutes is required for 1 system.>
If address setting fails, LED 1 and 2 blink simultaneously and the alarm contents are displayed at the remote controller.

(4) After 1 system is completed, be sure to short-circuit the AUTO ADD (CN041) pin at the other outdoor units to complete automatic address setting in the same way for each system.

(5) Operation using the remote controller is now possible.

Automatic address setting using the remote controller

Case 3

- If the power can be turned ON separately for the indoor and outdoor units in each system (indoor unit addresses can be set without running the compressor):

Individual system automatic address setting: Display item code “A1”.

(1) Press the remote controller timer time ▲ button and 🔧 button simultaneously. (Hold for 4 seconds or longer.)

↓

(2) Then press either the temperature setting ▲ or ▼ button. (Confirm that the item code is “A1”.)

↓

(3) Use either the UNIT or ⏱ button to select the outdoor unit to perform automatic address setting for.
Then press the SET button.
(“R.C.1” is displayed, and automatic address setting is performed for refrigerant system 1.)
When automatic address setting for system 1 is completed, the units return to normal stopped status.
<Approximately 4 – 5 minutes are required.>

During automatic address setting, “SETTING” blinks on the remote controller display.
This display disappears when address setting is completed.

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Case 4

- If the power cannot be turned ON separately for the indoor and outdoor units in each system:
  (The compressors must be run in order to automatically set the indoor unit addresses.
  Therefore perform this step after completing the refrigerant tubing work.)

All-systems automatic address setting: Display item code “AA”.

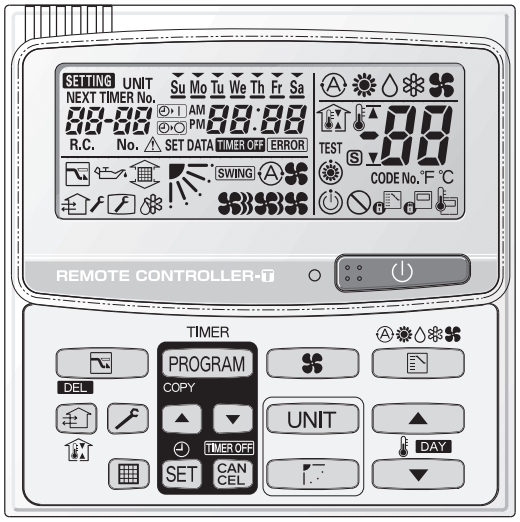
(1) Press the remote controller timer time ▲ button and 🔧 button simultaneously. (Hold for 4 seconds or longer.)

↓

(2) Next press the SET button.
(Automatic address setting is performed in sequence for all outdoor units from No. 1 to No. 30.
When automatic address setting is completed, the units return to normal stopped status.)
<Approximately 15 minutes is required for each system.>

↓

During automatic address setting, “SETTING” blinks on the remote controller display.
This display disappears when address setting is completed.

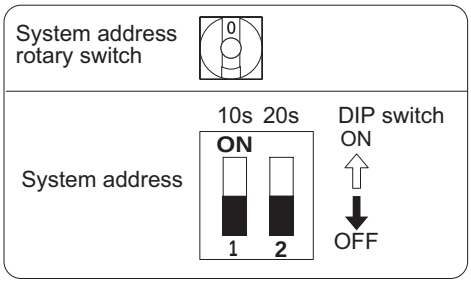


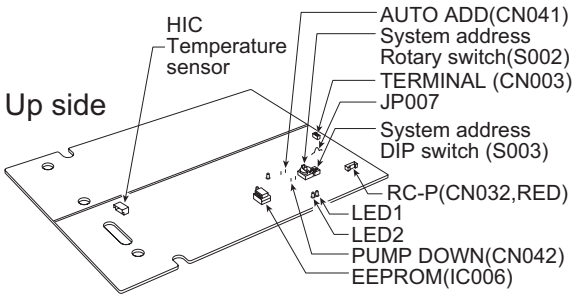
Setting outdoor unit system addresses

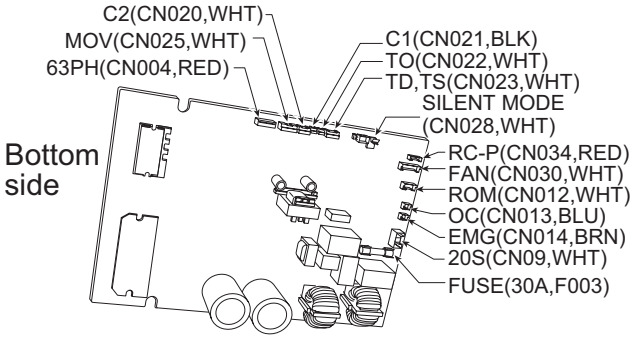
For the basic wiring diagram (Set the system addresses: 1, 2, 3...)

Outdoor unit control PCB

System address rotary switch (Set to “0” at time of shipment)





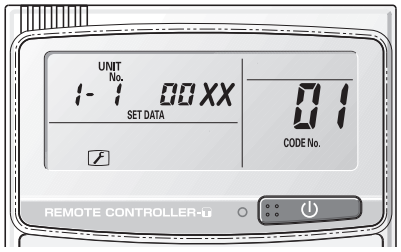


System address No.	System address 10s digit (2P DIP switch)	System address 1s place (Rotary switch)
0 Automatic address (Setting at shipment = “0”)	Both OFF	“0” setting
1 (If outdoor unit is No. 1)	Both OFF	“1” setting
2 (If outdoor unit is No. 2)	Both OFF	“2” setting
11 (If outdoor unit is No. 11)	10s digit ON	“1” setting
21 (If outdoor unit is No. 21)	20s digit ON	“1” setting
30 (If outdoor unit is No. 30)	10s digit and 20s digit ON	“0” setting

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Checking indoor unit addresses

Use the remote controller to check the addresses of the indoor units.
Press and hold the button and button for 4 seconds or longer (simple settings mode, “ALL” appears on the remote controller).



Then press the UNIT button and select the indoor address.
(For the system addresses of the No. 1 outdoor unit, each time the button is pressed, the address changes as follows: 1-1, 1-2)
The indoor unit fan operates only at the selected indoor unit.
Confirm the indoor unit address. (For the system addresses of the No. 2 outdoor unit, the displayed addresses are 2-1, 2-2)
Press the button again to return to the normal remote controller mode.

Indicating (marking) the indoor and outdoor unit combination number

Indicate (mark) the number after automatic address setting is completed.

(1) So that the combination of each indoor unit can be easily checked when multiple units are installed, ensure that the indoor and outdoor unit numbers correspond to the system address number on the outdoor unit control PCB, and use a magic marker or similar means which cannot be easily removed to indicate the numbers in an easily visible location on the indoor units (near the indoor unit nameplates).

Example: (Outdoor) 1 – (Indoor) 1, 2
(Outdoor) 2 – (Indoor) 1, 2

(2) These numbers will be needed for maintenance.
Be sure to indicate them.

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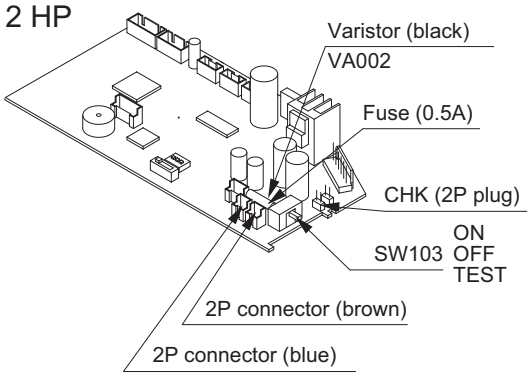
■ K1 Type (for Link Wiring)

Caution

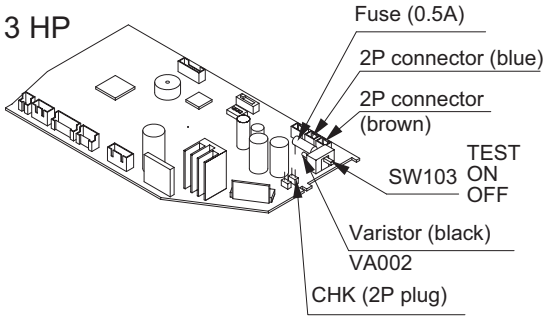
- **This unit may be used in a single-type refrigerant system where 1 outdoor unit is connected to 1 indoor unit, and also in a system where 1 outdoor unit is connected to multiple indoor units (maximum 2).**
- If link wiring is used, set the outdoor unit system address to allow the combination of indoor and outdoor units to be identified.
  At the same time, indicate the indoor-outdoor unit combination number in a location where it can be checked easily (near the indoor unit nameplates). (This number will be required for subsequent maintenance.
  Refer to section “Checking indoor unit addresses” and “Indicating (marking) the indoor and outdoor unit combination number” for K1 Type (for Link Wiring).)
- Request that the customer be present when the test run is performed. At this time, explain the Operating Instructions and have the customer perform the actual steps.
- Be sure to pass the manuals and warranty certificate to the customer.
- Check that the 220 – 240 V AC wiring is not connected to the inter-unit control wiring connector terminal.
  If 220 – 240 V AC is accidentally applied, the indoor or outdoor unit control PCB fuse (0.5 A for both indoor and outdoor units) will blow in order to protect the PCB.
  Correct the wiring connections, then disconnect the 2P connectors (indoor: blue, OC) (outdoor: blue, serial 1) that are connected to the PCB, and replace them with 2P connectors (indoor: brown, EMG) (outdoor: brown, serial 2).
  If operation is still not possible after changing the brown connectors, cut off the jumper (outdoor unit : JP007) or the varistor (indoor unit) on the PCB.
  (Be sure to turn the power OFF before performing this work.)

Indoor unit control PCB

2 HP

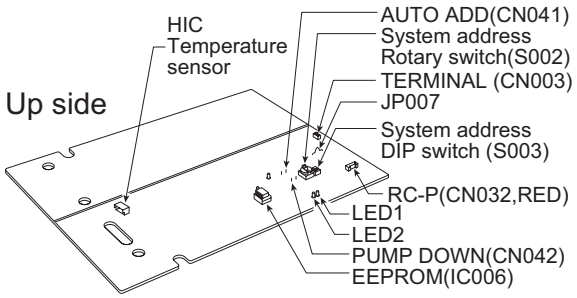


3 HP

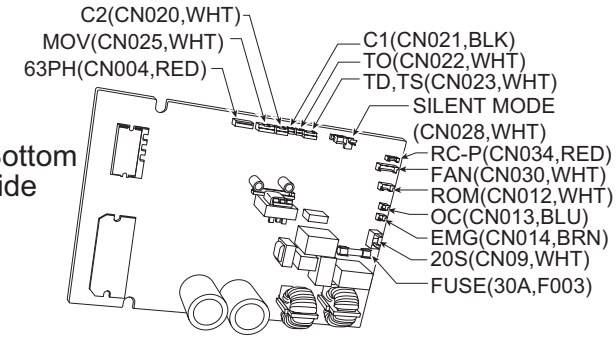


Outdoor unit control PCB

Up side

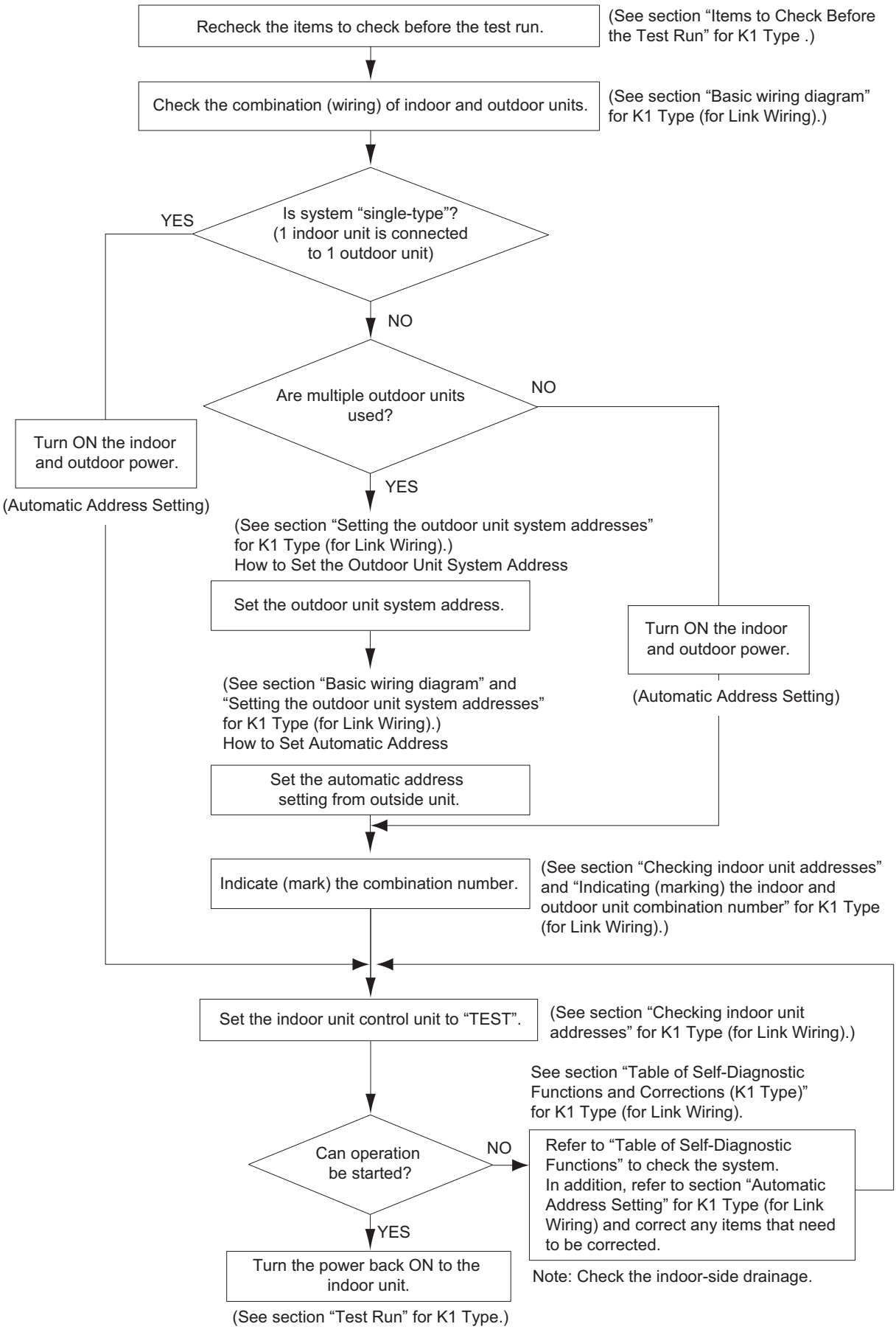


Bottom side



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Test Run Procedure



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Table of Self-Diagnostic Functions and Corrections (K1 Type)

Wired remote controller display	**Indoor unit receiver lamp**	Cause Group connection and simultaneous-operation multi system	Correction
Nothing is displayed	Nothing is displayed.	●Remote controller is not connected with indoor unit correctly. ●Indoor unit power is not ON.	● Connect the remote controller correctly. ● Turn ON the indoor unit power.
E01 displayed	Operation lamp is blinking.	●Automatic address setting has not been completed. ●Inter-unit control wiring is cut or is not connected correctly. ●Remote controller is not connected with indoor unit correctly.	● Check the remote controller and inter-unit control wiring. ● Perform automatic address setting. (See section “Automatic Address Setting” for K1 Types (for Link Wiring).).
E02 displayed		●Remote controller is not connected with indoor unit correctly.	● Connect the remote controller correctly.
E14 displayed		●Remote control communication wiring is cut or is not connected correctly.	● Check the remote control communication wiring. ● Perform automatic address setting again.
E04 displayed	Standby lamp is blinking.	●Indoor-outdoor inter-unit wiring is not connected correctly.	● Connect the wiring correctly.
E06 displayed		●Inter-unit control wiring is cut or is not connected correctly.	● See section “Basic wiring diagram” for K1 Types (for Link Wiring). Basic wiring diagram, and make thecorrect setting.
E15 displayed		●Indoor unit capacity is too low.	● Check that the total capacities of the indoor and outdoor units are appropriate.
E16 displayed		●Indoor unit capacity is too high.	
P05 displayed	Timer lamp and Standby lamp are blinking alternately.	●Reversed phase or open phase in the 3-phase power at one of the outdoor units in the group. ●Insufficient gas	● Reverse 2 phases of the outdoor unit 3-phase power and connect them correctly. ● Fill up the gas appropriately.
P09 displayed	Timer lamp and Standby lamp are blinking alternately.	●Ceiling panel connector at one of the indoor units in the group is not connected correctly.	● Connect the indoor unit ceiling panel connector correctly.
P12 displayed		●DC fan trouble at one of the indoor units in the group.	● Check whether the fan holder is loose. ● Check the wiring between the DC fan and the PCB.
L02 **L13** displayed	Both the Operation lamp and Standby lamp are blinking together.	●Indoor-outdoor unit type mismatch.	● Check that the indoor and outdoor unit types are correct.
L07 displayed		●Remote control communication wiring is connected to the indoor unit, however it is set for individual operation.	● Perform automatic address setting. (See section “Automatic Address Setting” for K1 Type (for Link Wiring).)
L10 displayed		●Check outdoor operation with separate maintenance-use remote controller.	

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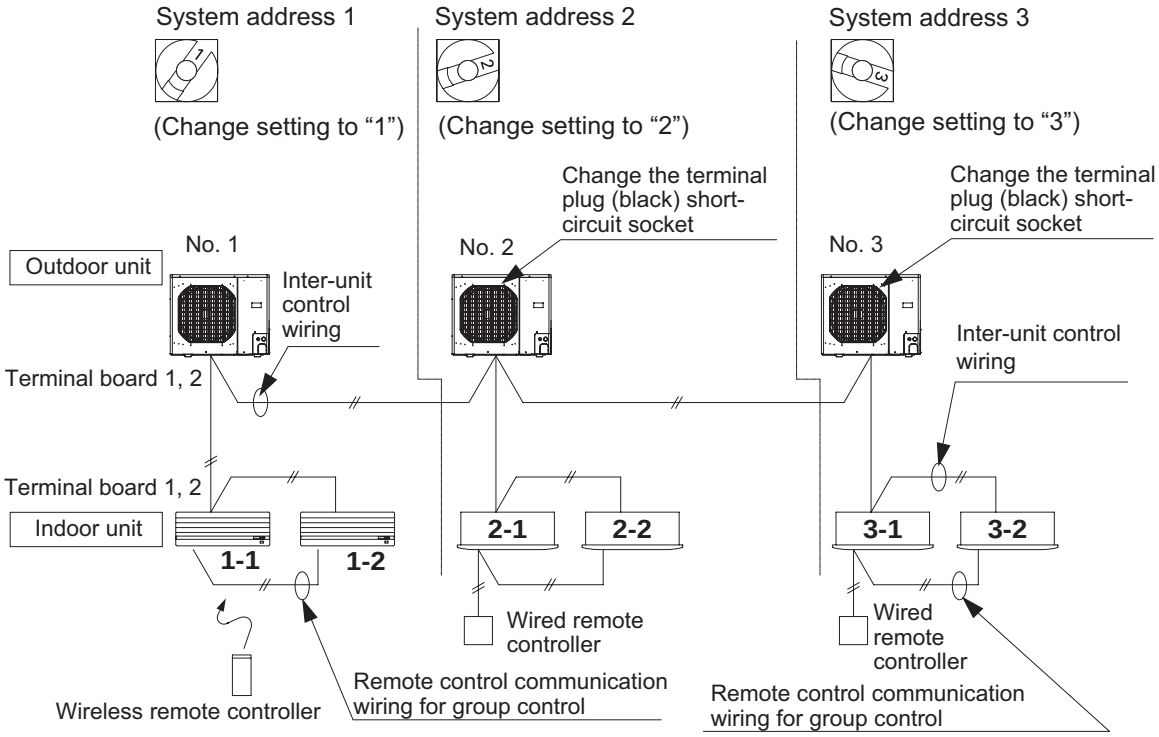
Automatic Address Setting

Basic wiring diagram

- **Link wiring**

NOTE

- A terminal plug (black) is attached to each of the outdoor unit control PCBs.
  At only 1 outdoor unit, leave the terminal plug short-circuit socket on the “Yes” side.
  At all the other outdoor units, change the socket (from “Yes” to “No”).
- A maximum of 8 indoor units can be connected to 1 remote controller for group control.



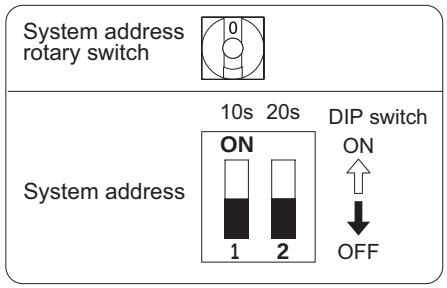
* If wall mounted type units are used for a simultaneous-operation multi system (group control), refer to section “System Control” for K1 Type.
System Control (basic wiring diagrams and wiring procedures) when wiring.

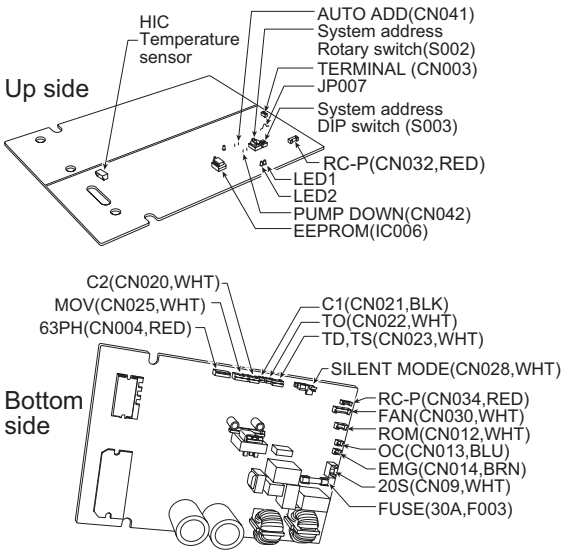
Setting the outdoor unit system addresses

For basic wiring diagram (Set the system addresses: 1, 2, 3...)

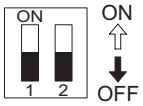
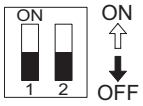
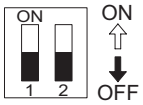
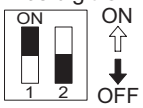
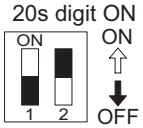
Outdoor unit control PCB

System address rotary switch
(Set to “0” at time of shipment)





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System address No.	System address 10s digit (2P DIP switch)	System address 1s place (Rotary switch)
0 Automatic address (Setting at shipment = "0")	Both OFF 	"0" setting 
1 (If outdoor unit is No. 1)	Both OFF 	"1" setting 
2 (If outdoor unit is No. 2)	Both OFF 	"2" setting 
11 (If outdoor unit is No. 11)	10s digit ON 	"1" setting 
21 (If outdoor unit is No. 21)	20s digit ON 	"1" setting 
30 (If outdoor unit is No. 30)	10s digit and 20s digit ON 	"0" setting 

Case 1

- If the power can be turned ON separately for the indoor and outdoor units in each system:
  The indoor unit addresses can be set without running the compressor.
- Be sure to use a jig for short-circuiting.

Automatic address setting from the outdoor unit (K1 type)

(1) Turn on the indoor and outdoor unit power for refrigerant system 1.
Short-circuit the AUTO ADD (CN041) pin.
The compressor operates when the power is turned ON at a different outdoor unit.
↓
Communication for automatic address setting begins.
↓
LED 1 and 2 on the outdoor unit control PCB blink alternately, and turn OFF when address setting is completed.
↓ <Approximately 4 – 5 minutes are required.>

(2) Next, turn ON the power only at the indoor and outdoor units in a different system.
Short-circuit the AUTO ADD (CN041) pin.
↓
LED 1 and 2 on the outdoor unit control PCB blink alternately, and turn OFF when address setting is completed.
↓
Repeat the same procedure for each system and complete automatic address setting.
↓

(3) Operation using the remote controller is now possible.

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Case 2

- If the power cannot be turned ON separately for the indoor and outdoor units in each system:
  The compressors must be run in order to automatically set the indoor unit addresses.
  Therefore perform this step after completing the refrigerant tubing work.
- Be sure to use a jig for short-circuiting.

(1) Turn ON the power to the indoor and outdoor units in all refrigerant systems.

↓

When setting addresses in cooling mode

(2) Short-circuit the mode-change pin at the outdoor unit where automatic address setting will be performed.
Short-circuit the AUTO ADD (CN041) pin.

↓

When setting addresses in heating mode

(2) Short-circuit the AUTO ADD (CN041) pin.

↓

(3) LED 1 and 2 blink alternately.
The compressors begin running in cool (or heat) mode.
Communication for automatic address setting begins, using the temperature changes at the indoor units.

↓

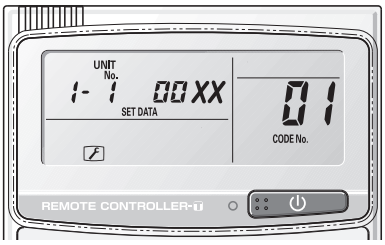
Address setting is completed when the compressors stop and the LED indicators turn OFF.
<Approximately 15 minutes is required for 1 system.>
If address setting fails, LED 1 and 2 blink simultaneously and the alarm contents are displayed at the remote controller.

(4) After 1 system is completed, be sure to short-circuit the AUTO ADD (CN041) pin at the other outdoor units to complete automatic address setting in the same way for each system.

(5) Operation using the remote controller is now possible.

Checking indoor unit addresses

Use the remote controller to check the addresses of the indoor units.
Press and hold the [wrench] button and [home] button for 4 seconds or longer (simple settings mode, "ALL" appears on the remote controller).
Then press the UNIT button and select the indoor address.
(For the system addresses of the No. 1 outdoor unit, each time the button is pressed, the address changes as follows: 1-1, 1-2)
The indoor unit fan operates only at the selected indoor unit.
Confirm the indoor unit address.
(For the system addresses of the No. 2 outdoor unit, the displayed addresses are 2-1, 2-2)
Press the [wrench] button again to return to the normal remote controller mode.



Indicating (marking) the indoor and outdoor unit combination number

Indicate (mark) the number after automatic address setting is completed.

(1) So that the combination of each indoor unit can be easily checked when multiple units are installed, ensure that the indoor and outdoor unit numbers correspond to the system address number on the outdoor unit control PCB, and use a magic marker or similar means which cannot be easily removed to indicate the numbers in an easily visible location on the indoor units (near the indoor unit nameplates).

Example: (Outdoor) 1 – (Indoor) 1, 2
(Outdoor) 2 – (Indoor) 1, 2

(2) These numbers will be needed for maintenance.
Be sure to indicate them.

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Remote controller setting mode

To set the remote controller main/sub setting or change the sensor, follow the steps below.

(1) Press both [ ] and [SET] buttons on the remote controller for more than 4 seconds together.

(2) Select CODE No. with [▲] / [▼] ([🌡]) buttons.

(3) Change DATA with [▲] / [▼] (TIMER) buttons.

(4) Press [SET] . Finally, press [🔧] .

* DATA is memorized in the RCU. (DATA setting will not be changed even when the power is turned off.)

* Make sure to set [Normal] for RCU. CK.

CODE ITEM	ITEM	DATA	
		0000	0001
01	RCU. Main/Sub	Sub	Main
02	Clock display	24 hours	12 hours (AM/PM)
08	RCU. CK	RCU. CK	Normal
0A	Room temperature sensor	Main unit	RCU

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■ **Y1 Type (for Link Wiring)**

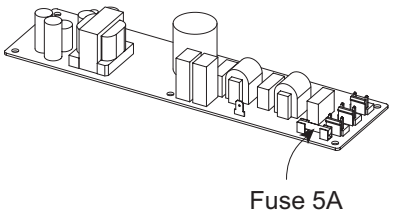
Caution

This unit may be used in a single-type refrigerant system where 1 outdoor unit is connected to 1 indoor unit, and also in a system where 1 outdoor unit is connected to multiple indoor units (maximum 2 < Twin >).

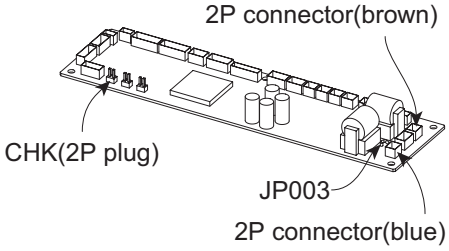
- This test run explanation describes primarily the procedure when using the wired remote controller.
- If link wiring is used, set the outdoor unit system address to allow the combination of indoor and outdoor units to be identified.
  At the same time, indicate the indoor-outdoor unit combination number in a location where it can be checked easily (near the indoor unit nameplates). (This number will be required for subsequent maintenance.
  Refer to section “Setting outdoor unit system addresses”, “Checking indoor unit addresses” and “Indicating (marking) the indoor and outdoor unit combination number” for Y1 Type (for Link Wiring).)
- Request that the customer be present when the test run is performed. At this time, explain the Operating Instructions and have the customer perform the actual steps.
- Be sure to pass the manuals and warranty certificate to the customer.
- Check that the 220 – 240 V AC wiring is not connected to the inter-unit control wiring connector terminal.
  If 220 – 240 V AC is accidentally applied, the indoor or outdoor unit control PCB fuse will blow in order to protect the PCB.
  Correct the wiring connections, then disconnect the 2P connectors (blue, OC) that are connected to the PCB, and replace them with 2P connectors (brown, EMG).
  If operation is still not possible after changing the brown connectors, cut the JP003 for the indoor unit, and cut the JP007 for the outdoor unit.
  (Be sure to turn the power OFF before performing this work.)

Indoor unit control PCB

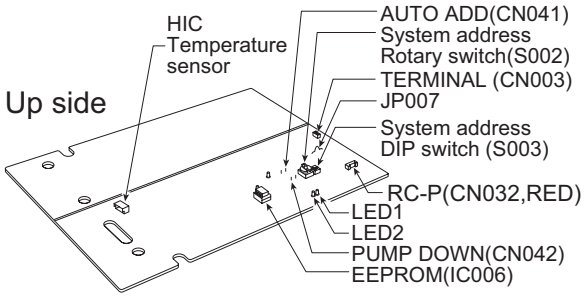
Power PCB

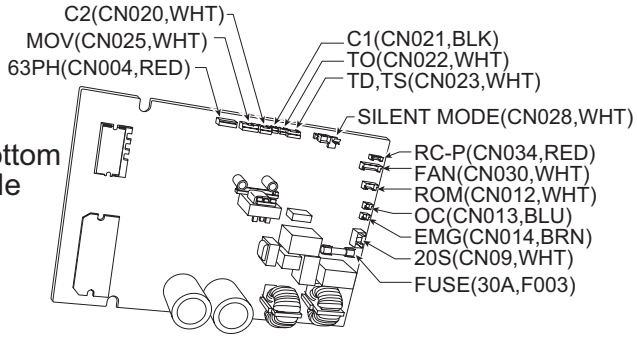


Control PCB



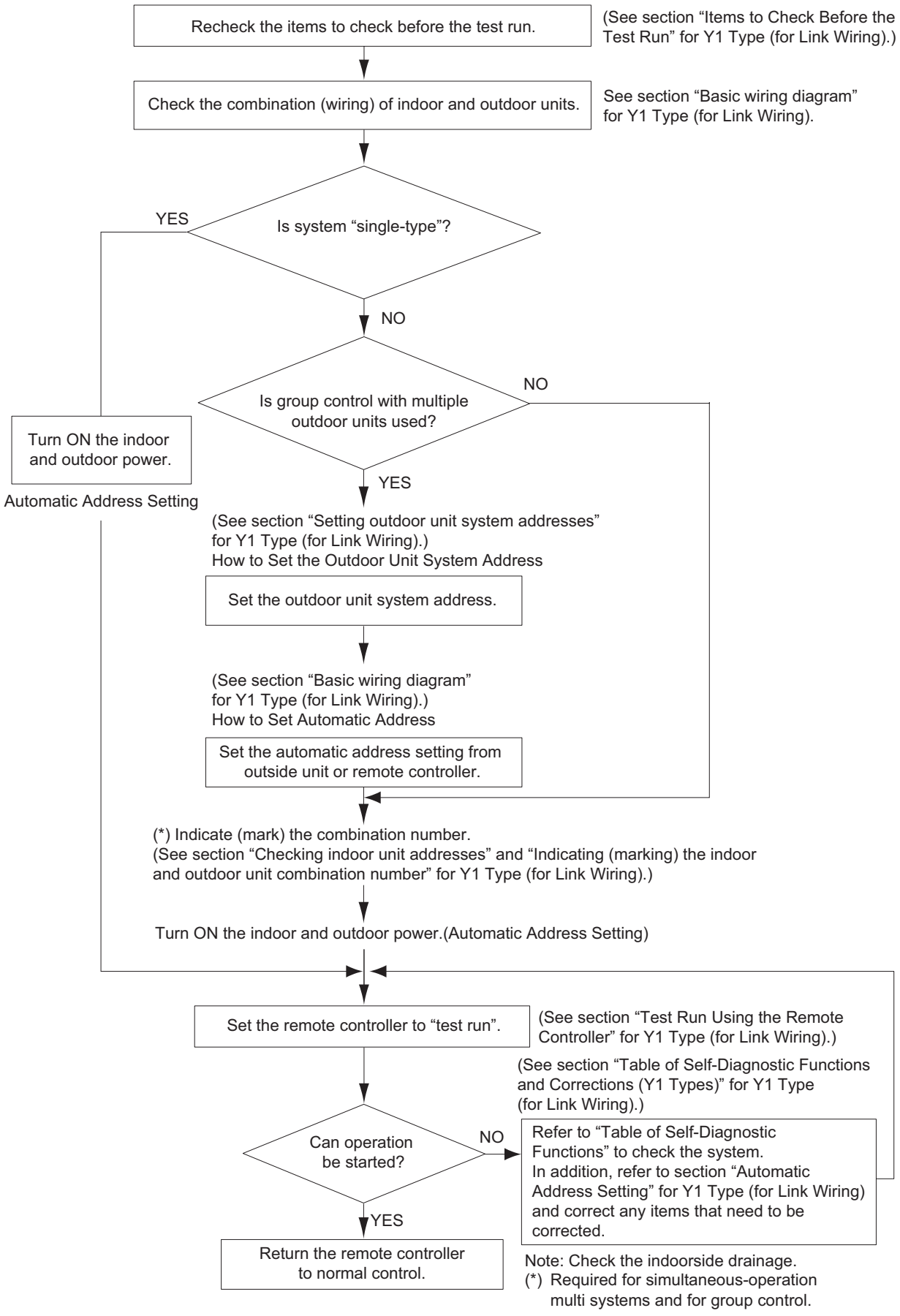
Outdoor unit control PCB





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Test Run Procedure



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Items to Check Before the Test Run

(1) Turn the remote power switch ON at least 12 hours in advance in order to energize the crankcase heater.
(2) Fully open the closed valves on the liquid-tube and gas-tube sides.

Test Run Using the Remote Controller

(1) Press and hold the remote controller button for 4 seconds or longer. Then press the button.
- "TEST" appears in the LCD display during the test run.
- Temperature control is not possible when test run mode is engaged.
  (This mode places a large load on the devices. Use it only when performing the test run.)

(2) Use either Heating or Cooling mode to perform the test run.

NOTE The outdoor unit will not operate for approximately 3 minutes after the power is turned ON or after it stops operating.

(3) If normal operation is not possible, a code appears on the remote controller LCD display.
Refer to "Table of Self-Diagnostic Functions and Corrections" and correct the problem.

(4) After the test run is completed, press the button again.
Check that "TEST" disappears from the LCD display.
(This remote controller includes a function that cancels test run mode after a 60-minute timer has elapsed, in order to prevent continuous test run operation.)

(5) For the test run of an inverter outdoor unit, operate the compressors for a minimum of 10 minutes (in order to check for open phase).
* When performing a test run using a wired remote controller, operation is possible without attaching the cassette-type ceiling panel. ("P09" will not be displayed.)

Table of Self-Diagnostic Functions and Corrections (Y1 Type)

Wired remote controller display	Indoor unit receiver lamp	Cause	Correction
		Group connection and simultaneous-operation multi system	
Nothing is displayed	Nothing is displayed.	● Remote controller is not connected with indoor unit correctly. ● Indoor unit power is not ON.	● Connect the remote controller correctly. ● Turn ON the indoor unit power.
E01 displayed	Operation lamp is blinking.	● Automatic address setting has not been completed. ● Inter-unit control wiring is cut or is not connected correctly. ● Remote controller is not connected with indoor unit correctly.	● Check the remote controller and inter-unit control wiring. ● Perform automatic address setting (See section "Automatic Address Setting" for Y1 Type (for Link Wiring).).
E02 displayed		● Remote controller is not connected with indoor unit correctly.	● Connect the remote controller correctly.
E14 displayed		● Remote control communication wiring is cut or is not connected correctly.	● Check the remote control communication wiring. ● Perform automatic address setting again.
E04 displayed	Standby lamp is blinking.	● Indoor-outdoor inter-unit wiring is not connected correctly.	● Connect the wiring correctly.
E06 displayed		● Indoor-outdoor inter-unit wiring is cut or is not connected correctly.	● See section "Basic wiring diagram" for Y1 Type (for Link Wiring). Basic wiring diagram, and make the correct settings.
E15 displayed		● Indoor unit capacity is too low.	● Check that the total capacities of the indoor and outdoor units are appropriate.
E16 displayed		● Indoor unit capacity is too high.	
P05 displayed	Operation lamp and Standby lamp are blinking alternately.	● Reversed phase at one of the outdoor units in the group. ● Insufficient gas	● Check that the CT sensor is not disconnected, and make sure it is inserted. ● Fill up the gas appropriately.
P09 displayed	Timer lamp and Standby lamp are blinking alternately.	● Ceiling panel connector at one of the indoor units in the group is not connected correctly.	● Connect the indoor unit ceiling panel connector correctly.
P12 displayed		● DC fan trouble at one of the indoor units in the group.	● Check whether the fan holder is loose. ● Check the wiring between the DC fan and the PCB.
L02 L13 displayed	Both the Operation lamp and Standby lamp are blinking together.	● Indoor-outdoor unit type mismatch.	● Check that the indoor and outdoor unit types are correct.
L07 displayed		● Remote control communication wiring is connected to the indoor unit, however it is set for individual operation.	● Perform automatic address setting (See section "Automatic Address Setting" for Y1 Type (for Link Wiring).).
L10 displayed		● Check outdoor operation with separate maintenance-use remote controller.	

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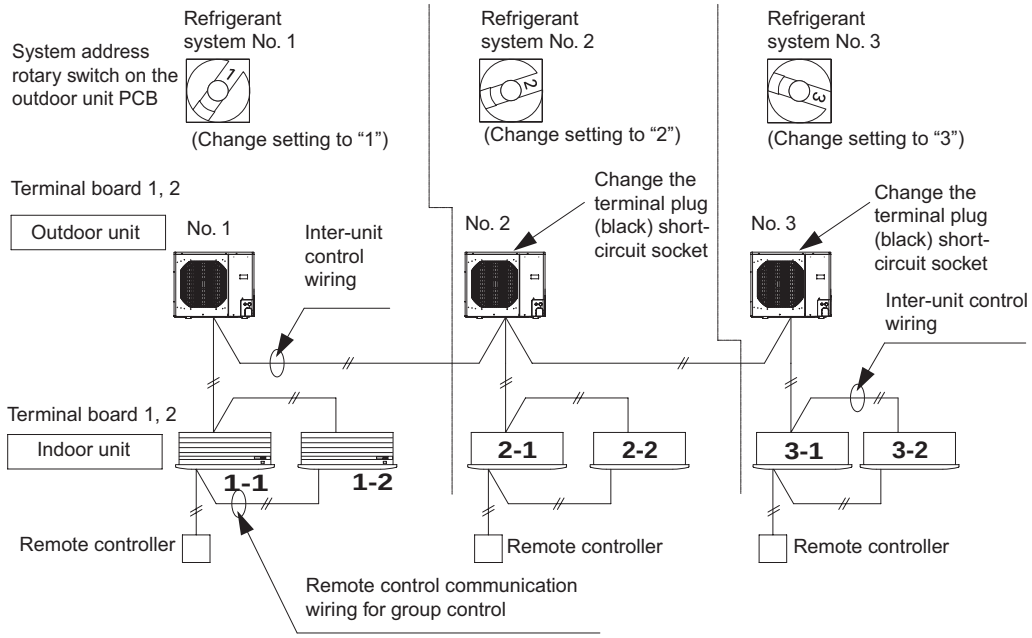
Automatic Address Setting

Basic wiring diagram

- **Link wiring**

NOTE

- A terminal plug (black) is attached to each of the outdoor unit control PCBs.
  At only one outdoor unit, leave the terminal plug short-circuit socket on the “Yes” side.
  At all the other outdoor units, change the socket (from “Yes” to “No”).
- A maximum of 8 indoor units can be connected to 1 remote controller for group control.



Automatic address setting from the outdoor unit (Y1 type)

Case 1

- If the power can be turned ON separately for the indoor and outdoor units in each system:
  The indoor unit addresses can be set without running the compressor.
- Be sure to use a jig for short-circuiting.

(1) Turn on the indoor and outdoor unit power for refrigerant system 1.
Short-circuit the AUTO ADD (CN041) pin.
↓
Communication for automatic address setting begins.
↓
LED 1 and 2 on the outdoor unit control PCB blink alternately, and turn OFF when address setting is completed.
↓ <Approximately 4 – 5 minutes are required.>

(2) Next, turn ON the power only at the indoor and outdoor units in a different system. Short-circuit the AUTO ADD (CN041) pin.
↓
LED 1 and 2 on the outdoor unit control PCB blink alternately, and turn OFF when address setting is completed.
↓
Repeat the same procedure for each system and complete automatic address setting.
↓

(3) Operation using the remote controller is now possible.

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Case 2

- If the power cannot be turned ON separately for the indoor and outdoor units in each system:
  The compressors must be run in order to automatically set the indoor unit addresses.
  Therefore perform this step after completing the refrigerant tubing work.
- Be sure to use a jig for short-circuiting.

(1) Turn ON the power to the indoor and outdoor units in all refrigerant systems.

↓

When setting addresses in cooling mode

(2) Short-circuit the mode-change pin at the outdoor unit where automatic address setting will be performed.
Short-circuit the AUTO ADD (CN041) pin.

↓

When setting addresses in heating mode

(2) Short-circuit the AUTO ADD (CN041) pin.

↓

(3) LED 1 and 2 blink alternately.
The compressors begin running in Cooling (or Heating) mode.
Communication for automatic address setting begins, using the temperature changes at the indoor units.

<All indoor units are in operating status.>

↓

Address setting is completed when the compressors stop and the LED indicators turn OFF.
<Approximately 15 minutes is required for 1 system.>
If address setting fails, LED 1 and 2 blink simultaneously and the alarm contents are displayed at the remote controller.

(4) After 1 system is completed, be sure to short-circuit the AUTO ADD (CN041) pin at the other outdoor units to complete automatic address setting in the same way for each system.

(5) Operation using the remote controller is now possible.

Automatic address setting using the remote controller

Case 3

- If the power can be turned ON separately for the indoor and outdoor units in each system (indoor unit addresses can be set without running the compressor):

Individual system automatic address setting: Display item code “A1”.

(1) Press the remote controller timer time ▲ button and 🔧 button simultaneously. (Hold for 4 seconds or longer.)

↓

(2) Then press either the temperature setting ▲ or ▼ button. (Confirm that the item code is “A1”.)

↓

(3) Use either the UNIT or ⏱ button to select the outdoor unit to perform automatic address setting for.
Then press the SET button.
(“R.C.1” is displayed, and automatic address setting is performed for refrigerant system 1.)
When automatic address setting for system 1 is completed, the units return to normal stopped status.
<Approximately 4 – 5 minutes are required.>

During automatic address setting, “SETTING” blinks on the remote controller display.
This display disappears when address setting is completed.

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Case 4

- If the power cannot be turned ON separately for the indoor and outdoor units in each system:
  (The compressors must be run in order to automatically set the indoor unit addresses.
  Therefore perform this step after completing the refrigerant tubing work.)

All-systems automatic address setting: Display item code “AA”.

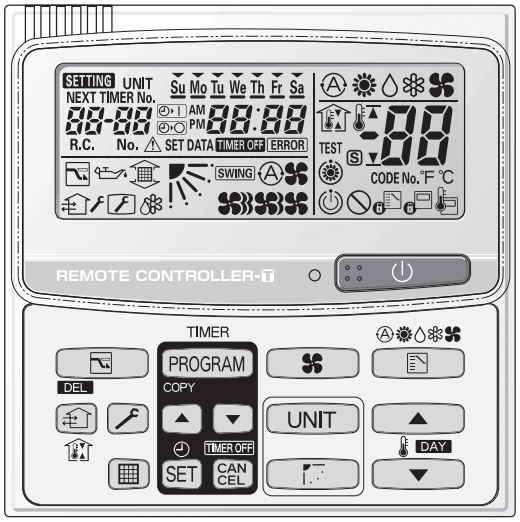
(1) Press the remote controller timer time ▲ button and 🔧 button simultaneously. (Hold for 4 seconds or longer.)

↓

(2) Next press the SET button.
(Automatic address setting is performed in sequence for all outdoor units from No. 1 to No. 30.
When automatic address setting is completed, the units return to normal stopped status.)
<Approximately 15 minutes is required for each system.>

↓

During automatic address setting, “SETTING” blinks on the remote controller display.
This display disappears when address setting is completed.

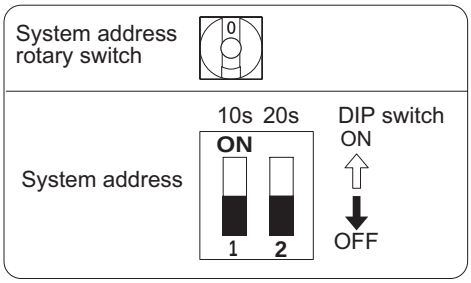


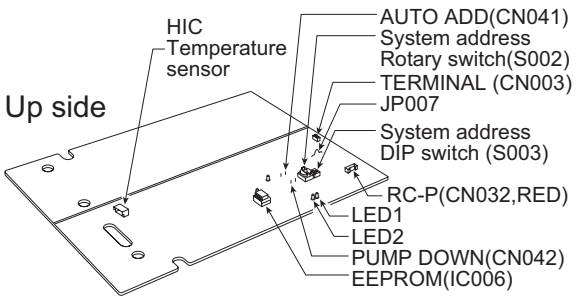
Setting outdoor unit system addresses

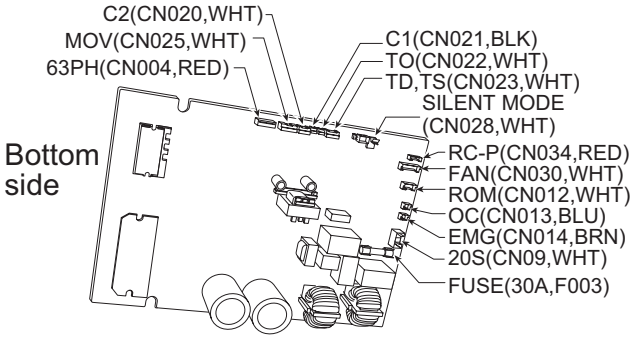
For the basic wiring diagram (Set the system addresses: 1, 2, 3...)

Outdoor unit control PCB

System address rotary switch (Set to “0” at time of shipment)





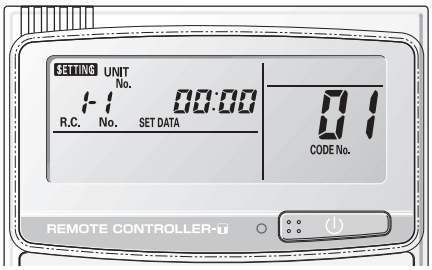


System address No.	System address 10s digit (2P DIP switch)	System address 1s place (Rotary switch)
0 Automatic address (Setting at shipment = “0”)	Both OFF	“0” setting
1 (If outdoor unit is No. 1)	Both OFF	“1” setting
2 (If outdoor unit is No. 2)	Both OFF	“2” setting
11 (If outdoor unit is No. 11)	10s digit ON	“1” setting
21 (If outdoor unit is No. 21)	20s digit ON	“1” setting
30 (If outdoor unit is No. 30)	10s digit and 20s digit ON	“0” setting

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Checking indoor unit addresses

Use the remote controller to check the addresses of the indoor units.
Press and hold the button and button for 4 seconds or longer (simple settings mode, “ALL” appears on the remote controller).



Then press the UNIT button and select the indoor address.
(For the system addresses of the No. 1 outdoor unit, each time the button is pressed, the address changes as follows: 1-1, 1-2)
The indoor unit fan operates only at the selected indoor unit.
Confirm the indoor unit address. (For the system addresses of the No. 2 outdoor unit, the displayed addresses are 2-1, 2-2)
Press the button again to return to the normal remote controller mode.

Indicating (marking) the indoor and outdoor unit combination number

Indicate (mark) the number after automatic address setting is completed.

(1) So that the combination of each indoor unit can be easily checked when multiple units are installed, ensure that the indoor and outdoor unit numbers correspond to the system address number on the outdoor unit control PCB, and use a magic marker or similar means which cannot be easily removed to indicate the numbers in an easily visible location on the indoor units (near the indoor unit nameplates).

Example: (Outdoor) 1 – (Indoor) 1, 2
(Outdoor) 2 – (Indoor) 1, 2

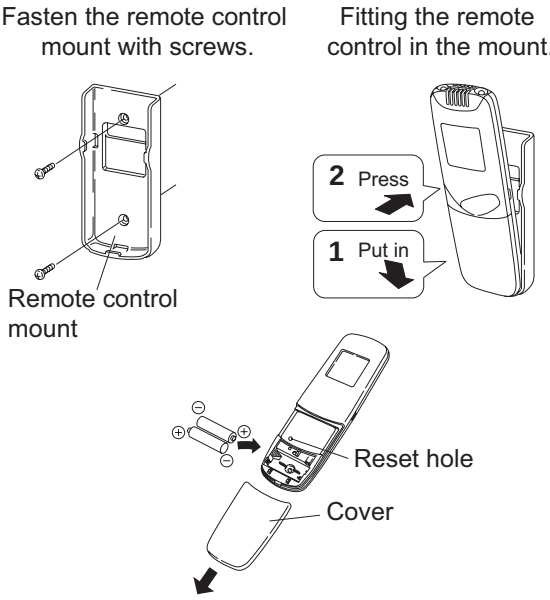
(2) These numbers will be needed for maintenance.
Be sure to indicate them.

Installing the Remote Controller

- If the remote controller is to be installed onto a wall or other surface for use, first place the remote controller in the location where it will be installed and press (ON / OFF).
  Confirm that the “signal-received” sound occurs at the indoor unit and that the A/C begins operating.
- Installing the batteries

(1) Press on both sides of the remote controller cover and slide it downward to remove it.
(2) Insert 2 AAA alkaline batteries.
(Pay attention to the + and – directions.)
(3) Gently insert one end of an unfolded paper clip (or a similar object that can fit) into the Reset hole and press the reset button inside the hole and then put the cover back on.

To remove the remote controller, pull it toward you.



Precautions for remote controller installation

- Before mounting the remote controller on the wall, place the unit at the mounting position, then turn on any fluorescent lamps, press the ON/OFF button, and check that the air conditioner operates correctly.
  When using the remote controller to detect the room temperature, observe the following precautions during installation:
  - Avoid locations where the remote controller will be exposed to the direct path of air blown from the air conditioner.
  - Avoid locations where the remote controller will be exposed to direct sunlight.
  - Avoid locations where the remote controller will be exposed to direct heat sources.

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Caution for Pump Down

Pump down means refrigerant gas in the system is returned to the outdoor unit.
Pump down is used when the unit is to be moved, or before servicing the refrigerant circuit.

CAUTION

- **This outdoor unit cannot collect more than the rated refrigerant amount as shown by the nameplate on the back.**
- **If the amount of refrigerant is more than that recommended, do not conduct a pump down. In this case use another refrigerant collecting system.**
- **Pay a special attention to the rotating of the fan while operating.**

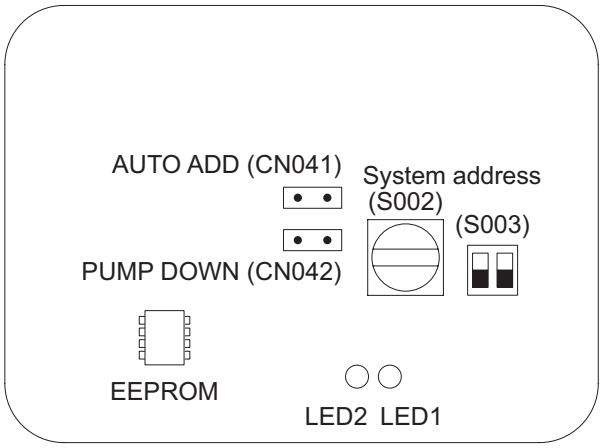
Important Information Concerning Pump Down

Observe the following items when using pump down operation to recover the refrigerant.

(1) If the length of inter-unit tubing exceeds 30 m, pump down cannot be used to recover the refrigerant. (The overload protection device may be activated.)

(2) Short the “PUMP DOWN” pin (or press and hold the “PUMP DOWN” button) on the outdoor unit PCB for 1 second or longer.
- During refrigerant recovery, LED 1 blinks and LED 2 is lit.
- Close the liquid-side valve during refrigerant recovery.
  If the unit is operated for 10 minutes or longer with the liquid-side valve open, operation will be stopped, although no alarm will be displayed on the remote controller.
  If this occurs, close the valve and restart operation.

(3) When the valve service port pressure is approximately 0.1 MPa, short the “PUMP DOWN” pin (or press the “PUMP DOWN” button) again to end refrigerant recovery.
- In order to protect the compressor, do not continue operating to generate a negative pressure in the inter-unit tubing.



The PUMP DOWN (CN042) pin is located at the right of the outdoor unit PCB, as shown in the above figure.

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■ **U-60PE1E5 ~ U-140PE1E5, U-71PE1E8 ~ U-140PE1E8**
U-100PEY1E5, U-125PEY1E5, U-100PEY1E8, U-125PEY1E8, U-140PEY1E8

ACCESSORIES SUPPLIED WITH OUTDOOR UNIT

The following parts are supplied as accessories with each outdoor unit.
Check that all accessory parts are present before installing the outdoor unit.

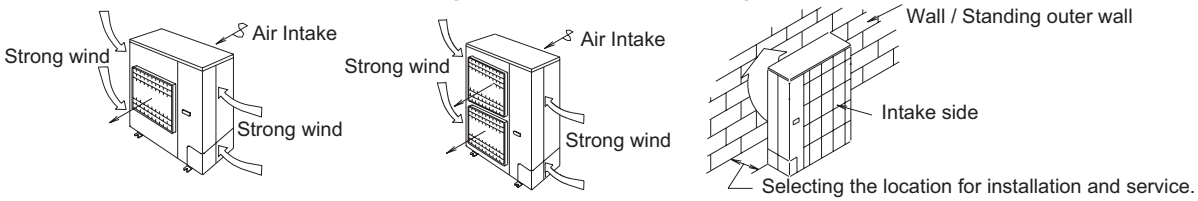
Part name	Q'ty	Diagram	Application
Protective bushing	2		For protecting electrical wires
Banding strap	4		For tying electrical wires together

Part name	Q'ty	Diagram	Application
Installation Instructions		———	This manual

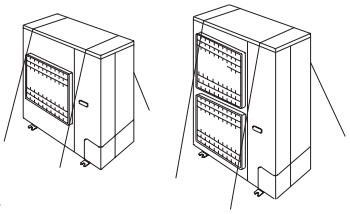
SELECT THE OUTDOOR UNIT INSTALLATION LOCATION

⚠ Warning	Be careful when picking up and moving the indoor and outdoor units. Get a partner to help, and bend your knees when lifting to reduce strain on your back. Sharp edges or thin aluminum fins on the air conditioner can cut your fingers.

1. Install the unit once you have checked that the installation location matches the following conditions.
   - A location with sufficient ventilation.
   - Possibly a location that is sheltered from rain or direct sunlight and is well-ventilated so that hot and cool air does not build up.
   - A location where the area around the discharge is not exposed to animals or plants which could adversely affect the release of hot or cool air from the unit.
   - A location where the discharge and operation noise will not be a nuisance to the neighbours.
   - A location that can support the product's weight or vibrations and secured for horizontal installation wherever possible.
   - A location that does not obstruct the air discharge or intake.
   - A location where there is no danger of flammable or corrosive gas leaks.
   - A location that provides space for installation and service.
   - A location that allows the pipe and cable length fixture for internal and external connections.
   - It may need two or more people to carry out the installation work.
2. Refer to the diagram below for the installation location which is exposed to strong wind.
   - If a strong wind of more than 5 m/s blows to the area directly in front of the discharge, the outdoor unit's air flow is reduced and the outflow may re-enter (short circuit) causing the following outcome: "Reduced capacity", "Increased frost formation during heating" or "Operation stopped due to increased pressure".
     Should an exceptionally strong wind blow to the area directly in front of the discharge of the outdoor unit; there is the risk of damage due to the fan's high-speed reverse rotation.
   - If the direction of the prevailing wind is known when operating the unit, place the unit at an appropriate angle to the wind's direction so that the discharge faces towards a building or a wall.



3. If installing at locations prone to snowfall, install the unit as high as possible with suitable roofing which shelters the unit from snow.
4. Avoid installing the unit in locations where there are petroleum products (such as machine oil), saline content (such as coastal areas), sulphurous gas and where high frequency noise is generated.
5. Place the indoor and outdoor unit, power cords and indoor/outdoor unit connection cables at a minimum distance of 1 meter or more away from televisions and radios. This is to avoid interference to picture and/or sound. (However, depending on the electromagnetic waves, noise interference may still occur even with the 1 meter separation.)
6. For restaurants and kitchens, avoid installing at locations which draws oil and steam. Plastic parts can deteriorate from droplets of oil and steam or it can cause falling parts or water leakage.
7. Avoid installing at the location where cutting oil mist or iron powder is present.
8. If there is an immense voltage fluctuation due to the location's problem, ensure to split the power supply.
9. When installing the product in a place where it will be affected by typhoon or strong wind such as wind blowing between buildings, including the rooftop of a building and a place where there is no building in surroundings, fix the product with an overturn prevention wire, etc.
10. Ensure to assign several people or use a mechanical lift, etc. to transport the unit.



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SELECTING THE LOCATION FOR INSTALLATION SERVICE

When installing multiple units, allow enough space in between the units and the side of the building.

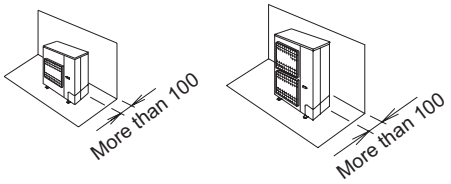
(A) If there are obstacles at the intake

- If the upper part is open

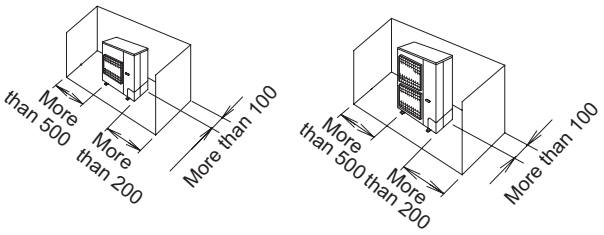
① For separate installation location

(unit: mm)

• Only if there are obstacles at the intake

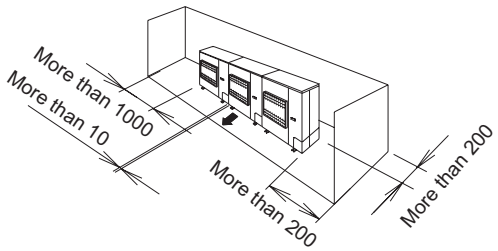


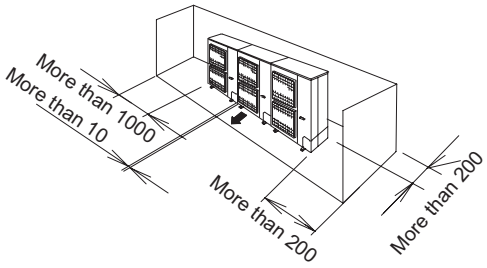
• If there are obstacles on both sides



② For multiple units (more than 2 units)

• If there are obstacles on both sides



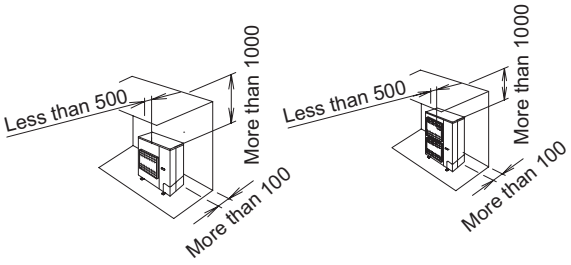


- If there are obstacles above the unit

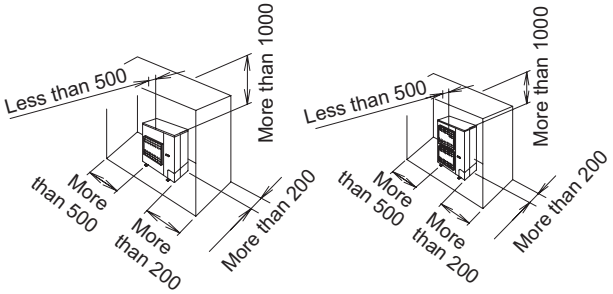
① For separate installation location

(unit: mm)

• Only if there are obstacles at the intake

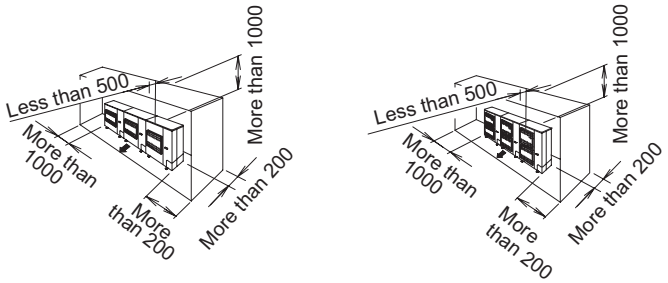


• If there are obstacles on the intake and the other side



② For multiple units (more than 2 units)

• If there are obstacles on both sides

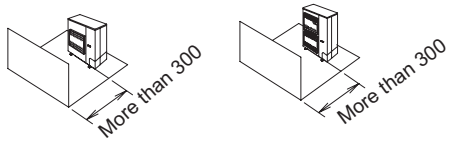


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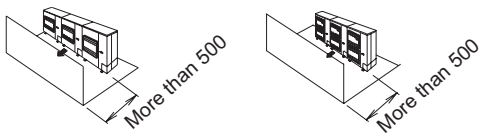
(B) If there are obstacles at the discharge

- If the upper part is open (unit: mm)

① For separate installation location

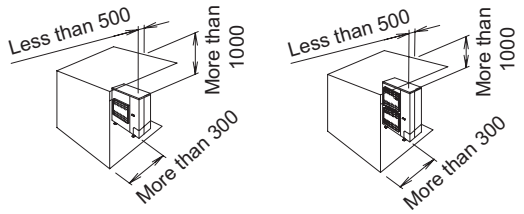


② For multiple units (more than 2 units)

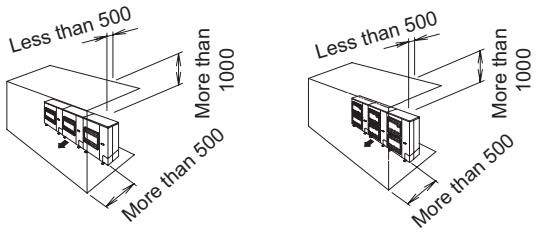


- If there are obstacles above the unit (unit: mm)

① For separate installation location



② For multiple units (more than 2 units)

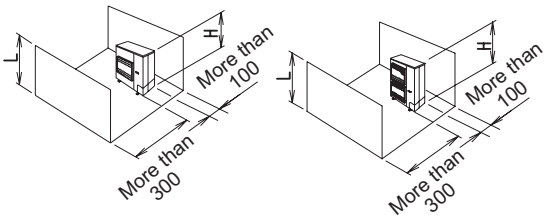


(C) If there are obstacles on both the intake and discharge

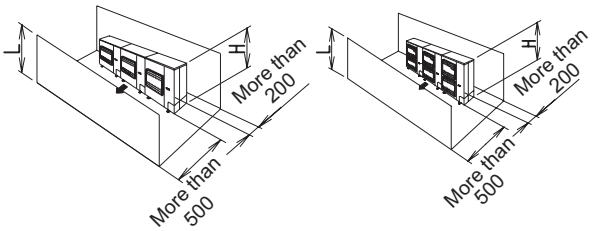
Pattern 1 If there is an obstacle that is higher than the unit on the intake side.
(There is no limit to the height of the obstacle above the discharge.)

- If the upper part is open (unit: mm)

① For separate installation location



② For multiple units (more than 2 units)



- If there are obstacles above the unit (unit: mm)

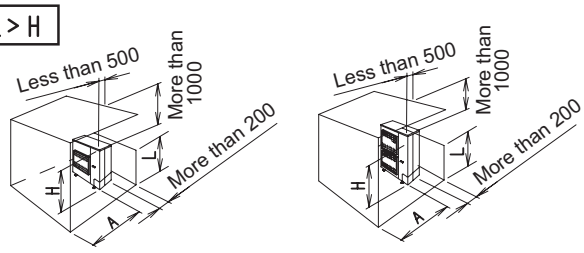
① For separate installation location

• The dimensions for H, A and L are shown in the following table.

	L	A
L ≤ H	0 < L ≤ 1/2 H	300
	1/2H < L ≤ H	500
H < L	Install a pedestal or mount so that L ≤ H	

• Cover the bottom part of the pedestal or mount so that air does not go through it.

L > H

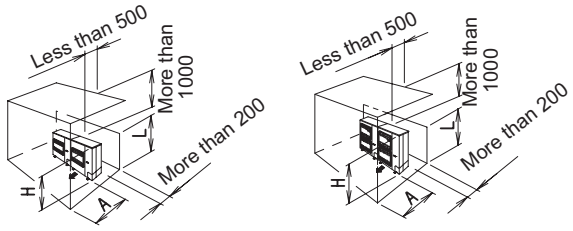


② For multiple units (up to 2 units)

• The dimensions for H, A and L are shown in the following table.

	L	A
L ≤ H	0 < L ≤ 1/2 H	500
	1/2H < L ≤ H	750
H < L	Install a pedestal or mount so that L ≤ H	

• Cover the bottom part of the pedestal or mount so that air does not bypass it.
• A limit of only 2 units can be installed.



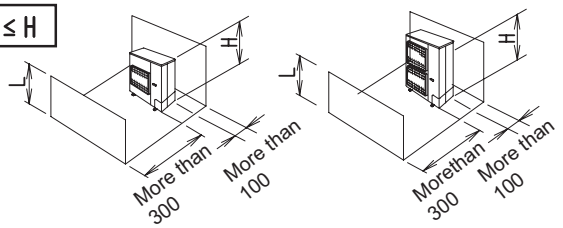
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Pattern 2 If there is an obstacle that is higher than the unit on the discharge side.
(There is no limit to the height of theobstacle above the discharge.)

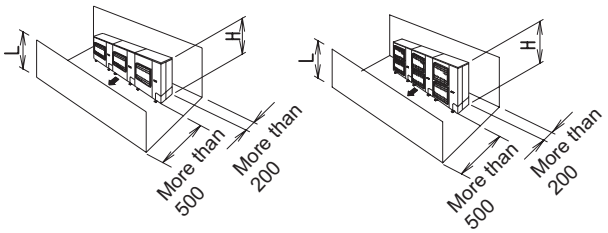
- If the upper part is open (unit: mm)

① For separate installation location

L ≤ H



② For multiple units (more than 2 units)



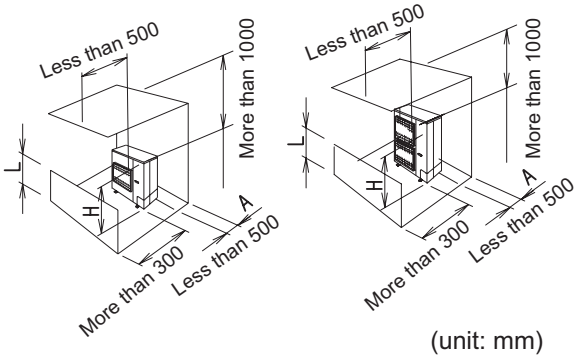
- If there are obstacles above the unit (unit: mm)

① For separate installation location

• The dimensions for H, A and L are shown in the following table.

	A
L ≤ H	100
H < L	Install a pedestal or mount so that L ≤ H

• Cover the bottom part of the pedestal or mount so that air does not go through it.



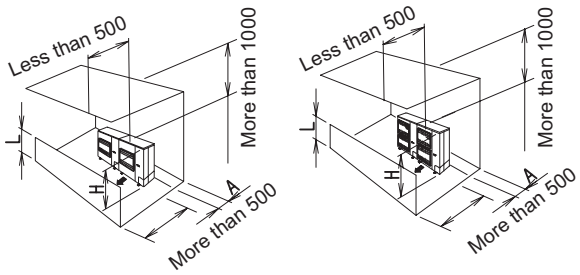
② For multiple units (up to 2 units)

• The dimensions for H, A and L are shown in the following table.

	A
L ≤ H	200
H < L	Install a pedestal or mount so that L ≤ H

• Cover the bottom part of the pedestal or mount so that air does not bypass it.
• A limit of only 2 units can be installed.

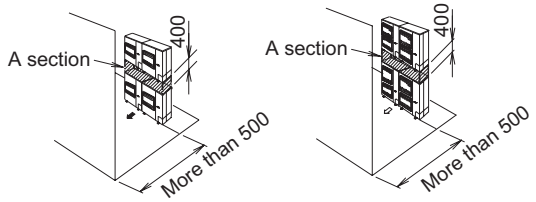
(unit: mm)



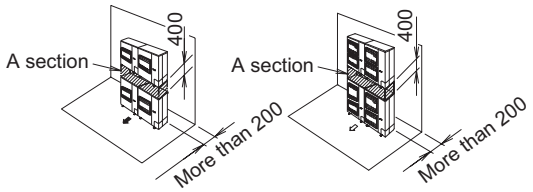
(D) Stacking installation setup

- Stack up to 2 tiers.
- A dimension of approximately 400 mm is required for the second tier outdoor unit's drain pipe and space for maintenance of the first tier outdoor unit.
- Close A section (the space between the upper and lower level outdoor units) so the outtake air does not bypass it.

① If there are obstacles at the discharge (unit: mm)

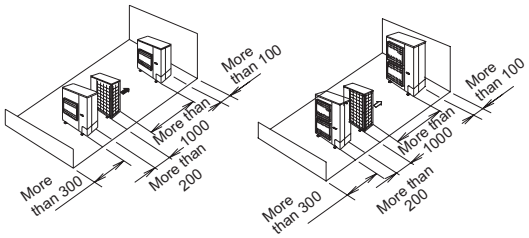


② If there are obstacles at the intake (unit: mm)

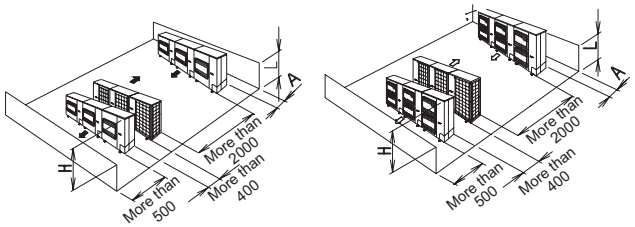


(E) For multiple row installation (on the roof, etc.)

① For one row installation setup (unit: mm)



② For multiple units (more than 2 units) (unit: mm)



• The dimensions for H, A and L are shown in the following table.

	A
L ≤ H	200
H < L	Installation not possible

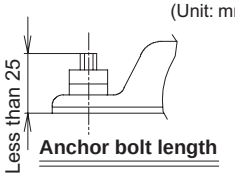
- The above mentioned distance is required for optimal unit performance.
Allow as much space as possible in order to obtain the best performance from the units.

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TRANSPORT AND INSTALL THE OUTDOOR UNIT

- Transporting
  1. Transport the outdoor unit in its original packaging as close as possible to the installation location.
  2. In the event that the unit needs to be lifted or suspended, use a rope or belt and use cloth or wood as padding to avoid damaging the unit.
  3. Use the side handles to carry the unit and be careful not to touch the fan with your hand or any objects.

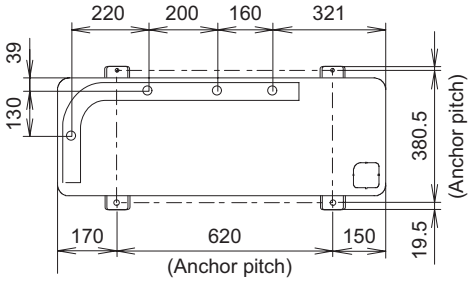
(Unit: mm)



Anchor bolt length

- Installation
  1. Read the “Select the outdoor unit installation location” thoroughly before installing the outdoor unit.
  2. When installing to a concrete or solid surface, use M10 or a W 3/8 bolts and nuts to secure the unit.
     Ensure that it installed upright on a horizontal plane.
     (Use an anchor bolt for the installation as shown in the diagram at right.)
  3. Avoid installing on the slanted roof.
  4. In the even where the roof is at risk of receiving oscillations or vibrations, secure the unit with a seismic isolating mount or vibration absorbing rubber.
  5. The drain water will be discharged from the unit during heating or defrosting operation mode.
     Select an appropriate location with good drainage system. (In the winter, there is risk of slipping due to freezing, and depending on the installation set up there is risk of drain water running overhead.)
     ※ Please consult us if installing drain elbows.
     ※ In cold regions (where the outdoor temperature can drop to below 0˚ for 2 to 3 consecutive days), the drain water may freeze and may prevent the fan from operating. For this case, do not use the drain elbow.

(Unit: mm)

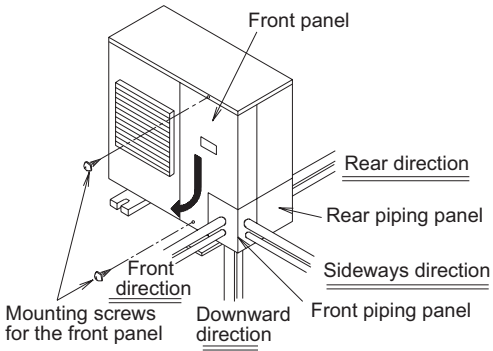


Anchor bolt position

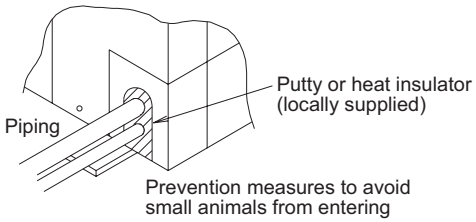
REFRIGERANT INSTALLATION

For indoor unit refrigerant piping installation, refer to the Installation Instruction manual that comes with that indoor unit. Do not reuse existing piping, install new piping.

1. Precautions during refrigerant installation.
   - Use clean pipes with no dust inside.
     The pipe may corrode with the presence of fluorine dust which will adversely affect the refrigerant piping system due to deterioration of the refrigerant oil, etc.
   - This unit is specifically for R410A. Ensure to adhere to the following items and install accordingly:
     - Use pipe cutters and flaring tools which are specially designed for use with R410A.
     - When connecting with flaring tools, coat the flare section with ether-based oil.
     - Ensure to use flare nuts supplied with the unit when connecting this unit.
     - Only for storing or for open pipes.
     - Set the lower limit of the allowable pipe length to 5m.
       If the pipe is shorter than 5m, the refrigerant may become overfilled and a problem such as abnormal high pressure could occur.



2. The local pipes can protrude from any four directions.
   - Make holes in the pipe panel for the pipes to penetrate it and lay the pipes accordingly.
     - It is recommended to apply additional substance to the cut area for anti-rust protection.

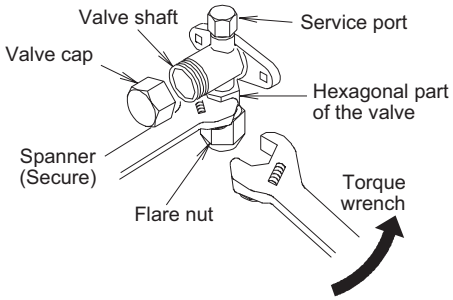


   - Ensure to install pipe panels to prevent rain water from getting into the unit.
   - Close the gap at the pipe connected area with putty or heat insulator (locally supplied).
     - If an insect or small animal enters the outdoor unit, there is the risk of shorting in the product electronic casing.
       [Remove the front panel]
       (1) Remove the 2 mounting screws.
       (2) Slide the front panel using your hands downwards to release the pawls.
           Then remove by pulling the panel towards you.

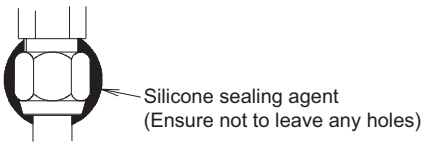
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Precautions when operating the 3-way valve for piping installation

- Do not open the 3-way valve until the piping installation is completed.
  - It is closed during shipment.
  - During installation the side panel may warp if only the flare nut is loosened and tightened with a torque wrench. As a result, always be sure to secure to the hexagonal part of the 3-way valve with a spanner, or other tool.
- Refer to the following table for the tightening torque of the 3-way valve flare nuts.
  - If the nuts are over tightened, they may cause the flares to break or leak.
- Do not add additional force to the valve's cover.
  - Using spanners on the cover or valve itself (other than the hexagonal parts) may cause gas leakage. Avoid using spanners on the cover or parts other than the hexagonal part of the valve.

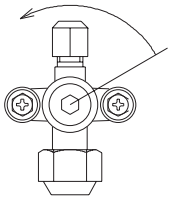


- During the cooling mode operation under low ambient pressure, the low pressure side of the valve can be prone to freezing. Secure the flare nut (shared gas side / liquid side) section of the valve with a silicone sealing agent to prevent this from occurring.



[3-way valve operation method]

- Use an Allen wrench (Size 4 mm or 6 mm).
  Direction to open



Opening : Open the cover and turn the Allen wrench counter-clockwise until it stops.
Closing : Open the cover and turn the Allen wrench clockwise until it stops.

Precautions for handling the valve cap

- Ensure not to scratch the inner surface of the valve or the end of the valve shaft.
  - Once adjustments to the valve are completed, ensure to tighten the valve cap according to the prescribed torque.

Valve size	Tightening torque
ø9.52	20.6N•m~28.4N•m {2.1kgf•m~2.8kgf•m}
ø15.88	48.0N•m~59.8N•m {4.8kgf•m~6.0kgf•m}

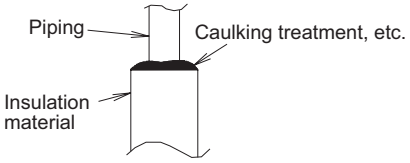
Precautions for handling the service ports

- Use a push-rod with a charge hose.
  - Once adjustments to the valve are completed, ensure to tighten the valve cap according to the prescribed torque.

Tightening torque
10.7N•m~14.7N•m {1.1kgf•m~1.5kgf•m}

Precautions for connecting the pipes

- Ensure that the pipes do not come into contact with the compressor's bolts or exterior panel.
- There is a risk of condensation from the 3-way valve coming out between the insulation material and the indoor unit's piping when you install the outdoor unit above then the indoor unit. Ensure to caulk the connection parts.



Precautions for insulation installation

Maximum temperature limit of gas or liquid piping exceeds 120 °C

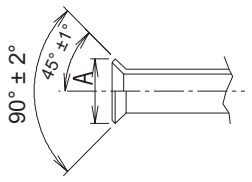
- In high humidity environment, reinforce the insulation material for the refrigerant piping. Failure to do so may result in condensation on the surface of the insulation material.
- Use materials with good heat-resistant properties as the heat insulator for the pipes. Ensure to insulate both the gas side and liquid side pipes. If the pipes are not adequately insulated, condensation and water leakages may occur.
- Ensure that the current insulation covers the pipes up to the unit's connecting part. If the piping is exposed , it may cause condensation or burn (when touch the pipe).

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Precautions for flare nut installation

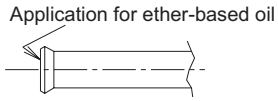
- Dimensions when adding flare nuts and the tightening torque

(unit: mm)

Piping size	Tightening torque	Flare section dimensions A	Flare configuration
ø 6.35	14.2N•m ~ 17.2N•m {1.4kgf•m ~ 1.7kgf•m}	8.7 ~ 9.1	
ø 9.52	32.7N•m ~ 39.9N•m {3.3kgf•m ~ 4.0kgf•m}	12.8 ~ 13.2	
ø 12.7	49.5N•m ~ 60.3N•m {5.0kgf•m ~ 6.0kgf•m}	16.2 ~ 16.6	
ø 15.88	68.0N•m ~ 75.5N•m {6.8kgf•m ~ 7.6kgf•m}	19.3 ~ 19.7	

After piping connection has completed, ensure there is no gas leakage.

- When tightening the flare nut, coat the flares (inner surface only) with refrigerant oil on the flares
  Firstly, screw in 3-4 turns by hand.
  ※ Ensure not to get oil on the screw part.
  Refrigerant oil used is ether-based.

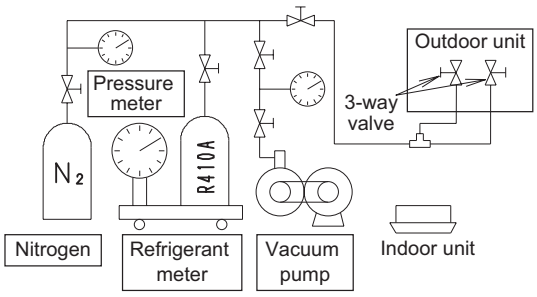


- Once the piping connections are completed, perform leakage inspection using nitrogen gas.

VACUUM PURGING

- Once the piping connections are completed, perform leakage inspection using nitrogen gas (leak tightness test) using the 3-way valve for the outdoor unit and then close it.
  Test the pressure :
  3.8 MPa : Type PE1
  4.15 MPa : Type PEY1
- Ensure to use a vacuum pump (with a back-flow prevention device) for inside the refrigerant system.
- Vacuuming process will take place after the leak test.

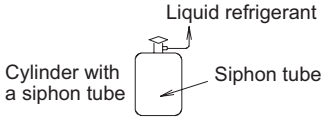
Use nitrogen gas for the leak tightness test.
Using flammable gas can cause an explosion.



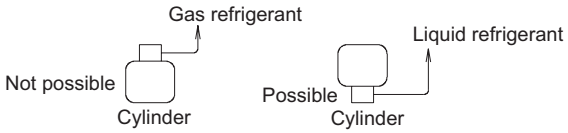
REGARDING REFRIGERANT FILLING

Precautions during refrigerant filling

- Ensure to fill only with liquid refrigerant when refilling. If gas refrigerant is filled, the refrigerant composition will not be balanced and will cause abnormal operation.



- If using cylinders as shown in the bottom left diagram; without a siphon tube inside, turn it upside down and use it.
  (It is recommended to use the manifold with the side glass.)



- Use tools that are designed specifically for R410A, for pressure resistance and to prevent mixing impurities.
- Fill the refrigerant from the 3-way valve's service port on the liquid-side.

For filling and replacing all refrigerant (For refilling due to a leak)

- For refilling refrigerant, first collect all residual refrigerant and after vacuum dehydration using the vacuum pump. Refill the refrigerant according to the prescribed amount stated on the placard affixed to this unit.

Precautions after the pipes' connection have completed

- Ensure to open the 3-way valve after completing the piping installation, leak test and vacuuming.
  If it is closed during operation, it can lead to compressor failure.

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Charging with refrigerant

For the type PE1

- At the time of shipment from the factory, this unit is charged with enough refrigerant for an equivalent pipe length of 30m. If the equivalent pipe length used will be 30m or less, no additional charging will be necessary.
- If the equivalent pipe length will be between 30 and 50 / 75m, charge with additional refrigerant according to the equivalent length given in the table below.

	Additional charging amount	Equivalent length	Minimum length
U-60/71PE1	50g/m	50m	5m
U-100/125/140PE1	50g/m	75m	5m

For the type PEY1

- At the time of shipment from the factory, this unit is charged with enough refrigerant for an equivalent pipe length of 30m. If the equivalent pipe length used will be 30m or less, no additional charging will be necessary.
- If the equivalent pipe length will be between 30 and 50m, charge with additional refrigerant according to the equivalent length given in the table below.

	Additional charging amount	Equivalent length	Minimum length
U-100/125/140PEY1	50g/m	50m	5m

- Pump down operation
  - Operate the pump down according to the following procedures.

	Procedure	Remarks
1	Stop operation both outdoor and indoor units.	
2	Remove the cap and hood (bonnet) on the service port of the gas (wide tube) side from the outdoor unit. Then connect the pressure gauge (local supply) to the service port of the gas (wide tube) side.	• Be sure to use the pressure gauge (local supply) which is specific to low pressure measurable.
3	Short-circuit the pump down pin (PUMPDOWN) on the control PCB of the outdoor unit for 1 second or longer. Use a flathead screwdriver and short-circuit the pin.	• If the pump down pin (PUMPDOWN) on the control PCB of the outdoor unit is short circuit, refrigerant recovery control is started in the cooling operation. • The indoor fan is operated in High mode during pump down operation and the compressor drives in 60Hz.
4	When 2 or 3 minutes have passed after the start of outdoor unit operation, fully close the liquid (narrow tube) side valve of the outdoor unit.	• Refrigerant recovery will start. • The LED 1 on the control PCB of the outdoor unit blinks and LED 2 illuminates. • Maintenance function indication ( ) will blink on the LCD display of the wired remote controller (CZ-RTC2).
5	When the pressure gauge installed at the service port reaches the desired pressure of 0.2MPa - 0.1MPa, fully close the gas (wide tube) side valve of the outdoor unit. Then again short-circuit the pump down pin (PUMPDOWN) on the control PCB of the outdoor unit for 1 second or longer.	• If the pump down operation has continued for over 10 minutes or the pump down pin (PUMPDOWN) on the control PCB of the outdoor unit is short circuit for 1 second or longer, the outdoor and indoor units will stop even though the pump down has not completed yet. • Do not operate the outdoor unit until the pressure value reaches negative pressure. Otherwise, this will cause the compressor trouble.
6	Remove the pressure gauge installed at the gas (wide tube) side of the outdoor unit. Then reinstall the cap and hood (bonnet) in the original position once removed in the Step 2 described above.	• The pump down operation is completed.

NOTE

If you normally operate the refrigerant recovery unit, fully open both the liquid and gas valves of the outdoor unit.

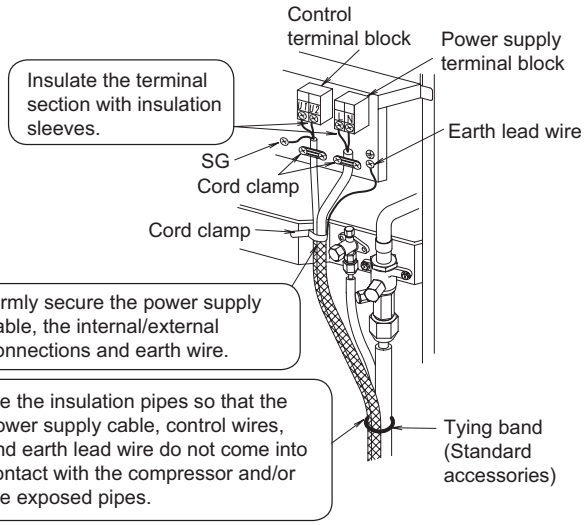
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ELECTRICAL WIRING

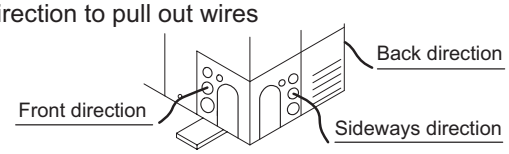
⚠ Warning	This air conditioner must be installed in accordance with national wiring regulations.
	Cables connected to outdoor unit must be approved polychloroprene sheathed type 60245 IEC 57 or H05RN-F/H07RN-F or heavier.
	The units must be connected to the supply cables for fixed wiring by qualified technician. Circuit breaker must be incorporated in the fixed wiring in accordance with the national wiring regulations. The circuit breaker must be approved, suitable for the voltage and current ratings of equipment and have a contact separation by 3mm in all poles. When the supply cable is damaged, it must be replaced by qualified technician.
	Be sure to install a current leakage breaker, main switch and fuse to the main power supply, otherwise electric shocks may result.
	Be sure to connect the unit to secure earth connection. If the earthing work is not carried out properly, electric shocks may result. ⏚
	Wiring shall be connected securely by using specified cables and fix them securely so that external force of the cables may not transfer to the terminal connection section. Imperfect connection and fixing leads to fire, etc.

- Ensure to connect the electrical cable connections and clamp the wires securely to the terminal connections using cord clamps so that no undue force is placed on the wires (power source cable, indoor/outdoor connection cables, earth lead wire).
- Do not install a phase advance capacitor for power factor improvement.
  (It does not improve the power factor and will cause abnormal overheating.)
- Do not bind the excess cables together and place them inside this unit.
- Protect the electrical cable with the protective bushing provided so that the cables do no get damaged on the knock hole or etched portions. If there is space between the electrical cables and the protective bushing occurs, seal it accordingly.
- Tie the cables with the provided binding strap so that they do not touch the compressor and the pipes.
- When setting up the cables, inside of unit install properly so that the front panel will not lift up.
  Make sure that front panel mount correctly.
- Use a round type terminal with an insulation sleeve for connecting to the terminal block.
- Use the appropriate screwdriver for tightening the terminal screws.
  Small sized screwdriver damages the head of the screw and cannot tighten it properly.
- There is risk of damaging the screw if the terminal screw is over tightened. Tighten with the appropriate torque.

Screw diameter name	Tightening torque N•m {kgf•m}
M4	1.57 ~ 1.96 {0.16 ~ 0.2}
M5	1.96 ~ 2.45 {0.2 ~ 0.25}

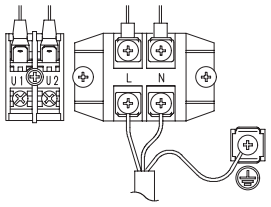


- Direction to pull out wires



Seal wiring holes after wiring using included protection bush.
(other holes are for connecting conduit pipe)

- Earth lead wire set up



The earth lead wire shall be longer than other lead wires as shown in the figure for electrical safety in case it slips out of the cord from the anchorage.

- Be sure to connect the wires correctly to terminal board with connecting the crimp type ring terminal to the wires.
- If connecting two separate wires to a single crimped terminal, place the two crimped terminal wires together as shown in Fig. A. (If the arrangement shown in Fig. B is used, poor contacts or contact damage may result.)

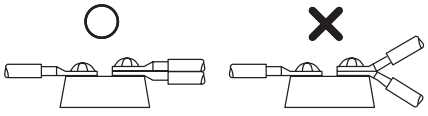
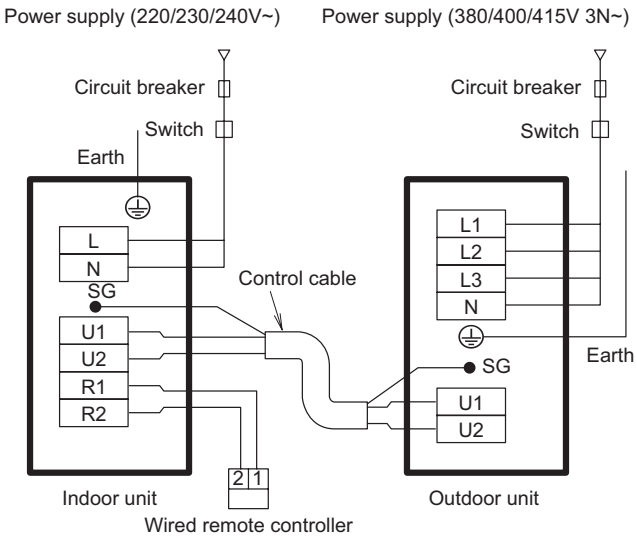


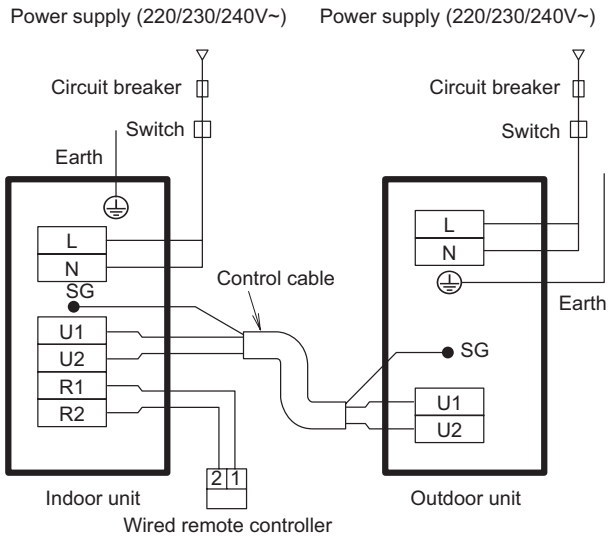
Fig. A (OK) Fig. B (not OK)

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OUTDOOR UNIT/3-PHASE MODEL



OUTDOOR UNIT/SINGLE-PHASE MODEL



This equipment complies with EN/IEC 31000-3-12 provided that the short-circuit power Ssc is greater than or equals to ※ 2 kVA at the interface point between the user's supply and the public system. It is the responsibility of the installer or user of the equipment to ensure; by consultation with the distribution network operator if necessary that the equipment is connected only to supply with a short-circuit power Ssc greater than or equals to ※ 2 kVA.

Ssc: Short circuit power

SG : Shows the earth for the shielded cable.

Model name	Power supply (single-phase)	Maximum electric current (A)	※1 Control cable (mm²)	※ 2 Ssc (kVA)	Model name	Power supply (3N~)	Maximum electric current (A)	※1 Control cable (mm²)	※ 2 Ssc (kVA)
U-60PE1E5	220/230/240V~	18	0.75	4050	—	—	—	—	—
U-71PE1E5	220/230/240V~	18	0.75	4050	U-71PE1E8	380/400/415V	7	0.75	※3
U-100PE1E5	220/230/240V~	25	0.75	6000	U-100PE1E8	380/400/415V	9	0.75	※3
U-125PE1E5	220/230/240V~	28	0.75	6000	U-125PE1E8	380/400/415V	10	0.75	※3
U-140PE1E5	220/230/240V~	30	0.75	6000	U-140PE1E8	380/400/415V	11	0.75	※3
U-100PEY1E5	220/230/240V~	25	0.75	5200	U-100PEY1E8	380/400/415V	9	0.75	※3
U-125PEY1E5	220/230/240V~	29	0.75	5800	U-125PEY1E8	380/400/415V	10	0.75	※3
					U-140PEY1E8	380/400/415V	10	0.75	※3

※1 Use a shielded cable for the control cable. Overall extension less than 500m

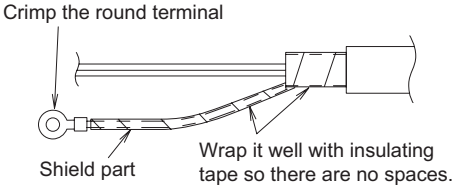
※3 The following models are intended for professional use.

U-71PE1E8, U-100PE1E8, U-125PE1E8, U-140PE1E8, U-100PEY1E8, U-125PEY1E8, U-140PEY1E8

Consult with the supply utility for permission of electrical connection.

- Decide the length and size of the power supply cable based on the maximum ampere tabulated above in accordance with the national wiring regulations.
- Select the fuse(s) and/or circuit breaker(s) from the types and ratings suitable for the maximum ampere tabulated above in accordance with the national wiring regulations.
- If capacity of power supply circuit and enforcement are not enough, it can causes the electric shock and a fire.

For the shield part of the shielded cable, twist the end out, crimp it with a round terminal, and connect it to the SG screw. After crimping it with a round terminal, wrap it with insulating tape so there are no spaces and adjust it so the shield part does not touch any live parts.



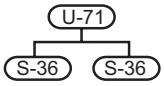
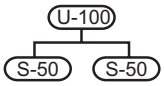
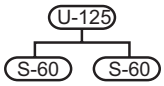
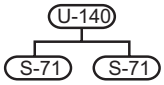
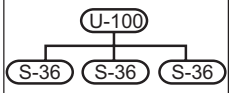
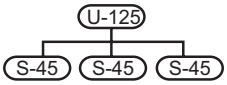
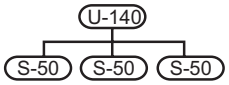
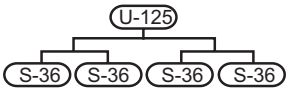
⚠ Caution	Be sure that the shield part of the shielded cable does not touch the terminal block or any live parts. Failure to do so may lead to electric shock or fire.

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COMBINATION OF INDOOR UNIT CONNECTION

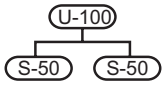
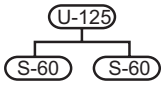
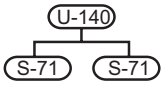
Twin, Triple and Double Twin Type Connections for PE1 Type

- Two, three or four indoor units can be operated simultaneously with a single remote controller. Note that individual operation is not possible.
- Master unit and slave unit can be set automatically in twin and triple system. No address setting is necessary.
- Applicable “TWIN” and “TRIPLE” combination table.

	Outdoor unit	71 Type	100 Type	125 Type	140 Type
TWIN	combination				
TRIPLE	combination	———			
DOUBLE TWIN	combination	———	———		———

Twin Type Connections for PEY1 Type

- This unit cannot make triple or double twin connections.
- Two indoor units can be operated simultaneously with a single remote control unit. Note that individual operation is not possible.
- Master unit and slave unit can be set automatically in twin system. No address setting is necessary.
- Applicable “TWIN” combination table.

	Outdoor unit	100 Type	125 Type	140 Type
TWIN	combination			

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Piping Connections

For PE1 Type

- The following table shows the pipe diameter. (Branch pipe kit should be used)

(unit: mm)

Outdoor unit main pipe diameter (mm)	Branch pipe diameter	Indoor unit combination				
		S-36	S-45	S-50	S-60	S-71
Liquid side : ø9.52 Gas side : ø15.88	Liquid side	ø6.35	ø6.35	ø6.35	ø9.52	ø9.52
	Gas side	ø12.7	ø12.7	ø12.7	ø15.88	ø15.88
Branch pipe kit (option)	TWIN, DOUBLE TWIN	CZ-P155BK1				
	TRIPLE	CZ-P3HPC2				

- The following table shows the equivalent pipe lengths and height differences.

		SYMBOLS			SPEC
		TWIN	TRIPLE	DOUBLE TWIN	
Total pipe length		L+La+Lb	L+La+Lb+Lc	L+La+Lb+Lc+Ld+Le+Lf	U-60/71P : 50m U-100/125/140P : 75m
Maximum branch pipe length		La or Lb	La or Lb or Lc	La+Lc or La+Ld or Lb+Le or Lb+Lf	Less than 15m
Maximum branch pipe length difference		La > Lb La - Lb	La > Lb > Lc La - Lb Lb - Lc La - Lc	Lb+Lf → MAX La+Lc → MIN (Lb + Lf) - (La + Lc)	Less than 10m
Maximum pipe length difference of branch pipe 1 (DOUBLE TWIN)		———	———	Lb > La Lb - La	Less than 10m
Maximum pipe length difference of branch pipe 2 (DOUBLE TWIN)		———	———	Ld > Lc Lf > Le Ld - Lc Lf - Le	Less than 10m
Height difference	Outdoor located higher installation	H1			Less than 30m
	Outdoor located lower installation	H1			Less than 15m
Height difference between indoor units		H2	H2 or H3 or H4	H2 or H3 or H4 or H5 or H6 or H7	Less than 0.5m

For PEY1 Type

- The following table shows the pipe diameter. (Branch pipe kit should be used)

(unit: mm)

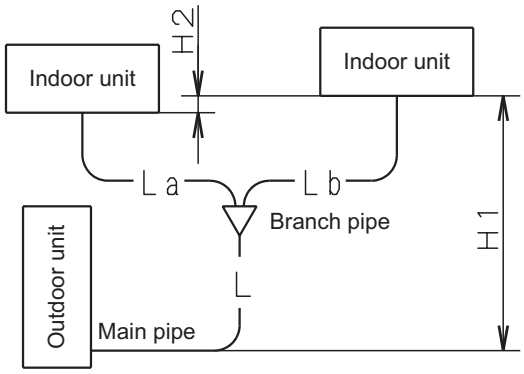
Outdoor unit main pipe diameter (mm)	Branch pipe diameter	Indoor unit combination		
		S-50	S-60	S-71
Liquid side : ø9.52 Gas side : ø15.88	Liquid side	ø6.35	ø9.52	ø9.52
	Gas side	ø12.7	ø15.88	ø15.88
Branch pipe kit (option)	TWIN	CZ-P155BK1		

- The following table shows the equivalent pipe lengths and height differences.

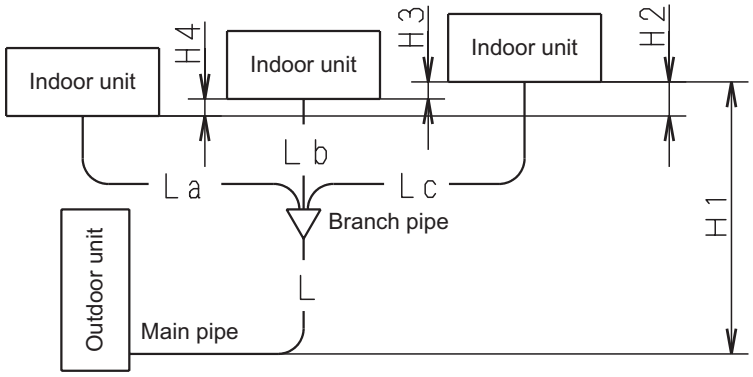
		SYMBOLS	SPEC
		TWIN	
Total pipe length		L+La+Lb	Less than 50m
Maximum branch pipe length		La or Lb	Less than 15m
Maximum branch pipe length difference		La > Lb La - Lb	Less than 10m
Height difference	Outdoor located higher installation	H1	Less than 30m
	Outdoor located lower installation	H1	Less than 15m
Height difference between indoor units		H2	Less than 0.5m

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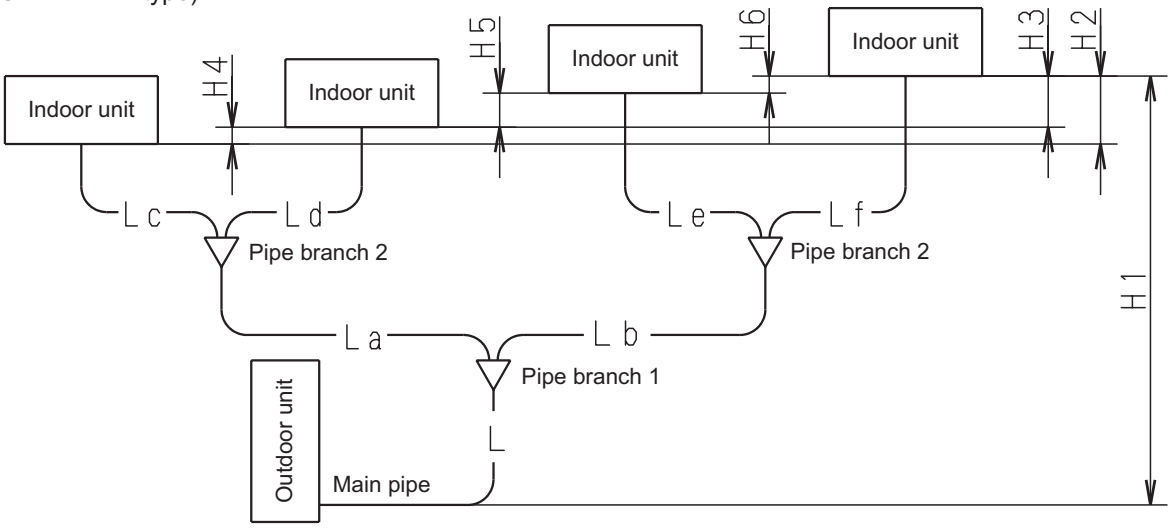
(TWIN type)



(TRIPLE type)



(DOUBLE TWIN type)



• Use the main pipe to gain any rise or fall required for the pipes.
• The number of bends should be 8 or less in a single system, and 15 or less overall.
• Branch pipes should be positioned horizontally.

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Refrigerant charging

For PE1 Type

- For the twin connection, the amount of refrigerant required for pipe length 30m has been included in this unit at the factory while that required for pipe length 20m has been included for the triple/double-twin connections. No additional charge is required for the first 30m pipe length in the case of the twin connection and for the first 20m in the case of the triple/double-twin connections. The amount of included refrigerant for each model is listed on NAME PLATE.
  Make additional charges by adding up pipe length in an order of main pipe (L) → branch pipe (La →Lb → Lc wide diameter) and then selecting the amount of refrigerant corresponding to the remaining (after 30m for the twin connection and after 20m for the triple/double-twin connections) liquid side pipe diameter and pipe length from the below table.

(unit: mm)

Liquid pipe diameter	Addition amount of refrigerant [g/m]
ø6.35	20
ø9.52	50

For PEY1 Type

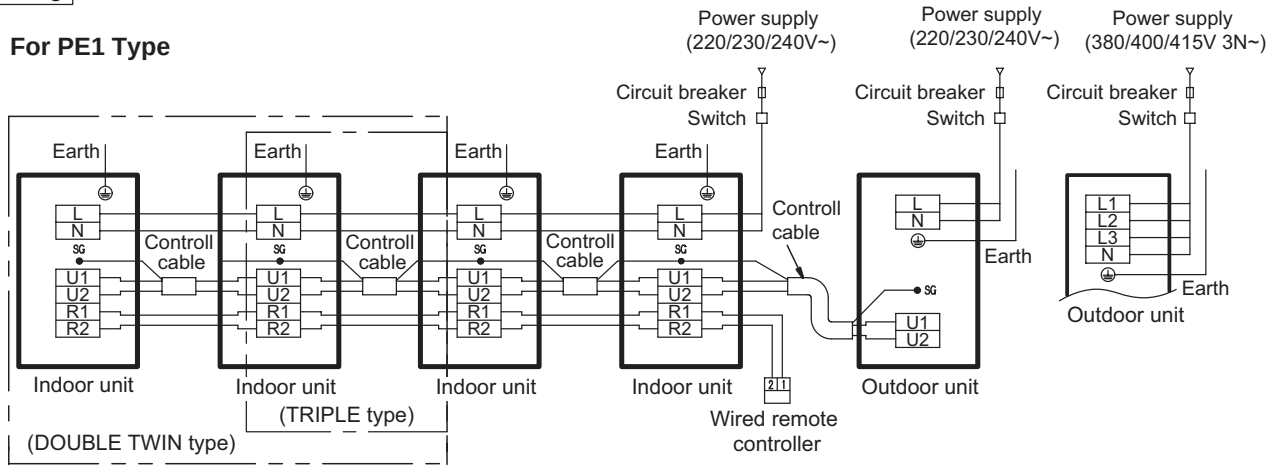
- For the twin connection, the amount of refrigerant required for pipe length 30m has been included in this unit at the factory. No additional charge is required for the first 30m pipe length in the case of the twin connection. The amount of included refrigerant for each model is listed on NAME PLATE.
  Make additional charges by adding up pipe length in an order of main pipe (L) → branch pipe (La → Lb wide diameter) and then selecting the amount of refrigerant corresponding to the remaining (after 30m for the twin connection) liquid side pipe diameter and pipe length from the below table.

(unit: mm)

Liquid pipe diameter	Addition amount of refrigerant [g/m]
ø6.35	20
ø9.52	50

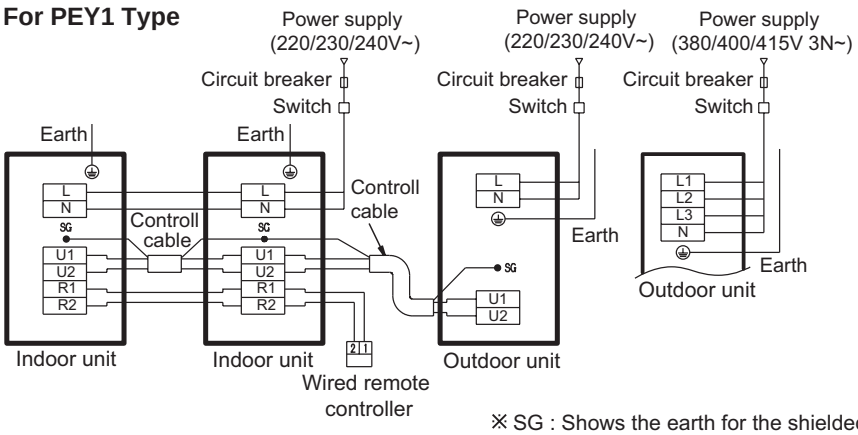
Wiring

For PE1 Type



※ SG : Shows the earth for the shielded cable.

For PEY1 Type



※ SG : Shows the earth for the shielded cable.

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PRECAUTIONS REGARDING TEST RUN

Check Before Test Run

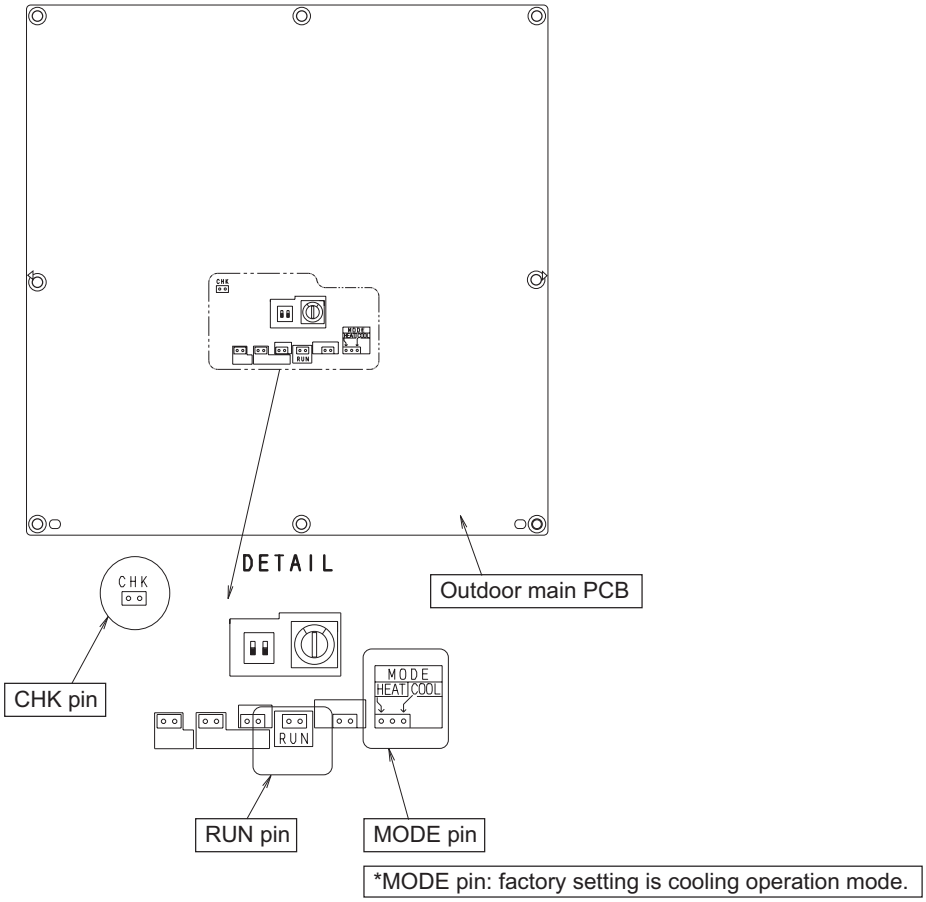
	Content check
Power supply cable Indoor/outdoor connection wire Earth wire	● Is the wire set up and connected as described in the instructions? Check for any phase sequence. ● Are the wire connection's screws loose? ● Is the open and close device / leakage breaker installed? ● Is the power supply cable's thickness and length appropriately measured as described in the instructions? ● Is it earthed (grounded)? ● Check that the insulation resistant value is more than 1 MΩ. Use the 500 V mega-testers to measure the insulation. Do not use the mega-tester for any other circuit except for voltage of 220V to 240V or 380-415V. ● Are the wire connections for the indoor/outdoor units connected as described in the instructions? Are there any looped wires? ● Was the "N-phase" surely connected when connecting the power supply wire on the three-phase model? If N-phase is not connected, only the fan may repeat turning ON/OFF without the compressor operating. In that case, check if there is any problem with N-phase connection.
Refrigerant pipe	● Is the piping installed as described in the instructions? ● Are the pipes sizes appropriate? ● Does the pipe's length adhere to the specifications? ● Is the branch pipe slant being appropriately done as described in the instructions? ● Was vacuum removal sufficiently carried out? ● Was the leak tightness test carried out with nitrogen gas? Use the testing pressure of 3.8 MPa (PEY1 type : 4.15 MPa). ● Is the piping insulation material appropriately installed? (Insulation material is necessary for both gas and liquid piping.) ● Is the 3-way valve for the liquid side and gas side open?

- Always be sure to use a properly insulated tool to operate the short-circuit pin on the circuit board. (Do not use your finger.)
- Never switch the power supply ON until the installation has completed.
- Supply electrical current through all indoor units and check the voltage.
- Supply electrical current through all the outdoor units and check each inter-phase voltage.
- Before the test run, ensure to check that the 3-way valve is open. Operating while the valve is closed causes the compressor to fail.

Test Run Procedure

- If there are duplicated system addresses, or if the settings for the Nos. of the indoor units are not consistent, an alarm will occur and the system will not start.
- Switch the power supply ON both indoor and outdoor units.
- Short-circuit CHK pin on the outdoor main PCB.
  Do not remove CHK pin until test run is completed.
  Removing CHK pin stops test run.
- Short-circuit RUN pin on the outdoor main PCB for one second or longer.
  Factory setting is cooling operation mode and cooling operation test run starts.
  If heating operation starts, short-circuit both right side and centre of the MODE pin (centre and COOL) continuously.
- Ensure to conduct a test run. In addition, be sure to run the cooling operation test run for at least 20 minutes before startingthe heating operation test run.
- To conduct heating operation test run, short-circuit left side and centre of the MODE pin (centre and HEAT) continuously.
- Removing CHK pin's and MODE pin's short-circuit stops test run.
- For the test run using remote control unit, please see installation manual included with the remote control unit.

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CHECKS AFTER INSTALLATION HAVE COMPLETED

- Check the following items after completing installation.
  - ☐ Is there a short circuit with the intake air flow?
  - ☐ Is the insulation secure? (Refrigerant piping)
  - ☐ Are there any errors with the wiring?
  - ☐ Are the terminal screws loose? Tightening torque (Unit: N • m {kgf • m})
    M4… 1.57 - 1.96 {0.16 - 0.2}, M5... 1.96 - 2.45 {0.2 - 0.25}.
  - ☐ Is the drain water flowing smoothly?
  - ☐ Is the insulation material properly installed?
  - ☐ Is the earth wire securely connected?
  - ☐ Is the front panel and the indoor unit air conditioner firmly fixed and was the installation completed without any leakage from the refrigerant?
  - ☐ Are the indoor and outdoor units secured firmly installed with bolts at secured locations?

REGARDING DELIVERY TO THE CUSTOMER

- Request the customer to review the instruction manual and explain the operating method for the product.
- In addition, it is also recommended that regular inspection checks are agreed upon for maintenance.

User inspection places	• Filter and grille cleaning • Exterior cleaning
Serviceman inspection places	• Check the operating status • Clean the drain pan or things related to the water discharge • Heat exchanger cleaning

Refer to the installation instruction manual provided with the indoor unit for the specifications on the indoor unit installation.

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■ Optional Distribution Joint Kits

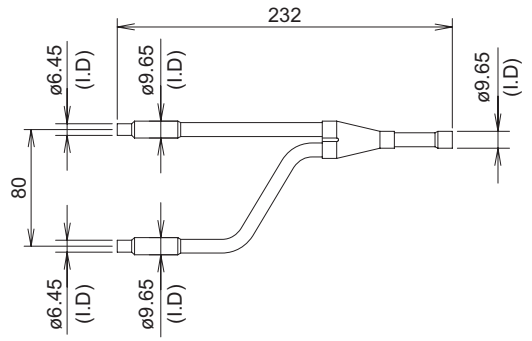
● CZ-P155BK1

- Prior to undertaking the installation work, read carefully through the “Installation Instructions” for the air conditioner and this “Installation Instructions”.
- This line branch pipe is used for the R410A refrigerant.

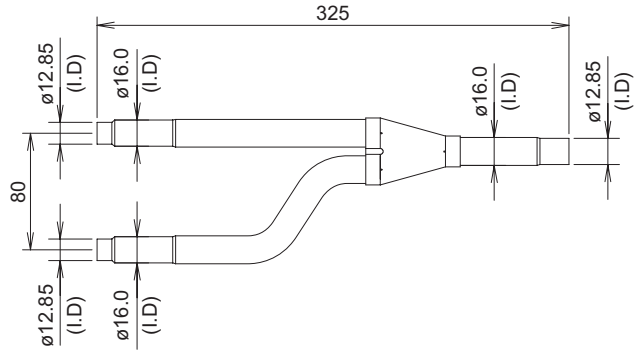
1. Details of parts supplied

Unit : mm (in.)

1 Liquid side branch pipe (inner diameter)



2 Gas side branch pipe (inner diameter)



3 Thermal insulator (Gas side)	4 Thermal insulator (Liquid side)	5 Installation Instructions
1 pc	1 pc	1 sheet

2. Indoor/Outdoor unit piping installation

- For details on the allowable amount of refrigerant, allowable pipe lengths and allowable elevation difference, refer to the Installation Instructions provided with the outdoor unit.
- The diameter of the piping for the indoor and outdoor units differs depending on the model of the unit. (Refer to respective diameter of the piping for the indoor and the outdoor units and install accordingly.) Use pipe cutters to cut the appropriate connecting section of the branch pipe to match the diameter of piping for the indoor and outdoor units.

Pipe diameter for indoor unit

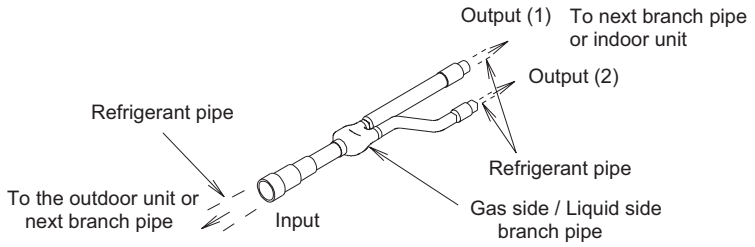
Cooling capacity of the indoor unit	Liquid side pipe diameter	Gas side pipe diameter
< 6.0 kW	ø6.35	ø12.7
6.0 kW ≤	ø9.52	ø15.88

Pipe diameter for outdoor unit

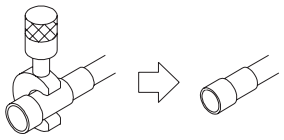
Cooling capacity of the outdoor unit	Liquid side pipe diameter	Gas side pipe diameter
7.1 kW - 15.5 kW	ø9.52	ø15.88

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2-1 Installation Instructions

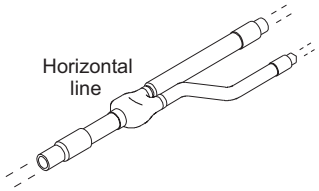


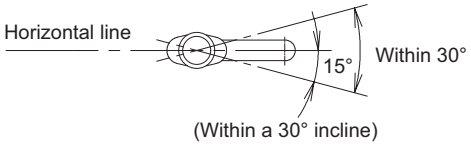
- If the size of the selected refrigerant pipe and the size of the branch pipe differ, cut the connecting section with pipe cutters per the illustration at right.
  (Be sure to deburr and remove any impurities on the cutting surface.)

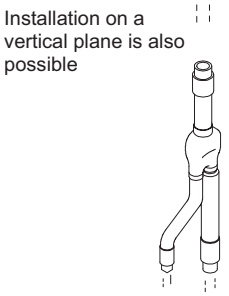


2-2 Installation precaution

Position the branch pipe on the appropriate horizontal and vertical plane so that branch flow is even.







2-3 Precautions at connecting points

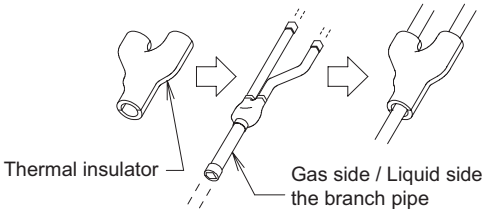
After removing any impurities at the mouth of the pipe or the connecting points, be sure to clean the inside of the pipe with nitrogen gas (nitrogen displacement) to prevent oxide scale forming on the inner surface of the pipe. This step is extremely important when making the connections in the refrigerant piping. (Do not use an antioxidant)

3. Insulation directions

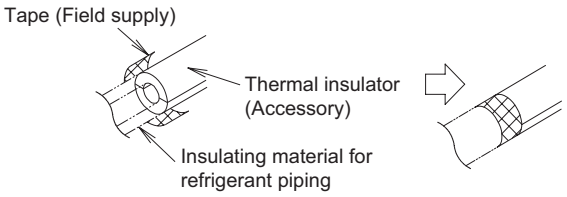
Gas side / Liquid side branch pipe insulation.

Note: Use insulating material that can tolerate 120°C on the gas side.

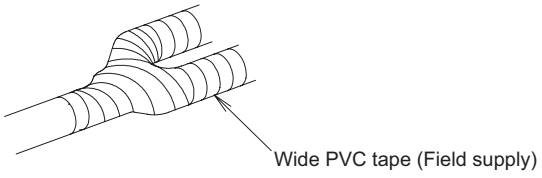
1) Insulate the gas side / liquid side of the branch pipe with thermal insulator.



2) Wrap tape all around the areas where the insulating materials are joined in order to seal it.



3) Wrap a wide PVC tape all around the surfaces where the ends of the branch pipe and insulating materials are abutted so as to close any gaps.



Note: Do not use any adhesive agents on the connections between thermal insulator.

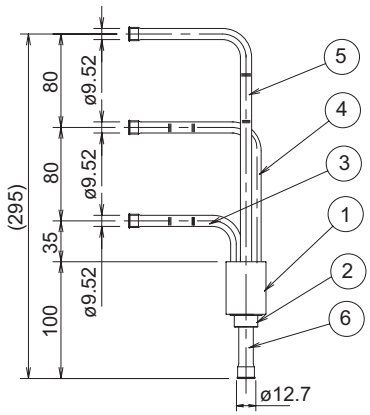
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● CZ-P3HPC2

Unit : mm

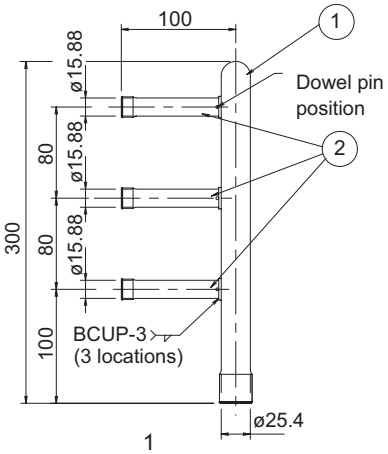
CZ-P3HPC2 (for simultaneous Triple)

Liquid distribution joint for liquid tube



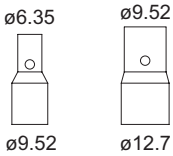
1

Gas distribution joint for gas tube



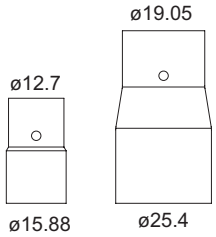
1

Liquid-tube side tube connector



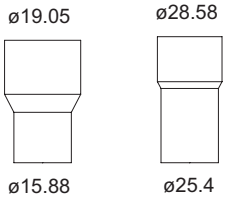
3 1

Gas-tube side tube connector



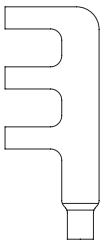
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Gas-tube side tube connector



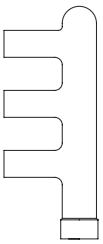
2 1

Thermal insulation for liquid distribution joints



1

Thermal insulation for gas distribution joints



1

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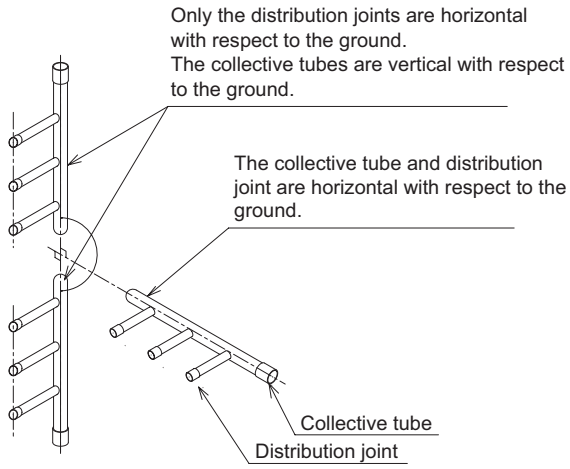
■ Installing Distribution Joint Kit (for Triple) (CZ-P3HPC2)

- Check the system combination before installing the distribution joints.
- Three indoor units must be installed within the same room.
- Use the supplied tube connectors to adjust the tube sizes of the distribution joints.

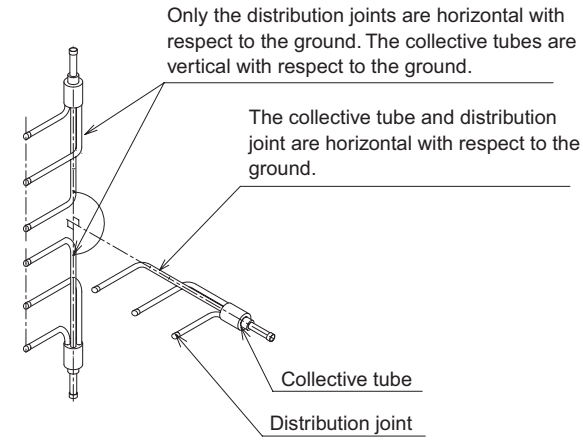
How to Install Distribution Joints

Use the supplied distribution joints to complete refrigerant tubing work.
Install distribution joints so that the tubes are horizontal after the branch point.

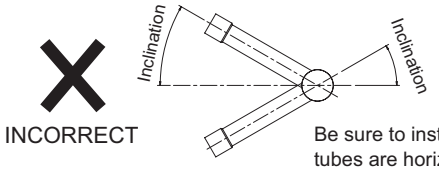
Orientation of distribution joints



<Gas tube side>



<Liquid tube side>

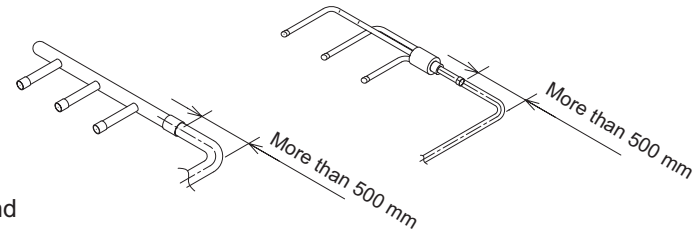


INCORRECT

Be sure to install so that the tubes are horizontal after the branch point.

Length requirement for strainer on main distribution tube side

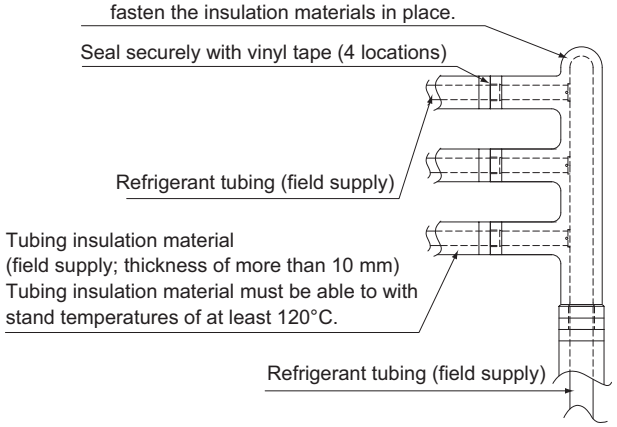
Attach a straight tube 500 mm or longer to the main tubing side of the distribution joint (for both liquid and gas tubing).



Tubing insulation

Be sure to apply thermal insulation to both the liquid and gas tubing.
Depending on the conditions inside the ceiling, condensation may form on the insulation material. If high temperatures and high humidity are expected to occur inside the ceiling, add glass wool (16-20 kg/m^3, with a thickness of 10 mm or more) to the below insulation materials and apply sufficient thermal insulation.

Distribution joint insulation material (supplied)
- Use the supplied insulation material.
- The supplied insulation material include only a tape for temporarily fastening.
- Use insulation material or other material to seal the joining lines so that there are no gaps.
- Use vinyl tape or similar means to seal and fasten the insulation materials in place.



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1. SELECTING THE INSTALLATION SITE
4-Way Cassette Type (U1)

Indoor Unit

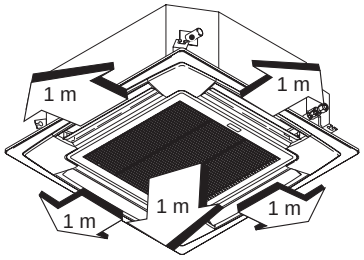
AVOID:

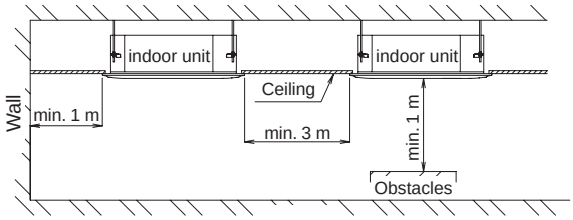
- areas where leakage of flammable gas may be expected.
- places where large amounts of oil mist exist.
- direct sunlight.
- locations near heat sources which may affect the performance of the unit.
- locations where external air may enter the room directly. This may cause “condensation” on the air discharge ports, causing them to spray or drip water.
- locations where the remote controller will be splashed with water or affected by dampness or humidity.
- installing the remote controller behind curtains or furniture.
- locations where high-frequency emissions are generated.

DO:

- select an appropriate position from which every corner of the room can be uniformly cooled.
- select a location where the ceiling is strong enough to support the weight of the unit.
- select a location where tubing and drain pipe have the shortest run to the outdoor unit.
- allow room for operation and maintenance as well as unrestricted air flow around the unit.
- install the unit within the maximum elevation difference above or below the outdoor unit and within a total tubing length (L) from the outdoor unit as detailed in the Installation Instructions packed with the outdoor unit.
- allow room for mounting the remote controller about 1 m off the floor, in an area that is not in direct sunlight or in the flow of cool air from the indoor unit.

4-Way Cassette Type





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■ HOW TO INSTALL THE INDOOR UNIT

■ 4-Way Cassette Type (U1 Type)

Note: For DC Fan Tap Change Procedure for 4-Way Cassette, see page 1-339.

Preparation for Suspending

This unit uses a drain pump. Use a carpenter's level to check that the unit is level.

Suspending the Indoor Unit

(1) Fix the suspension bolts securely in the ceiling using the method shown in the diagrams (Figs. 1-1 and 1-2), by attaching them to the ceiling support structure, or by any other method that ensures that the unit will be securely and safely suspended.

(2) Follow Fig. 1-2 and Table 1-1 to make the holes in the ceiling.

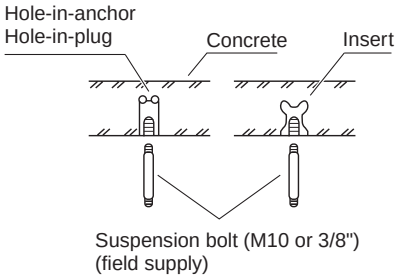


Fig. 1-1

Table 1-1 Unit: mm

Type \ Length	A	B	C	D
36, 45, 50, 60, 71, 100, 125, 140	786	745	860 to 910	860 to 910

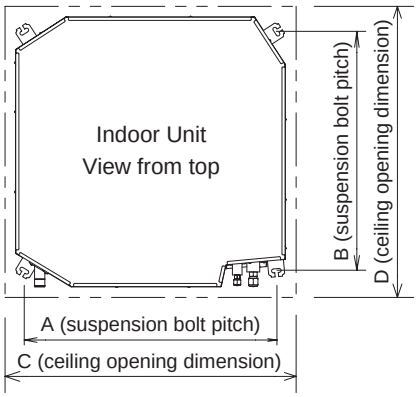


Fig. 1-2

(3) Determine the pitch of the suspension bolts using the supplied full-scale installation diagram. The diagram and table (Fig. 1-3 and Table 1-2) show the relationship between the positions of the suspension fitting, unit, and panel.
Use the nut (field supply) and washer (supplied) for upper and lower position of the suspension lug.

Table 1-2 Unit: mm

Type \ Length	A	B	C	D	E
36, 45, 50, 60, 71	121	171	256	180	130
100, 125, 140	121	171	319	180	130

Unit: mm

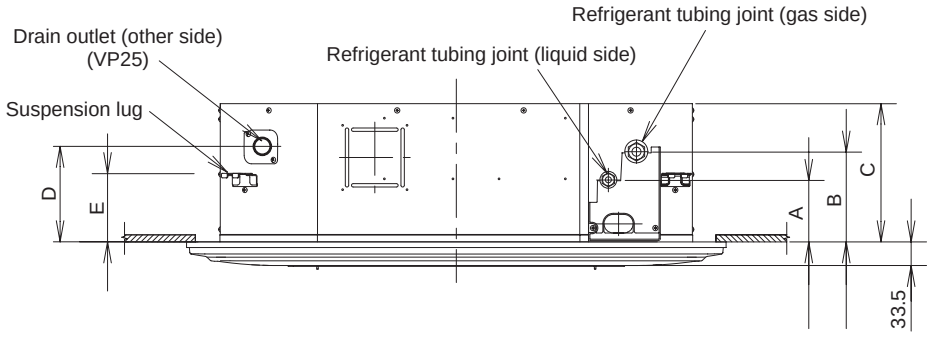


Fig. 1-3

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Placing the Unit Inside the Ceiling

This unit is equipped with the drain pump. Check a tape measure or carpenter's level.

Before installing the ceiling panel, complete the work of drain pipe and refrigerant pipe installation.

(1) When placing the unit inside the ceiling, determine the pitch of the suspension bolts using the supplied full-scale installation diagram. (Fig. 1-4)
Tubing and wiring must be laid inside the ceiling when suspending the unit. If the ceiling is already constructed, lay the tubing and wiring into position for connection to the unit before placing the unit inside the ceiling.

(2) The length of suspension bolts must be appropriate for a distance between the bottom of the bolt and the bottom of the unit of more than 18 mm as shown in Fig. 1-4.

(3) Thread the 3 hexagonal nuts and 2 washers (field supply) onto each of the 4 suspension bolts as shown in Fig. 1-5. Use 1 nut and 1 washer for the upper side, and 2 nuts and 1 washer for the lower side, so that the unit will not fall off the suspension lugs.

(4) Adjust so that the distance between the unit and the ceiling bottom is 12 to 17 mm. Tighten the nuts on the upper side and lower side of the suspension lug.

(5) Remove the protective polyethylene used to protect the fan parts during transport.

(6) Check with a tape measure or carpenter's level.

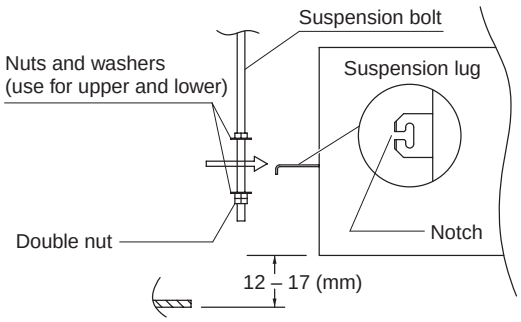
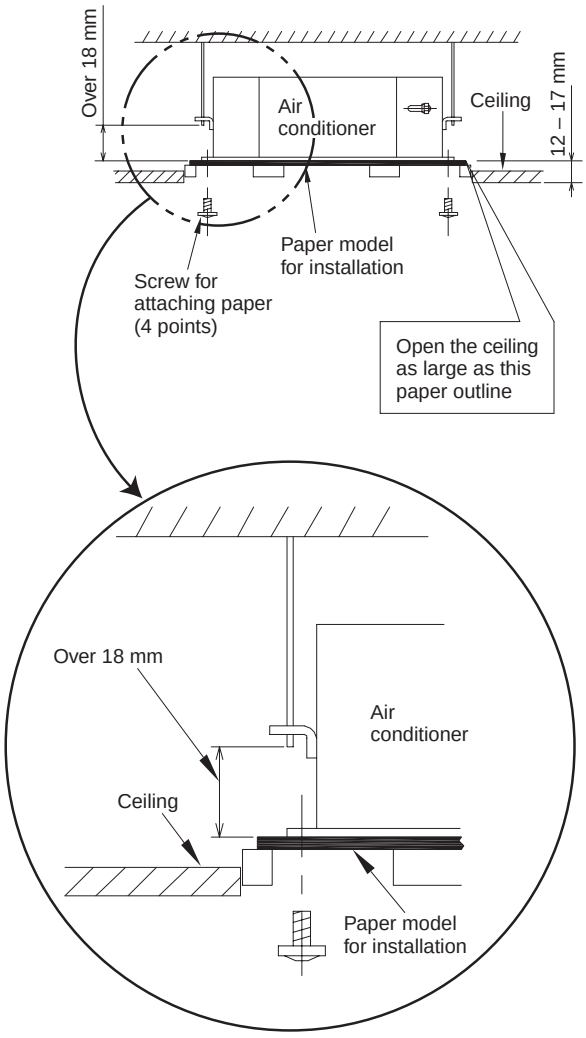


Fig. 1-5



Full-scale installation diagram
(printed on top of container box)

Fig. 1-4

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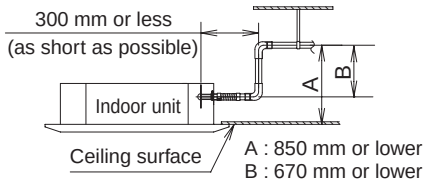
Installing the Drain Pipe

Before Performing the Installation Drain Piping

(1) Limitations of Raising the Drain Pipe Connection

CAUTION

- The drain pipe can be raised to a maximum height of 850 mm from the bottom surface of the ceiling. Do not attempt to raise it higher than 850 mm. Doing so will result in water leakage. (Fig. 1-6)



* Length of supplied drain pipe = 250 mm

Fig. 1-6

(2) Limitations of Drain Pipe Connection

CAUTION

- Do not install the drain pipe with an upward slant from the drain port connection. This will cause the drain water to flow backward and leak when the unit is not operating. (Fig. 1-7)
- Do not install an air bleeder as this may cause water to spray from the drain pipe outlet. (Fig. 1-7)
- Do not provide U-trap or bell-shaped trap in the middle of the drain pipe. Doing so will cause abnormal sound. (Fig. 1-7)
- Make sure the drain pipe has a downward slant (1/100 or more; downward from drain port connection). (Fig. 1-8)

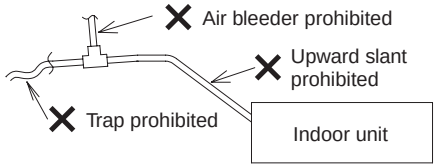


Fig. 1-7

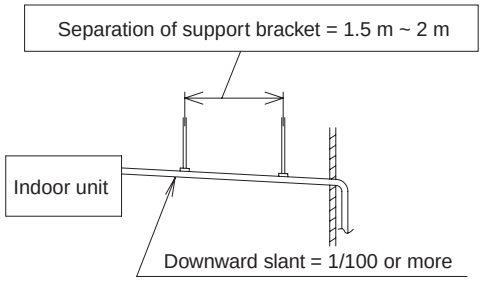


Fig. 1-8

(3) Limitations of Drain Hose Connection

CAUTION

- Do not bend the supplied drain hose 90° or more. Bend it less than 45°. (Fig. 1-9)
- Do not make a trap in the middle of the supplied drain hose. Doing so will cause abnormal sound. (Fig. 1-10)

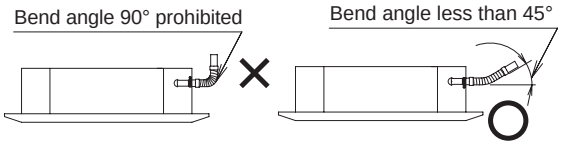


Fig. 1-9

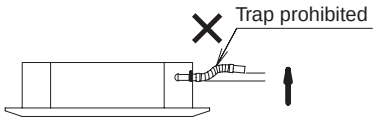


Fig. 1-10

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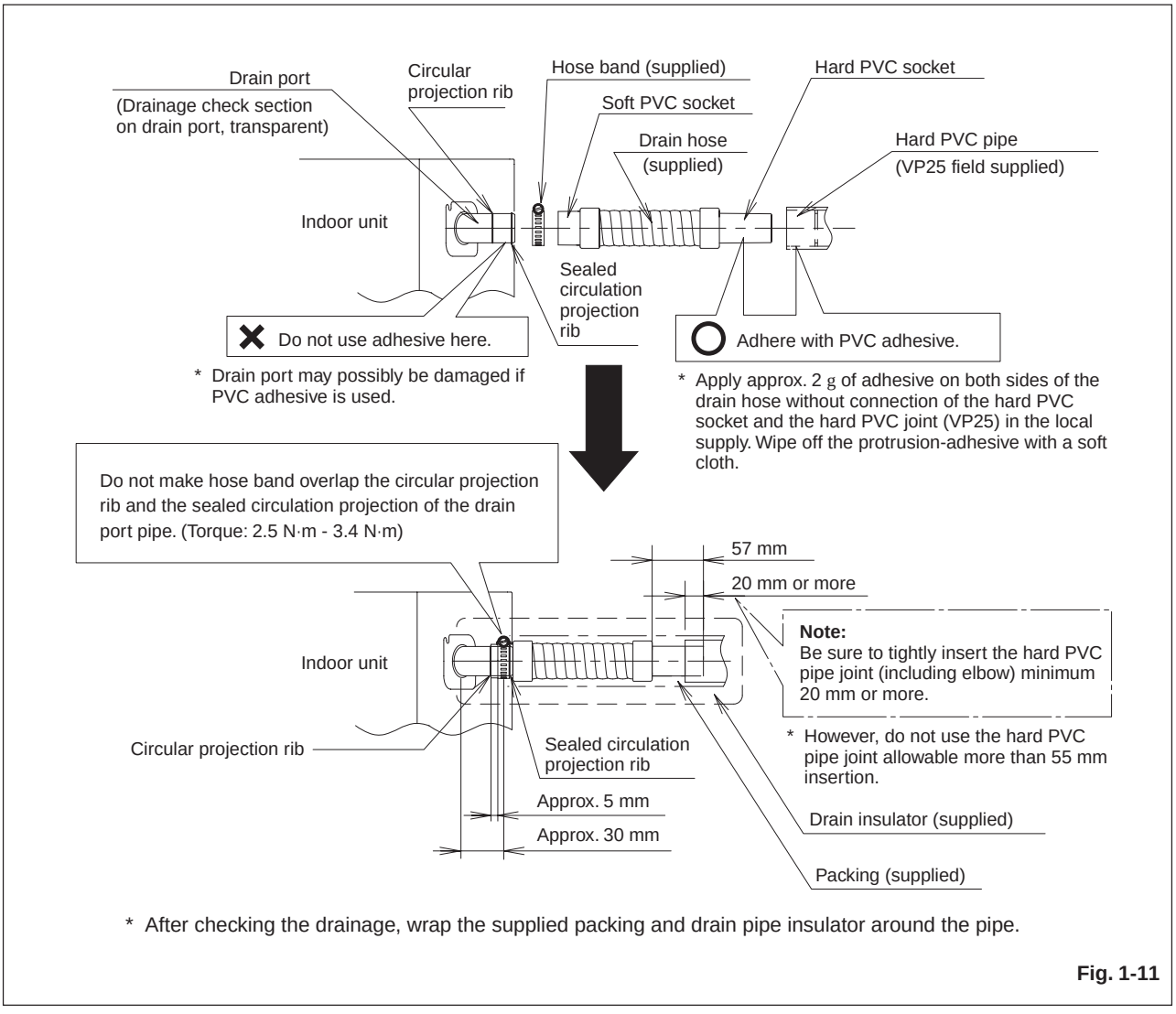
Installing the Drain Pipe

CAUTION

- Do not apply force to the drain port when connecting the drain pipe. Install and fix it near the indoor unit as close as possible.
- Do not use adhesive when connecting the drain port pipe and the drain hose.

(1) How to Install the Drain Pipe

1) First insert the supplied hose band into the drain port pipe. Then make sure the head of the screw is facing toward a technical engineer when placing the screw of the hose band at an upward angle.
2) Insert the soft PVC socket of the supplied drain hose to the drain port pipe. Do not use adhesive when connecting the drain hose to the drain port pipe. Insert it until the tip of the drain hose contacts the circular projection rib of the drain port pipe.
3) Move the hose band so that the center position of the hose band can be placed approx. 30 mm away from the external plate of the indoor unit. (Fig. 1-11)
4) Screw the drain hose tightly facing the screw of the hose band upward. (Torque: 2.5 N·m - 3.4 N·m) (If the screw is tightened beneath the drain hose, the troubles will be generated.) Pay attention not to make hose band overlap the circular projection rib and the sealed circulation projection of the drain port pipe.
5) Apply approx. 2 g of adhesive on both sides of the drain hose without connection of the hard PVC socket and the hard PVC joint (VP25) in the local supply.
6) Connect the drain hose and the hard PVC joint so that the adhesive area of both sides can be overlapped. Wipe off the protrusion-adhesive with a soft cloth.



* After checking the drainage, wrap the supplied packing and drain pipe insulator around the pipe.

Fig. 1-11

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Checking the Drainage

CAUTION **Be careful since the fan will start when you short the pin on the indoor control board.**

After wiring and drain piping are completed, use the following procedure to check that the water will drain smoothly. For this, prepare a bucket and wiping cloth to catch and wipe up spilled water.

(1) Connect power to the power terminal board (L, N terminals) inside the electrical component box.
(2) Slowly pour about 1,200 cc of water into the drain pan to check drainage. (Fig. 1-12)
(3) Short the check pin (CHK) on the indoor control board and operate the drain pump. Check the water flow through the transparent drain pipe and see if there is any leakage.
(4) When the check of drainage is complete, open the check pin (CHK) and remount the tube cover.
(5) Checkpoint after installation

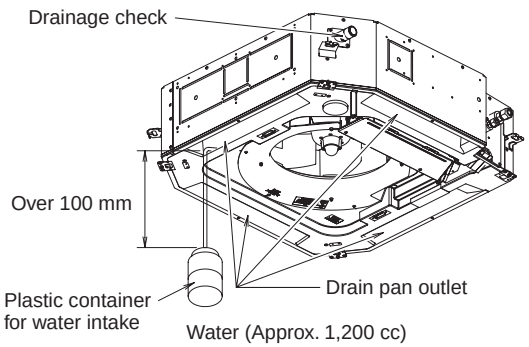


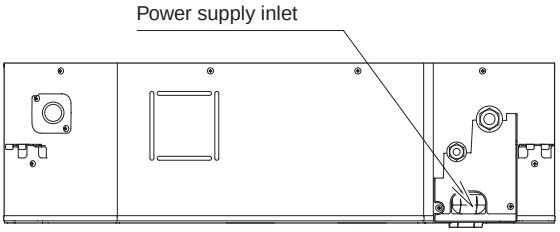
Fig. 1-12

After installation of indoor and outdoor units, panels and electrical wiring, check the following items.

Checkpoint		Symptom	Check	Remark
1	Make sure whether indoor and outdoor units are correctly installed.	Fall, vibration, noise		
2	Make sure whether gas leakage is tested.	No cooling, no heating		
3	Make sure whether insulation is completed. (Refrigerant piping and drain piping)	Water leakage		
4	Make sure whether drain water is running smoothly.	Water leakage		
5	Make sure whether the power voltage matches the nameplate.	Inoperative, burnout		
6	Make sure whether there is miswiring or incorrect connection.	Inoperative, burnout		
7	Make sure whether the ground construction is completed.	Ground leakage		
8	Make sure whether the wire gauge is followed by the recommended specifications.	Inoperative, burnout		
9	Make sure whether the air intake and air outlet of the indoor and outdoor units are sealed by obstacles.	No cooling, no heating		

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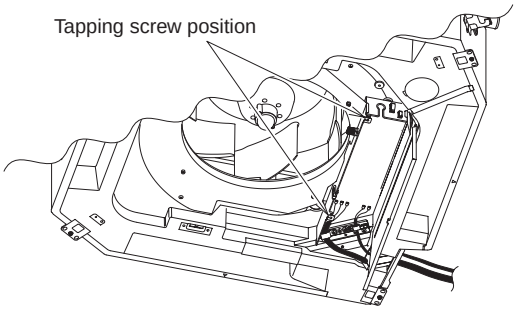
Important Note for Wiring 4-Way Cassette Type



(1) The power supply inlet is located at the lower area of the refrigerant tubing side of the unit. The electrical component box is located at the air intake of the bottom of the unit.

(2) Before installing the ceiling panel, be sure to carry out the wiring connection.

(3) Remove the lid located on the bottom of the indoor unit attaching the electrical component box by unscrewing the philip head tapping screws (×2).



(4) Lead the wires from the power supply inlet to the unit. Be sure to lead the wires through the power supply inlet. Make sure that no wire is caught between the indoor unit and ceiling panel. Otherwise, the unit may cause a fire.

(5) Connect the wires into the terminals through the power supply inlet for the electrical component box.
Fix the wires with a clamping clip.

(6) Reinstall the lid of the electrical component box in its original position with paying attention not to have the wires caught in the lid.
Refer to “1-10. Electrical Wiring”.

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How to Install the Ceiling Panel

(1) Removing the air-intake grille

1) Remove the 2 screws on the latch of the air-intake grille. (Fig. 1-13) (Reattach the air-intake grille after installation of the ceiling panel.)

2) Slide the air-intake grille catches in the direction shown by the arrows ① to open the grille. (Fig. 1-13)

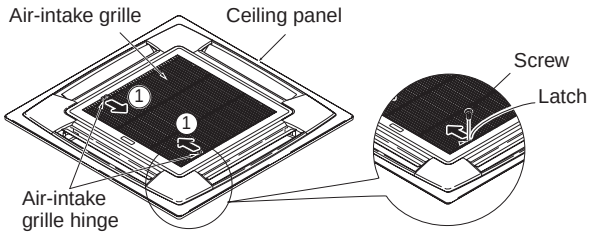


Fig. 1-13

3) With the air-intake grille opened, remove the grille hinge from the ceiling panel by sliding it in the direction shown by the arrow ②. (Fig. 1-14) (Reattach the air-intake grille after installation of the ceiling panel.)

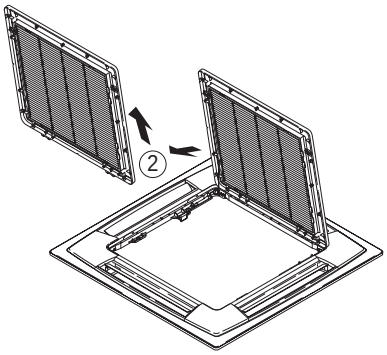


Fig. 1-14

(2) Removing the corner cover

Slide the corner cover in the direction of the arrow ① and remove it.

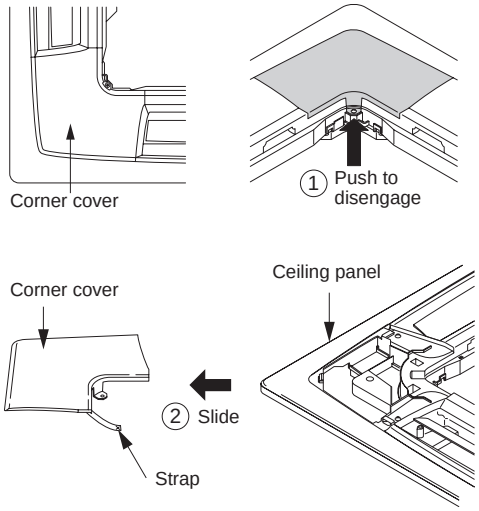


Fig. 1-15

(3) Installing the ceiling panel

The power must be turned ON in order to change the flap angle. (Do not attempt to move the flap by hand. Doing so may damage the flap.)

1) Hang the temporary latches on the inside of the ceiling panel to the receptacle on the unit to temporarily attach the ceiling panel in place. (Fig. 1-16)

- The ceiling panel must be installed in the correct direction relative to the unit. Align the REF. PIPE and DRAIN marks on the ceiling panel corner with the correct positions on the unit.
- When removing the ceiling panel, push the temporary latches outward while holding the ceiling panel. (Fig. 1-16)

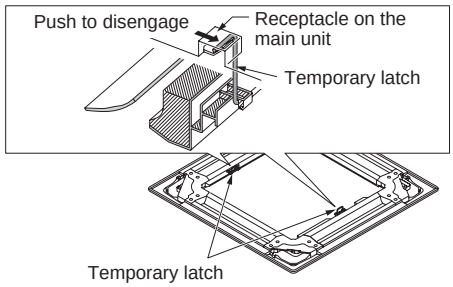


Fig. 1-16

2) Align the panel installation holes and the unit screw holes.

3) Tighten the supplied washer head screws at the 4 panel installation locations so that the panel is attached tightly to the unit. (Fig. 1-17)

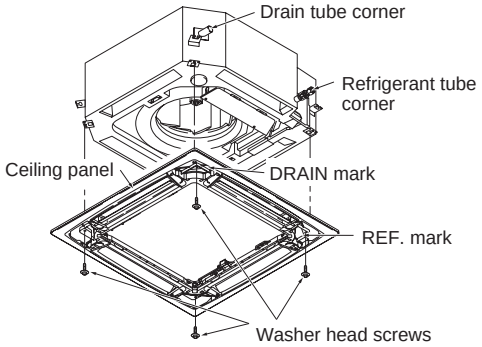


Fig. 1-17

4) Check that the panel is attached tightly to the ceiling.

- At this time, make sure that there are no gaps between the unit and the ceiling panel, or between the ceiling panel and the ceiling surface. (Fig. 1-18)

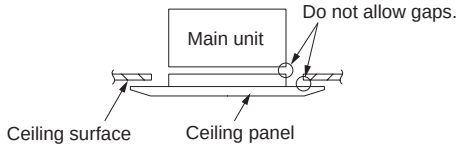
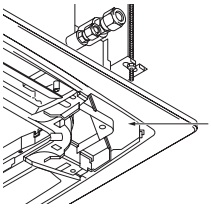


Fig. 1-18

- If there is a gap between the panel and the ceiling, leave the ceiling panel attached and make fine adjustments to the installation height of the unit to eliminate the gap with the ceiling. (Fig. 1-19)



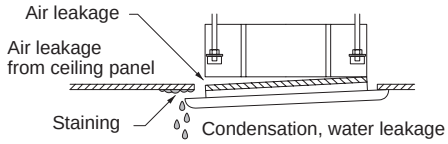
Make fine adjustments by a wrench or other tool to the installation height of the unit to eliminate the gap with the ceiling through the hole of the corner cover.

Fig. 1-19

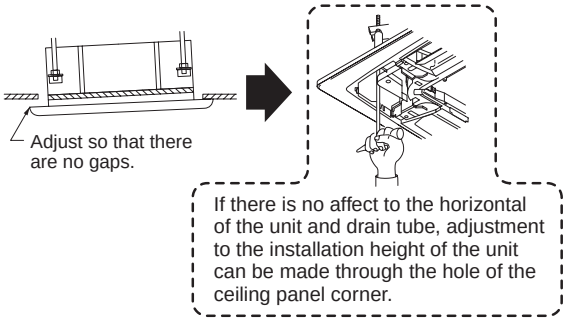
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CAUTION

- **If the screws are not sufficiently tightened, trouble such as that shown in the figure below may occur. Be sure to tighten the screws securely.**



- **If a gap remains between the ceiling surface and the ceiling panel even after the screws are tightened, adjust the height of the unit again.**



(4) Wiring the Ceiling Panel

1) Open the cover of the electrical component box for control PCB.
2) Connect the 22P connector (white) from the ceiling panel to the connector on the control PCB in the unit electrical component box. In this case, expose the cutout section of the tube for the wiring protection to the outside from the electrical component box and fix it with the clamper attached to the electrical component box.

- **If the connectors are not connected, the Auto Flap will not operate. Be sure to connect them securely. (If not connected completely, "09" will be displayed on the remote controller.)**
- **Check that the wiring connector is not caught between the electrical component box and the cover.**
- **Check that the wiring connector is not caught between the unit and the ceiling panel.**

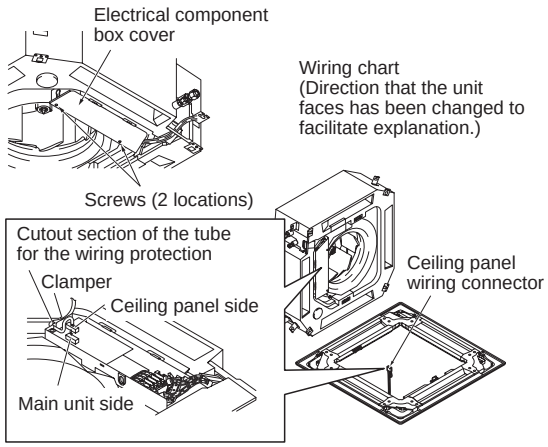
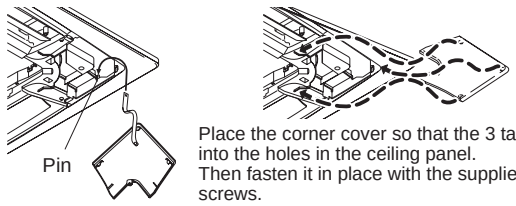


Fig. 1-20

(5) How to Attach the Corner & Air-Intake Grille

A. Attaching the corner cover

1) Check that the safety cord from the corner cover is fastened to the ceiling panel pin, as shown in the figure below.
2) Use the supplied screws to attach the corner cover to the ceiling panel.



B. Attaching the air-intake grille

- To install the air-intake grille, follow the steps for "Removing the grille" in the reverse order. By rotating the air-intake grille, it is possible to attach the grille onto the ceiling panel from any of 4 directions. Coordinate the directions of the air-intake grilles when installing multiple units, and change the directions according to customer's requests.
- When attaching the air-intake grille, be careful that the flap lead wire does not become caught.
- Be sure to attach the safety cord that prevents the air-intake grille from dropping off to the ceiling panel unit as shown in the figure below.
- With this ceiling panel, the directions of the air-intake grille lattices when installing multiple units, and the position of the label showing the company name on the corner panel, can be changed according to customer's requests, as shown in the figure below. However, the wireless signal receiver can only be installed at the refrigerant-tubing corner of the ceiling unit.

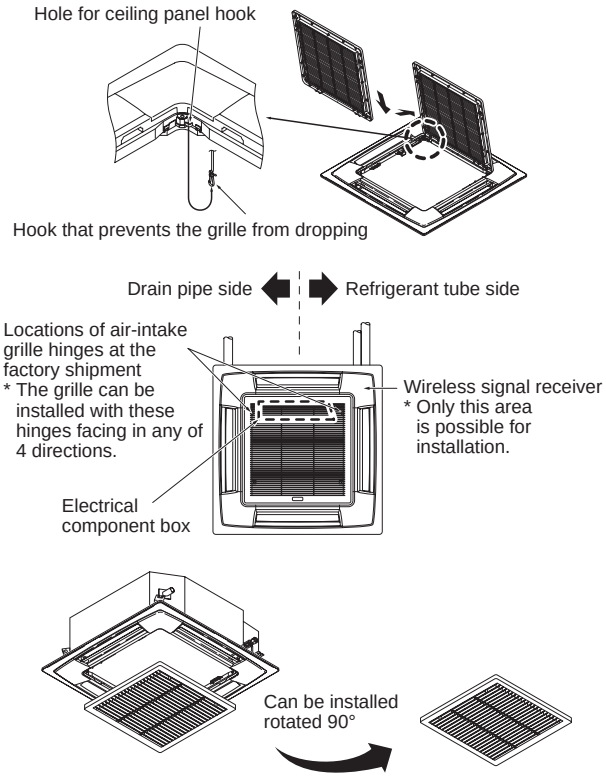


Fig. 1-21

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■ Others

(1) Checking After Installation

1) Check that there are no gaps between the unit and the ceiling panel, or between the ceiling panel and the ceiling surface.
   * Gaps may cause water leakage and condensation.

2) Check that the wiring is securely connected.
   * If it is not securely connected, the auto flap will not operate.
   ("P09" is displayed on the remote controller.)
   In addition, the water leakage and condensation may occur.

(2) Operating the Wireless Remote Controller

For details of installation, refer to the section "Wireless Signal Receiver" in the supplied installation instructions.

(3) Selecting DC Fan Motor Tap (4-Way cassette)

Check the optional parts accordingly in the following table.

Table for DC Fan Motor Tap Setting

Setting No.	Remote controller setting data Item code 5d	Contents & optional parts name
(3)	0003	Air-blocking material (for 3-way air discharge)
	0003	Air-blocking material (when a discharge duct is connected)
(6)	0006	Air-blocking material (for 2-way air discharge)

*1 When using optional parts in different setting No. in combination with multiple units, conform it to the larger setting No.

1) When setting from the P.C. Board

<Procedure>

Stop the system before performing these steps.

1 Open the electrical component box cover, then check the indoor unit control PCB.

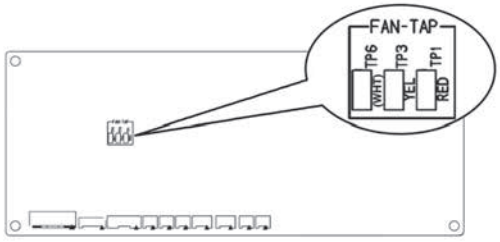
2 Connect the jumper connector (2P: yellow) which was supplied with the accessory to the correct connector pin on the indoor unit control PCB according to the setting number which was confirmed in Table for DC Fan Motor Tap Settings.

Setting No. (3) :

Then connect the jumper connector to the connector pin TP3 (2P: yellow) on the indoor unit control PCB.

Setting No. (6) :

Then connect the jumper connector to the connector pin TP6 (2P: white) on the indoor unit control PCB.



2) When setting with the Wired Remote Controller

<Procedure>

Stop the system before performing these steps.

① Press and hold the [🔧], [SET] and [CANCEL] buttons simultaneously for 4 seconds or longer.

② If group control is in effect, press the [UNIT] button and select the address (unit No.) of the indoor unit to set. At this time, the fan at the indoor unit begins operating.

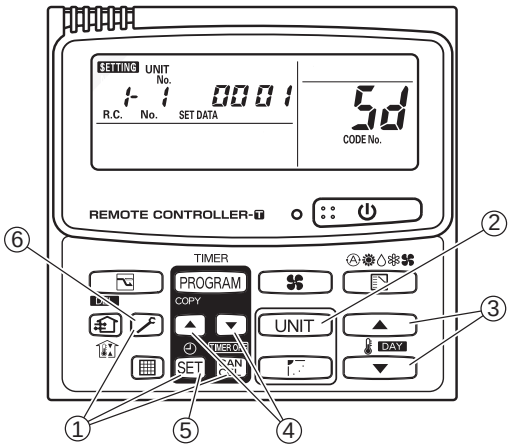
③ Designate the item code 5d by adjusting the Temperature Setting [▲] / [▼] buttons.

④ Press the timer time [▲] / [▼] buttons to select the desired setting data.
   * For item codes and setting data, refer to "Table for DC Fan Motor Tap Setting".

⑤ Press the [SET] button.
(The display stops blinking and remains lit, and setting is completed.)
   * If air-blocking material is used, use the same procedure as in steps ③ – ⑤ above and change the setting for item code "62" to "0000."

If you wish to change the selected indoor unit, follow the step ②.

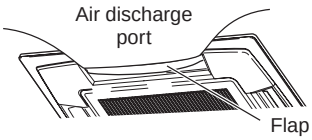
⑥ Press the [🔧] button to return to normal remote controller display.



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(4) Setting the Flap Separately (When setting the CZ-RTC2)

1) The 4-air outlet flap can be adjusted separately during operation. When not adjusted separately, all flaps operate in the same manner.



<Procedure>

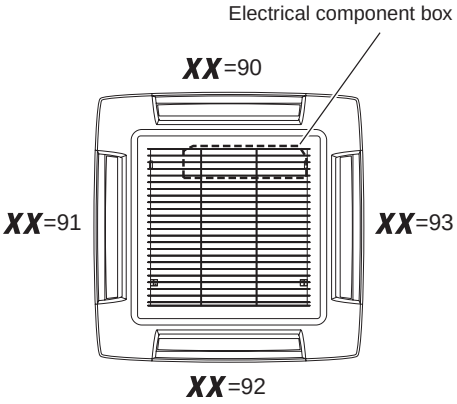
Stop the system before performing these steps.

① Press and hold the [wrench], [SET] and [CANCEL] buttons simultaneously for 4 seconds or longer.

② If group control is in effect, press the [UNIT] button and select the address (unit No.) of the indoor unit to set. At this time, the fan at the indoor unit begins operating.

③ " SETTING ," unit No. " 1- 1 " (or " ALL " in the case of group control), item code " XX ," and settings data " YYYY " are displayed blinking on the remote controller LCD display.

④ Designate the item code " XX " by adjusting the Temperature Setting [▲] / [▼] buttons.



⑤ Press the timer time [▲] / [▼] buttons to select the desired setting data.

Flap position

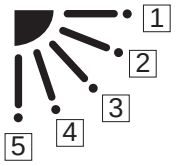


Fig. 1-22

* Setting data " YYYY " (refer to Fig. 1-22)

Setting data	Flap position during operation
0000	Without separate setting
0001	Swing
0002	Move to position 1 and stay
0003	Move to position 2 and stay
0004	Move to position 3 and stay
0005	Move to position 4 and stay
0006	Move to position 5 and stay

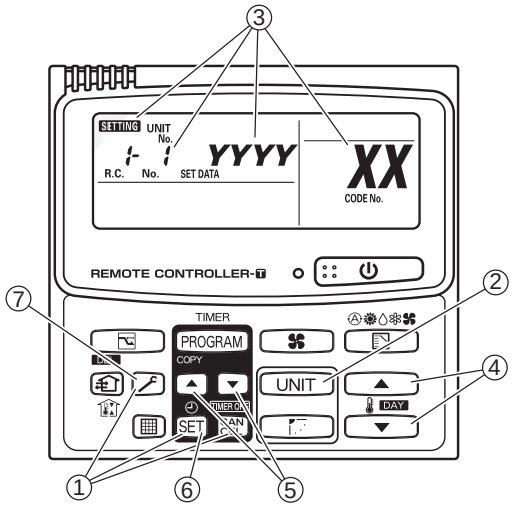
When the flap position is set to 4 or 5 and the unit is in the cooling or dry mode, the flap position is moved to 3 and the operation is started. (refer to Fig. 1-22)

NOTE

The flap swings during the operation under "Setting the Flap Separately".
At this time, the unselected flaps are moved to the position 1. (refer to Fig. 1-22)

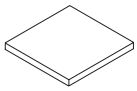
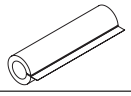
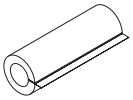
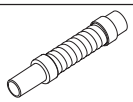
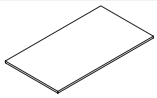
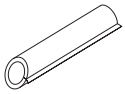
⑥ Press the [SET] button.
(The display stops blinking and remains lit, and setting is completed.)
If you wish to change the selected indoor unit, follow the step ② .

⑦ Press the [wrench] button to return to normal remote controller display.



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(4-Way Cassette)

Part Name	Figure	Q'ty	Remarks
Full-scale installation diagram		1	Printed on container box
Washer		8	For suspension bolts
Screw		4	For full-scale installation diagram
Insulating tape	 (White)	2	For gas and liquid tube flare nuts
Flare insulator		1	For liquid tube
Flare insulator		1	For gas tube
Drain hose		1	
Hose band		1	For securing drain hose
Packing		1	
Drain insulator		1	
Clamper		3	
Operating Instructions		1	A5-size
Installation Instructions		1	Included this instructions

- Use M10 for suspension bolts.
- Field supply for suspension bolts and nuts.

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2. SELECTING THE INSTALLATION SITE 4-Way Cassette 60×60 Type (Y1)

Indoor Unit

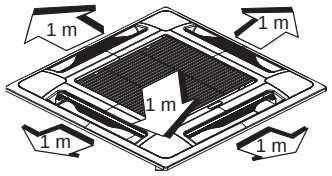
AVOID:

- areas where leakage of flammable gas may be expected.
- places where large amounts of oil mist exist.
- direct sunlight.
- locations near heat sources which may affect the performance of the unit.
- locations where external air may enter the room directly. This may cause “condensation” on the air discharge ports, causing them to spray or drip water.
- locations where the remote controller will be splashed with water or affected by dampness or humidity.
- installing the remote controller behind curtains or furniture.
- locations where high-frequency emissions are generated.

DO:

- select an appropriate position from which every corner of the room can be uniformly cooled.
- select a location where the ceiling is strong enough to support the weight of the unit.
- select a location where tubing and drain pipe have the shortest run to the outdoor unit.
- allow room for operation and maintenance as well as unrestricted air flow around the unit.
- install the unit within the maximum elevation difference above or below the outdoor unit and within a total tubing length (L) from the outdoor unit as detailed in the Installation Instructions packed with the outdoor unit.
- allow room for mounting the remote controller about 1 m off the floor, in an area that is not in direct sunlight or in the flow of cool air from the indoor unit.

4-Way Cassette 60 × 60



■ HOW TO INSTALL THE INDOOR UNIT

■ 4-Way Cassette 60 × 60 Type (Y1 Type)

Preparation for Ceiling Suspension

This unit uses a drain pump. Use a carpenter’s level to check that the unit is level.

Mounting the Suspension Bolts

(1) Fix the suspension bolts securely to the ceiling using the method shown in the diagrams (Figs. 2-1 and 2-2), by attaching them to the ceiling support structure, or by any other method that ensures that the unit will be securely and safely suspended.

(2) Follow the diagram to make the holes in the ceiling. (Refer to Fig. 2-3)

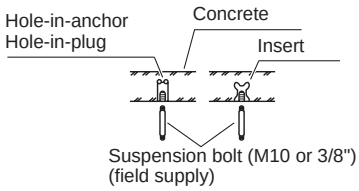
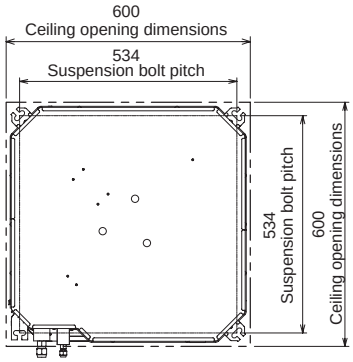


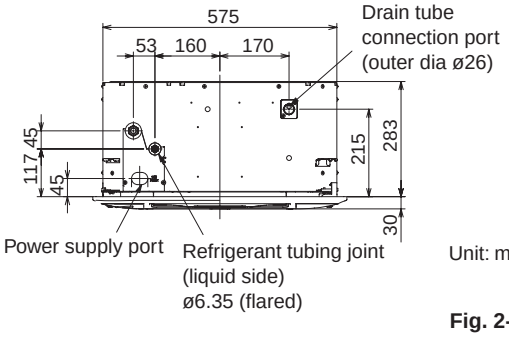
Fig. 2-1



Unit: mm

Fig. 2-2

(3) Determine the pitch of the suspension bolts using the supplied full-scale installation diagram. The diagram shows the relationship between the positions of the suspension fitting, the unit, and the panel.



Unit: mm

Fig. 2-3

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Placing the Unit Inside the Ceiling

(1) When placing the unit inside the ceiling, determine the pitch of the suspension bolts using the supplied full-scale installation diagram. (Fig. 2-4)

Tubing and wiring must be laid inside the ceiling when suspending the unit. If the ceiling is already constructed, lay the tubing and wiring into position for connection to the unit before placing the unit inside the ceiling.

(2) The length of suspension bolts must be appropriate for a distance between the bottom of the bolt and the bottom of the unit of more than 15 mm. (Fig. 2-4)

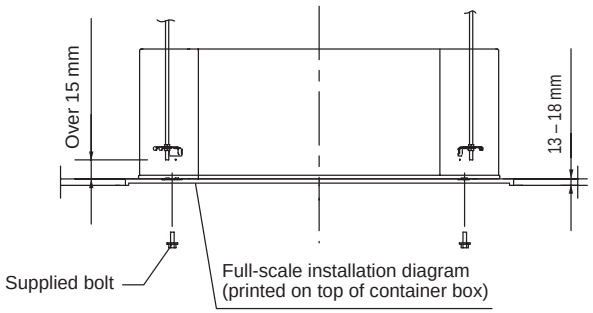


Fig. 2-4

(3) Thread the 3 hexagonal nuts (field supply) and 2 washers (supplied) onto each of the 4 suspension bolts (Fig. 2-5). Use 1 nut and 1 washer for the upper side, and 2 nuts and 1 washer for the lower side, so that the unit will not fall off the suspension lugs.

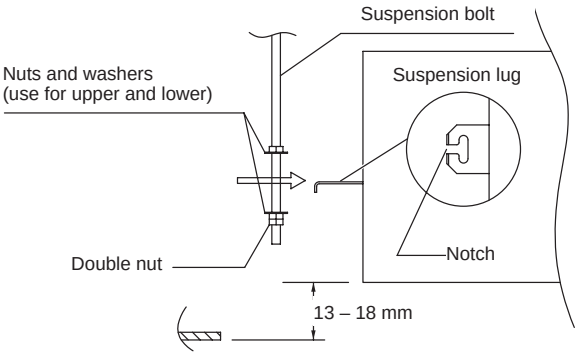


Fig. 2-5

(4) Adjust so that the distance between the unit and the ceiling bottom is 13 to 18 mm. Tighten the nuts on the upper side and lower side of the suspension lug.

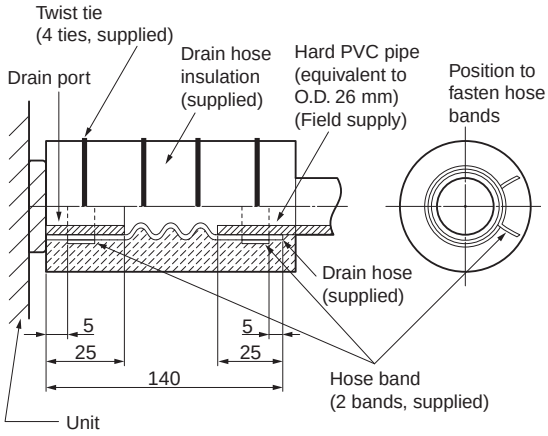
(5) Remove the protective polyethylene used to protect the fan parts during transport.

Installing the Drain Pipe

(1) Prepare a standard hard PVC pipe (O.D. 26 mm) for the drain and use the supplied drain hose and hose band to prevent water leaks.
The PVC pipe must be purchased separately. The unit's transparent drain port allows you to check drainage.

(2) Installing the drain hose

- **To install the drain hose, first place 1 of the 2 hose bands over the unit drain port and the other hose band over the hard PVC pipe (not supplied). Then connect both ends of the supplied drain hose. (Fig. 2-6)**



Unit: mm

Fig. 2-6

- **On the unit drain side, grasp the hose band with pliers and insert the drain hose all the way to the base.**
- **If other commercially available hose bands are used, the drain hose may become pinched or wrinkled and there is danger of water leakage. Therefore be sure to use the supplied hose bands. When sliding the hose bands, be careful to avoid scratching the drain hose.**
- **Do not use adhesive when connecting the supplied drain hose to the drain port (either on the main unit or the PVC pipe).**

  Reasons: 1. It may cause water to leak from the connection. Since the connection is slippery just after the adhesive has been applied, the pipe easily slips off.
  2. The pipe cannot be removed when maintenance is needed.
- **Wrap the hose with the supplied drain hose insulation and use the 4 twist ties so that the hose is insulated with no gaps.**
- **Do not bend the supplied drain hose 90° or more. The hose may slip off.**

⚠ CAUTION

- **Attach so that the hose band fastener is on the side of the drain port.**
- **Attach the hose bands so that each is approximately 5 to 25 mm from the end of the supplied drain hose.**

NOTE

Make sure the drain pipe has a downward slant (1/100 or more) and that there are no water traps.

⚠ CAUTION

- **Do not install an air bleeder as this may cause water to spray from the drain pipe outlet. (Fig. 2-7)**

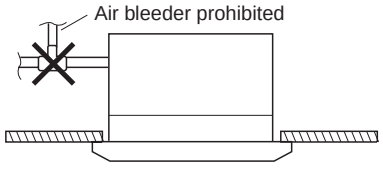


Fig. 2-7

- **In cases where it is necessary to raise the height of the drain piping, the drain piping can be raised to a maximum height of 850 mm above the bottom surface of the ceiling. Under no conditions attempt to raise it higher than 850 mm above the bottom surface of the ceiling. Doing so will result in water leakage. (Fig. 2-8)**

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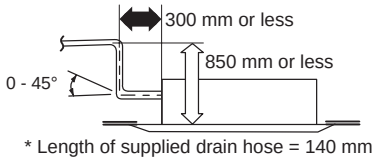


Fig. 2-8

- **Do not use natural drainage.**
- **Do not install the pipe with an upward slant from the connection port. This will cause the drain water to flow backward and leak when the unit is not operating. (Fig. 2-9)**

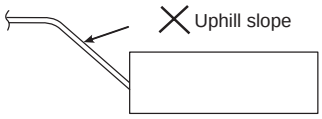


Fig. 2-9

- **Do not apply force to the piping on the unit side when connecting the drain pipe. The pipe should not be allowed to hang unsupported from its connection to the unit. Fasten the pipe to a wall, frame, or other support as close to the unit as possible. (Fig. 2-10)**

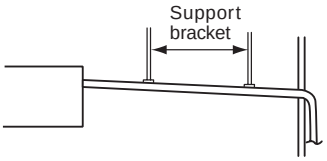


Fig. 2-10

- **Provide insulation for any pipes that are run indoors.**

Checking the Drainage

After wiring and drain piping are completed, use the following procedure to check that the water will drain smoothly. For this, prepare a bucket and wiping cloth to catch and wipe up spilled water.

(1) Connect power to the power terminal board (R, S terminals) inside the electrical component box.

(2) Slowly pour about 500 cc of water into the drain pan to check drainage. (Fig. 2-11)

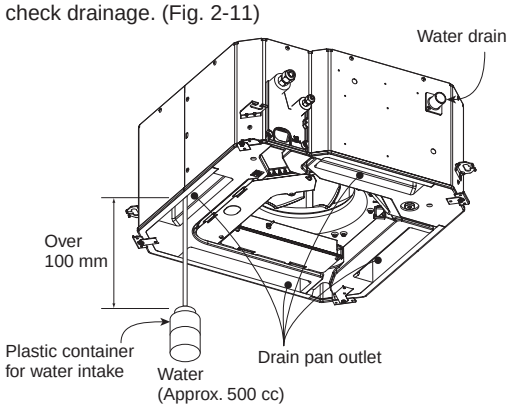


Fig. 2-11

(3) Short the check pin (CHK) on the indoor control board and operate the drain pump. Check the water flow through the transparent drain pipe and see if there is any leakage.

(4) When the check of drainage is complete, open the check pin (CHK) and remount the tube cover.

⚠ CAUTION

Be careful since the fan will start when you short the pin on the indoor control board.

(4-Way Cassette 60 × 60)

Part Name	Figure	Q'ty	Remarks
Washer		8	For temporarily suspending indoor unit from ceiling
Flare insulation	T3 T5	2 set	For gas / liquid tube connection
Insulation tie		2	For gas / liquid tube / flare nut connection
Vinyl tie		8	For flare / drain insulating connection
Drain hose insulation	T10	1	For drain tube connection
Full-scale installation diagram		1	Printed on container box
Washer head screw		4	For full-scale installation diagram
Drain hose	L140	1	For unit & PVC tube connection
Hose band		2	For drain hose connection

- Use M10 for suspension bolts.
- Field supply for suspension bolts and nuts.

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■ HOW TO INSTALL THE CEILING PANEL

■ 4-Way Cassette 60 × 60 Type (Y1 Type)

Checking the unit position

(1) Check that the ceiling hole is within this range: 600 × 600 mm

(2) Confirm that the positions of the indoor unit and the ceiling are as shown in the diagram. If the positions of the ceiling surface and unit do not match, air leakage, water leakage, flap operation failure, or other problems may occur.

⚠ **CAUTION**

- **Never place the panel face-down. Either hang it vertically or place it on top of a projecting object. Placing it face-down will damage the surface. (Fig. 2-12)**

  Ⓐ must be within the range of 13 – 18 mm. (Fig. 2-12)
  If not within this range, malfunction or other trouble may occur.

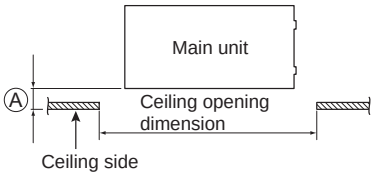


Fig. 2-12

- **Do not touch the flap or apply force to it. (Fig. 2-13) (This may cause flap malfunction.)**

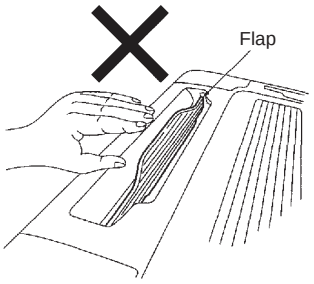


Fig. 2-13

Before Installing the Ceiling Panel

(1) Remove the air-intake grille and air filter from the ceiling panel.

a) Remove the 2 screws on the latch of the air-intake grille. (Fig. 2-14) (Reattach the air-intake grille after installation of the ceiling panel.)

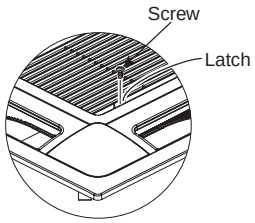


Fig. 2-14

b) Slide the air-intake grille catches in the direction shown by the arrows ① to open the grille. (Fig. 2-15)

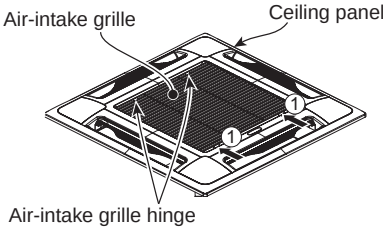


Fig. 2-15

c) With the air-intake grille opened, remove the grille hinge from the ceiling panel by sliding it in the direction shown by the arrow ②. (Fig. 2-16)

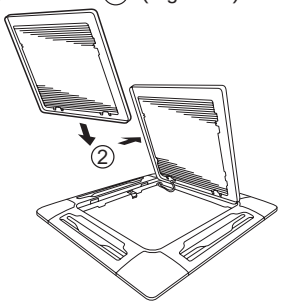


Fig. 2-16

(2) Removing the corner cover.

a) Slide the latches in the direction of the arrow ① to disconnect the hinges (3 locations). Then, remove the air-intake grille in the direction of the arrow ②. (Fig. 2-17)

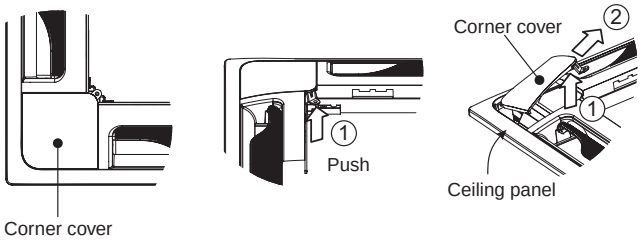


Fig. 2-17

Installing the Ceiling Panel

The power must be turned ON in order to change the flap angle. (Do not attempt to move the flap by hand. Doing so may damage the flap.)

(1) Hang the temporary latches on the inside of the ceiling panel to the receptacle on the unit to temporarily attach the ceiling panel in place. (Fig. 2-18)

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- The ceiling panel must be installed in the correct direction relative to the unit. Align the REF. PIPE and DRAIN marks on the ceiling panel corner with the correct positions on the unit.
- To remove the ceiling panel, support the ceiling panel while pressing the temporary latches toward the outside. (Fig. 2-18)

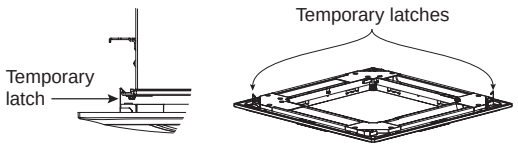


Fig. 2-18

(2) Align the panel installation holes and the unit screw holes.

(3) Tighten the supplied washer head screws at the 4 panel installation locations so that the panel is attached tightly to the unit. (Fig. 2-19)

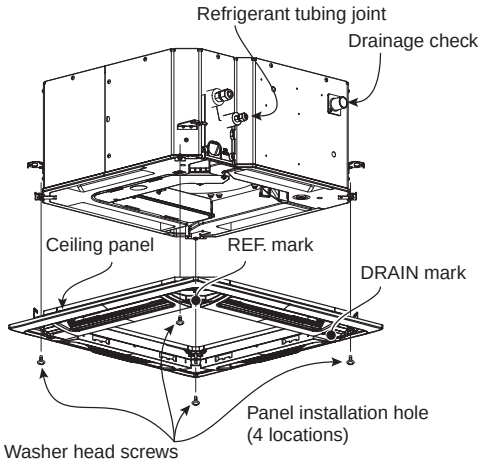


Fig. 2-19

(4) Check that the panel is attached tightly to the ceiling.

- At this time, make sure that there are no gaps between the unit and the ceiling panel, or between the ceiling panel and the ceiling surface. (Fig. 2-20)

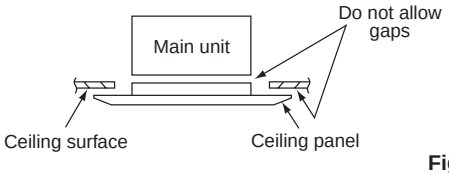


Fig. 2-20

- If there is a gap between the panel and the ceiling, leave the ceiling panel attached and make fine adjustments to the installation height of the unit to eliminate the gap with the ceiling. (Fig. 2-21)

⚠ CAUTION

- If the screws are not sufficiently tightened, trouble such as that shown in the figure below may occur. Be sure to tighten the screws securely.
- If a gap remains between the ceiling surface and the ceiling panel even after the screws are tightened, adjust the height of the unit again.

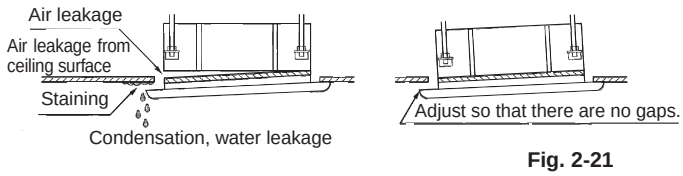


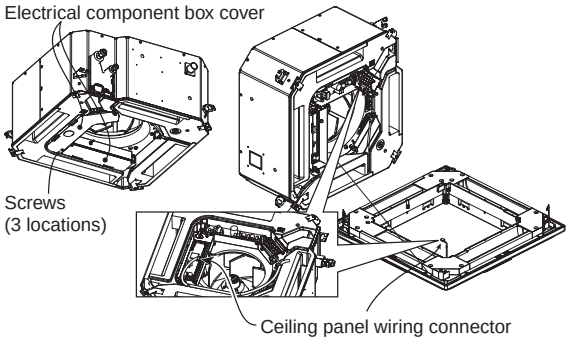
Fig. 2-21

Wiring the Ceiling Panel

(1) Open the cover of the electrical component box.

(2) Connect the 7P wiring connector (red) from the ceiling panel to the connector in the unit electrical component box. (Fig. 2-22)

(Direction that the unit faces has been changed to facilitate explanation.)



* Pass the wiring connector through the clamp to fasten it in place, as shown in the figure.

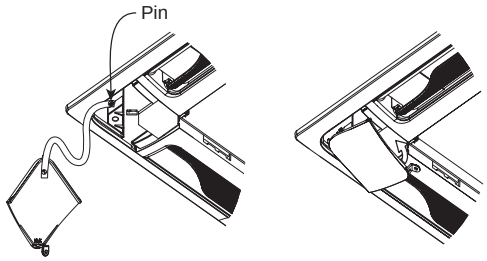
Fig. 2-22

- If the connectors are not connected, the auto flap will not operate. Be sure to connect them securely.
- Check that the wiring connector is not caught between the electrical component box and the cover.
- Check that the wiring connector is not caught between the unit and the ceiling panel.

How to Attach the Corner and Air Intake Grille

Attaching the corner cover and air-intake grille
A. Attaching the corner cover

(1) Check that the safety cord from the corner cover is fastened to the ceiling panel pin.(Fig. 2-23).



Place the corner cover so that the 3 tabs fit into the holes in the ceiling panel. Then fasten it in place with the supplied screws.

Fig. 2-23

(2) Use the supplied screws to attach the corner cover to the ceiling panel.

B. Attaching the air-intake grille

- To install the air-intake grille, follow the steps for **Removing the grille** in the reverse order. By rotating the air-intake grille, it is possible to attach the grille onto the ceiling panel from any of 4 directions. Coordinate the directions of the air-intake grilles when installing multiple units, and change the directions according to customer requests.
- **When attaching the air-intake grille, be careful that the flap lead wire does not become caught.**
- **Be sure to attach the safety cord to the ceiling panel unit. This keeps the air intake grille from accidentally dropping. (Fig. 2-24)**

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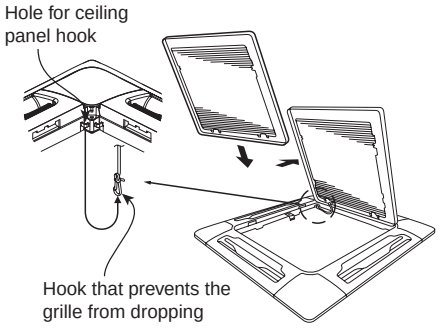


Fig. 2-24

- With this ceiling panel, the directions of the air-intake grille lattices when installing multiple units, and the position of the label showing the company name on the corner panel, can be changed according to customer requests. However, the optional wireless receiver kit can only be installed at the refrigerant-tubing corner of the ceiling unit. (Fig. 2-25)

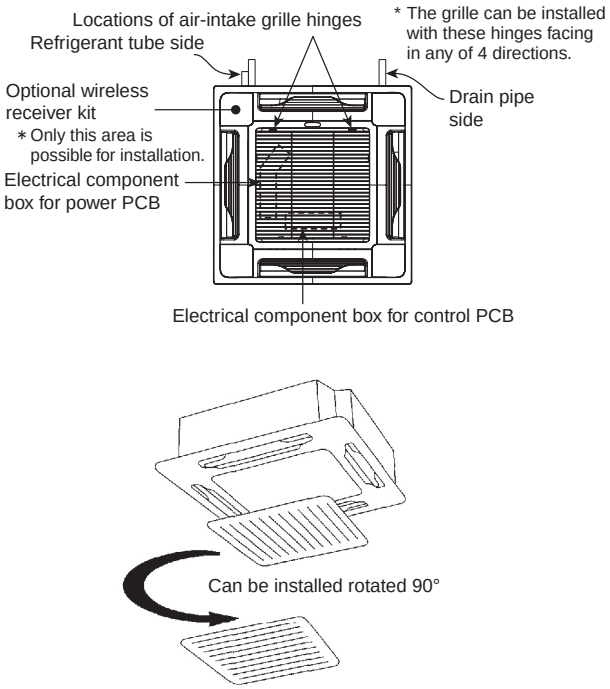


Fig. 2-25

Checking After Installation

- Check that there are no gaps between the unit and the ceiling panel, or between the ceiling panel and the ceiling surface.
  Gaps may cause water leakage and condensation.
- Check that the wiring is securely connected.
  If it is not securely connected, the auto flap will not operate. (“P09” is displayed on the remote controller.) In addition, water leakage and condensation may occur.

When Removing the Ceiling Panel for Servicing

When removing the ceiling panel for servicing, remove the air-intake grille and air filter, disconnect the wiring connector inside the electrical component box, and then remove the 4 mounting screws.

Adjusting the Auto Flap

The air-direction louver on the ceiling panel outlet can be adjusted as follows.

- Adjust the louver to the desired angle using the remote controller. The louver also has an automatic air-sweeping mechanism.

NOTE

- Never attempt to move the louver by hand.
- Proper airflow depends on the location of the air conditioner, the layout of the room and furniture, etc. If cooling or heating seems inadequate, try changing the direction of the airflow.

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3. SELECTING THE INSTALLATION SITE
Ceiling Type (T1)

Indoor Unit

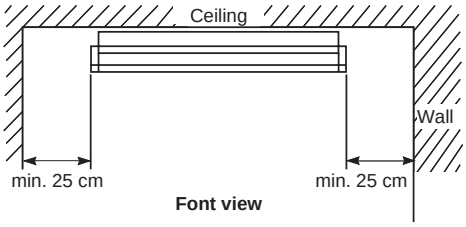
AVOID:

- areas where leakage of flammable gas may be expected.
- places where large amounts of oil mist exist.
- direct sunlight.
- locations near heat sources which may affect the performance of the unit.
- locations where external air may enter the room directly. This may cause “condensation” on the air discharge ports, causing them to spray or drip water.
- locations where the remote controller will be splashed with water or affected by dampness or humidity.
- installing the remote controller behind curtains or furniture.
- locations where high-frequency emissions are generated.

DO:

- select an appropriate position from which every corner of the room can be uniformly cooled.
- select a location where the ceiling is strong enough to support the weight of the unit.
- select a location where tubing and drain pipe have the shortest run to the outdoor unit.
- allow room for operation and maintenance as well as unrestricted air flow around the unit.
- install the unit within the maximum elevation difference above or below the outdoor unit and within a total tubing length (L) from the outdoor unit as detailed in the Installation Instructions packed with the outdoor unit.
- allow room for mounting the remote controller about 1 m off the floor, in an area that is not in direct sunlight or in the flow of cool air from the indoor unit.

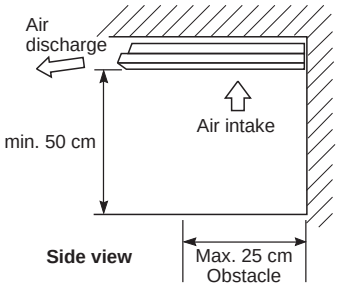
Ceiling



Font view

NOTE

The rear of the indoor unit can be installed flush against the wall.



Side view

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■ HOW TO INSTALL THE INDOOR UNIT

■ Ceiling Type (T1 Type)

Required Minimum Space for Installation and Service

(1) Dimensions of suspension bolt pitch and unit

Type \ Length	A	B	C
36, 45, 50	855	910	210
60, 71	1125	1180	210
100, 125, 140	1540	1595	210

Unit: mm

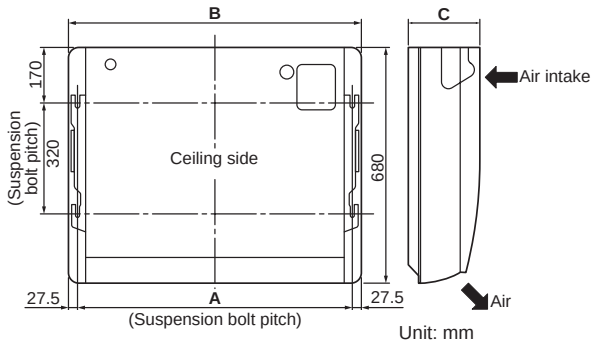


Fig. 3-1

(2) Refrigerant tubing • drain hose position

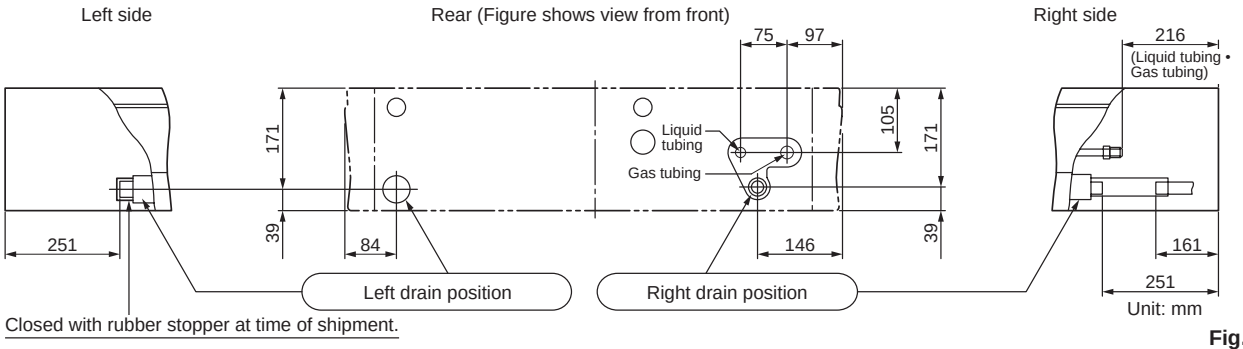
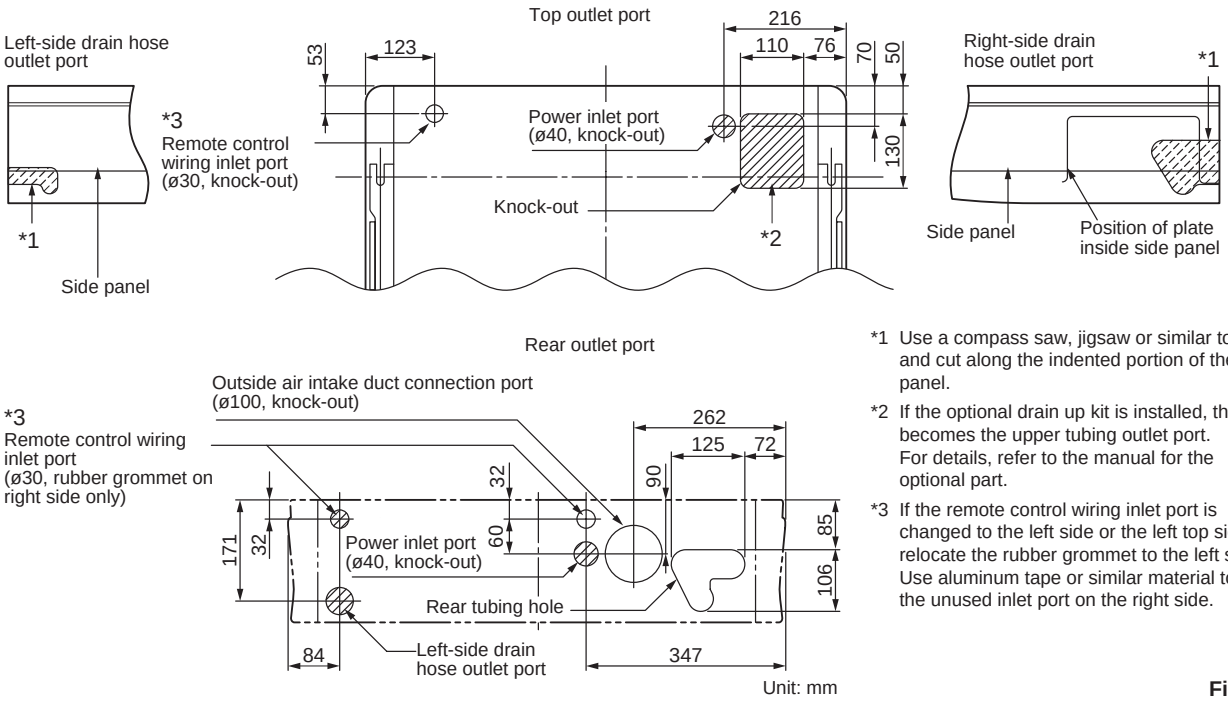


Fig. 3-2

(3) Unit opening position (Refrigerant tubing • drain hose • power inlet port • remote control wiring inlet port)



*1 Use a compass saw, jigsaw or similar tool and cut along the indented portion of the side panel.

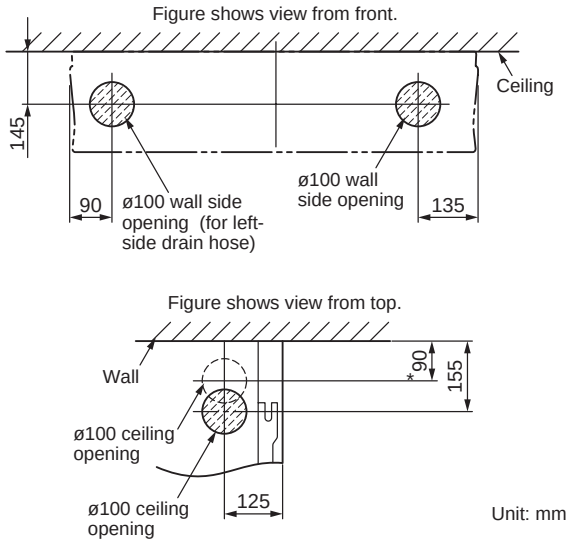
*2 If the optional drain up kit is installed, this becomes the upper tubing outlet port. For details, refer to the manual for the optional part.

*3 If the remote control wiring inlet port is changed to the left side or the left top side, relocate the rubber grommet to the left side. Use aluminum tape or similar material to seal the unused inlet port on the right side.

Fig. 3-3

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(4) Wall and ceiling side opening position



* If the optional drain up kit is installed, create a ø100 hole along the dotted line (part marked with * in figure).

Fig. 3-4

Suspending the Indoor Unit

(1) Place the full-scale diagram (supplied) on the ceiling at the location where you want to install the indoor unit. Use a pencil to mark the drill holes (Fig. 3-5).

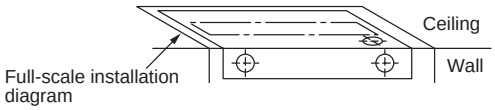


Fig. 3-5

NOTE

Since the diagram is made of paper, it may shrink or stretch slightly because of high temperature or humidity. For this reason, before drilling the holes maintain the correct dimensions between the markings.

(2) Drill holes at the 4 points indicated on the full-scale diagram.

(3) Depending on the ceiling type:

a) Insert suspension bolts (Fig. 3-6).
or

b) Use existing ceiling supports or construct a suitable support (Fig. 3-7).

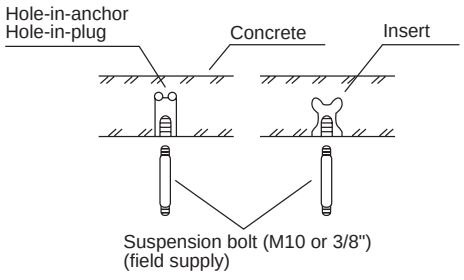


Fig. 3-6

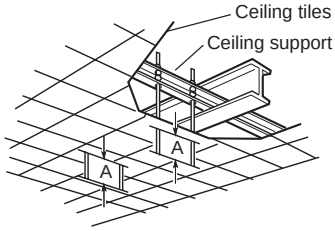


Fig. 3-7

⚠ WARNING

It is important that you use extreme care in supporting the indoor unit from the ceiling. Ensure that the ceiling is strong enough to support the weight of the unit. Before hanging the ceiling unit, test the strength of each attached suspension bolt.

(4) Screw in the suspension bolts, allowing them to protrude from the ceiling (Figs. 3-6 and 3-7). The distance of each exposed bolt must be of equal length within 50 mm. (Fig. 3-8)

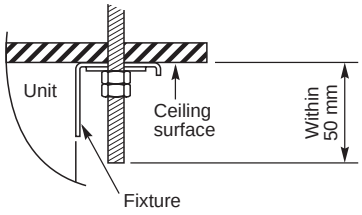


Fig. 3-8

(5) Before suspending the indoor unit, remove the 2 or 3 screws on the latch of the air-intake grilles, open the grilles, and remove them by pushing the claws of the hinges (Fig. 3-9). Then remove both side panels sliding them along the unit toward the front after removing the 2 attachment screws. (Fig. 3-10)

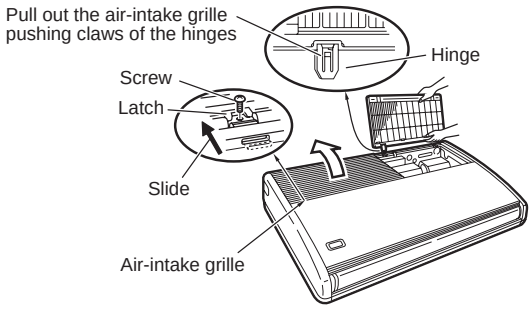


Fig. 3-9

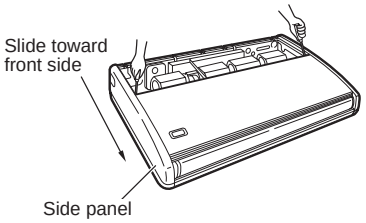


Fig. 3-10

(6) Carry out the preparation for suspending the indoor unit. The suspension method varies depending on whether there is a suspended ceiling or not. (Figs. 3-11and 3-12)

(7) Suspend the indoor unit as follows:

a) Mount 1 washer and 2 hexagonal nuts on each suspension bolt (Fig. 3-13).

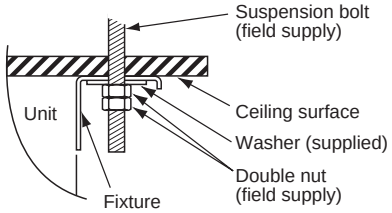


Fig. 3-11

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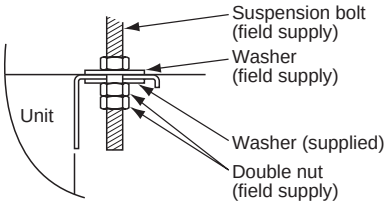


Fig. 3-12

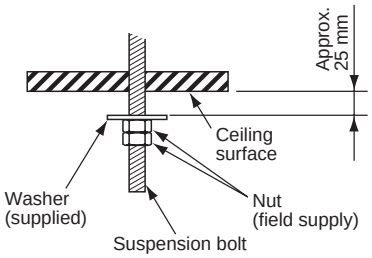


Fig. 3-13

b) Lift the indoor unit, and place it on the washers through the notches, in order to fix it in place. (Fig. 3-14)

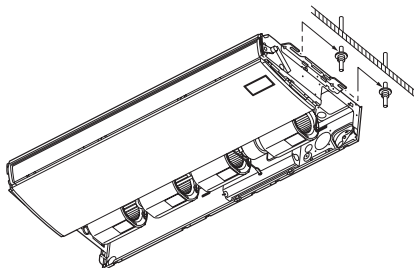


Fig. 3-14

c) Tighten the 2 hexagonal nuts on each suspension bolt to suspend the indoor unit as shown in Fig. 3-15.

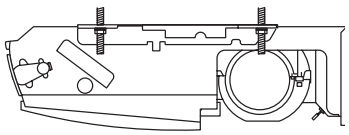


Fig. 3-15

NOTE

The ceiling surface is not always level. Confirm that the indoor unit is evenly suspended. For the installation to be correct, leave a clearance of about 10 mm between the ceiling panel and the ceiling surface and fill the gap with an appropriate insulation or filler material.

(8) If the tubing and wiring are to go towards the rear of the unit, make holes in the wall. (Fig. 3-16)

(9) Measure the thickness of the wall from the inside to the outside and cut PVC pipe at a slight angle to fit. Insert the PVC pipe in the wall. (Fig. 3-17)

NOTE

The hole should be made at a slight downward slant to the outside.

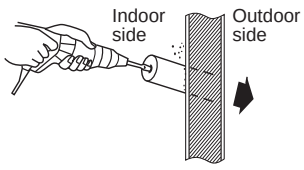


Fig. 3-16

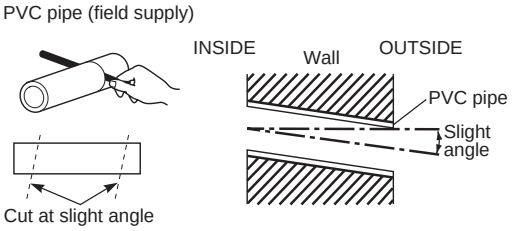


Fig. 3-17

Duct for Fresh Air

There is a duct connection port (knock-out hole) at the right-rear of the top panel of the indoor unit for drawing in fresh air. If it is necessary to draw in fresh air, remove the cover by opening the hole and connecting the duct to the indoor unit through the connection port. (Fig. 3-18)

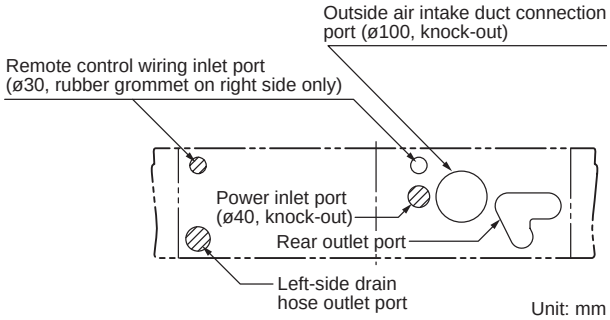


Fig. 3-18

Shaping the Tubing

- The positions of the refrigerant tubing connections are shown in the figure below. (The tubing can be routed in 3 directions.) (Fig. 3-19)

* When routing the tubing out through the top or right sides, knock out the appropriate parts in the top panel and cut notches in the side panel (Fig. 3-18).

* When routing the tubing out through the top, the optional L-shape tubing kit is required.

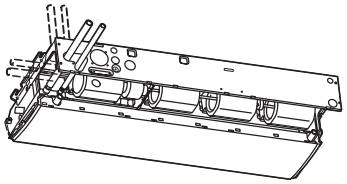


Fig. 3-19

If the tubing is to be routed out together, use a box cutter or similar tool to cut out the part of the rear cover indicated by the marked area (Fig. 3-20), to match the positions of the tubes. Then draw out the tubing.

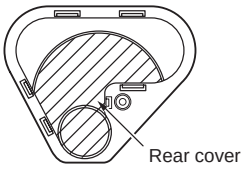
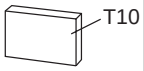
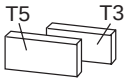
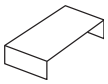
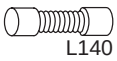


Fig. 3-20

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(Ceiling)

Part Name	Figure	Q'ty	Remarks
Special washer		4	For temporarily suspending indoor unit from ceiling
Drain insulator		1	For drain hose joint
Flare insulator		2 sets	For gas and liquid tube joints
Insulating tape	 White (heat-resisting)	2	For gas and liquid flare joints
Vinyl clamp		8	For flare and drain insulator (Field supply for Spanish version)
Eyelet		1	For power supply inlet
Full-scale installation diagram		1	Printed on container box
Drain hose		1	For main unit + PVC pipe joints
Hose band		2	For drain hose connection

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4. SELECTING THE INSTALLATION SITE
Ceiling Type (T2)

Indoor Unit

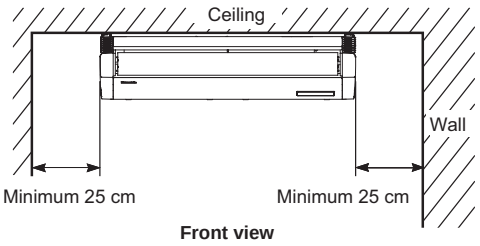
AVOID:

- areas where leakage of flammable gas may be expected.
- places where large amounts of oil mist exist.
- direct sunlight.
- locations near heat sources which may affect the performance of the unit.
- locations where external air may enter the room directly. This may cause “condensation” on the air discharge ports, causing them to spray or drip water.
- locations where the remote controller will be splashed with water or affected by dampness or humidity.
- installing the remote controller behind curtains or furniture.
- locations where high-frequency emissions are generated.

DO:

- select an appropriate position from which every corner of the room can be uniformly cooled.
- select a location where the ceiling is strong enough to support the weight of the unit.
- select a location where tubing and drain pipe have the shortest run to the outdoor unit.
- allow room for operation and maintenance as well as unrestricted air flow around the unit.
- install the unit within the maximum elevation difference above or below the outdoor unit and within a total tubing length (L) from the outdoor unit as detailed in the Installation Instructions packed with the outdoor unit.
- allow room for mounting the remote controller about 1 m off the floor, in an area that is not in direct sunlight or in the flow of cool air from the indoor unit.

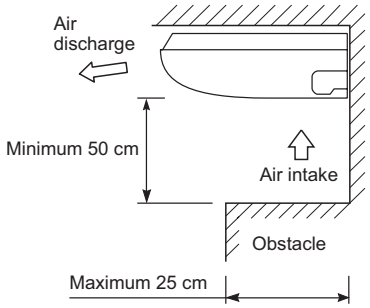
Ceiling



Front view

NOTE

The rear of the indoor unit can be installed flush against the wall.



Side view

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■ HOW TO INSTALL THE INDOOR UNIT

■ Ceiling Type (T2 Type)

4-1. Required Minimum Space for Installation and Service

(1) Dimensions of suspension bolt pitch and unit

Type \ Length	A	B	C
36, 45, 50	911	960	235
60, 71	1226	1275	235
100, 125, 140	1541	1590	235

Unit: mm

Unit: mm

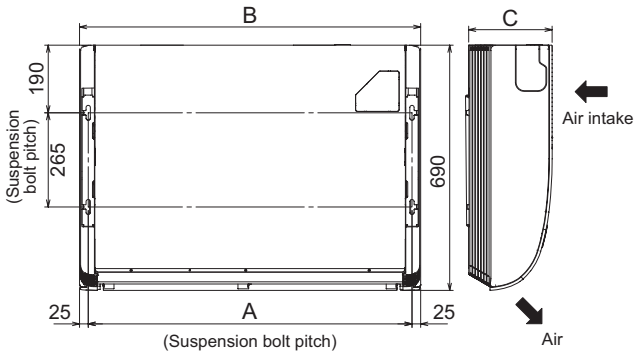


Fig. 4-1

(2) Refrigerant tubing • drain hose position

Unit: mm

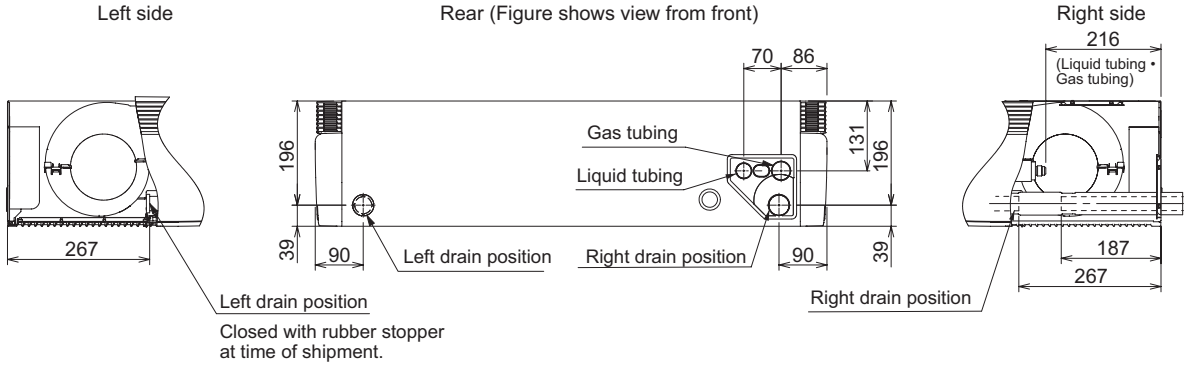
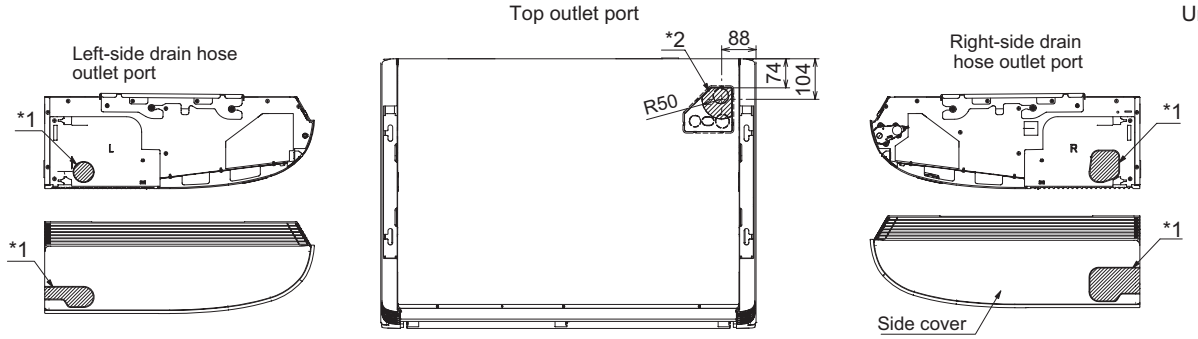


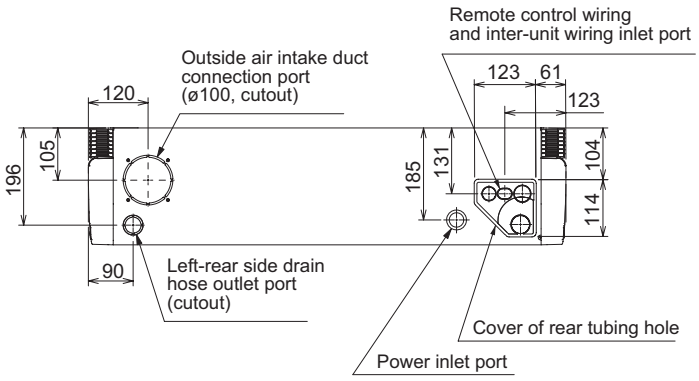
Fig. 4-2

(3) Unit opening position (Refrigerant tubing • drain hose • power inlet port • remote control wiring inlet port)

Unit: mm



Rear outlet port (Figure shows view from front)



*1 Use a compass saw, jigsaw or similar tool and cut along the indented portion of the side cover and make a hole inside the cover.

*2 When removing the refrigerant tubing from the upper side, cut along the indented portion and pass the tubing through the hole.

NOTE

Be sure to use sealing putty to seal off the opening to prevent dust.

Fig. 4-3

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4-2. Preparation Before Installation

(1) Remove the bracket (for suspending the indoor unit).
Loose the M8 suspension bolts.
Then remove the bracket. (Fig. 4-4)

NOTE

Keep the M8 suspension bolts fixed on to the bracket loose.
Loosen the M8 suspension bolts and expose the axis of bolts less than 8 mm.

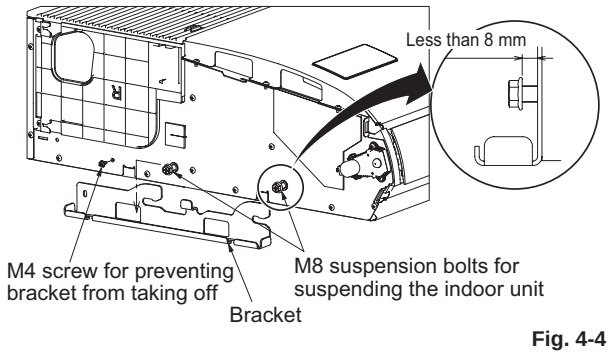


Fig. 4-4

(2) Remove the air-intake grille before suspending the indoor unit. First, remove 2 attachment screws fixed with the latches. Open the air-intake grille and hold the claws of the hinges on both sides. Then remove the air-intake grille and suspension lug located on the left and right side of the indoor unit.

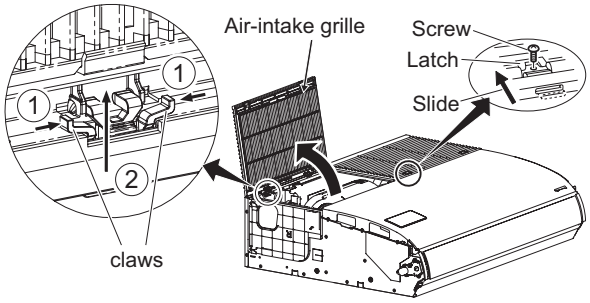


Fig. 4-5

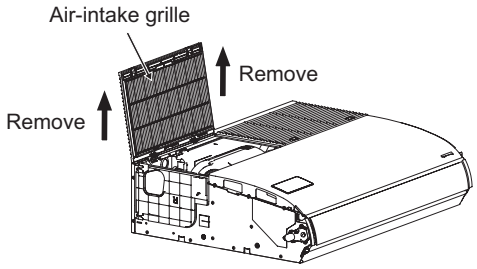


Fig. 4-6

(3) Remove the side plate to the tubing side.

Rear & upper side tubing connection	Remove 2 screws. Slide the side plate in the direction of the arrow and remove it.
Right side tubing connection	Do not remove the side plate.

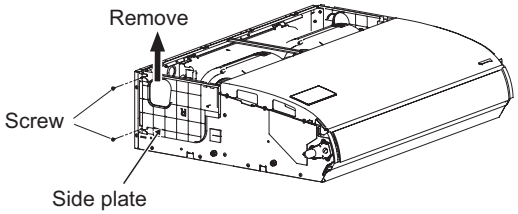


Fig. 4-7

(4) Remove the center bracket.
When wiring, remove the center bracket if necessary.
When wiring is completed, reinstall the center bracket in its original position.

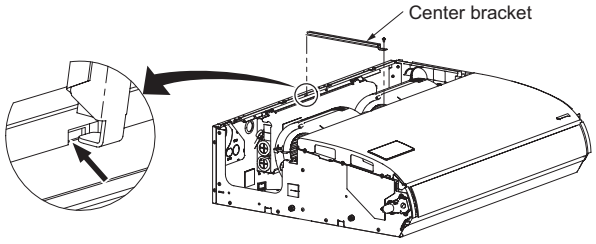


Fig. 4-8

4-3. Suspending the Indoor Unit

NOTE

Since the diagram is made of paper, it may shrink or stretch slightly because of high temperature or humidity. For this reason, before drilling the holes maintain the correct dimensions between the markings.

(1) If the full-scale installation diagram is placed on the ceiling, the locations of each suspension bolt can be chosen.
Take a pencil and mark the drill holes (Fig. 4-9).

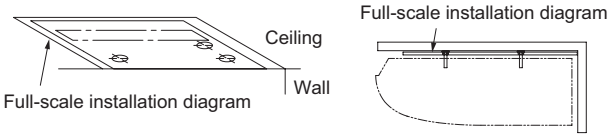


Fig. 4-9

(2) If the full-scale installation diagram is bent at right angle to the ceiling and wall, the locations of the inlet for indoor tubing and wiring are chosen and the locations of each suspension bolt can also be chosen.
Take a pencil and mark the drill holes (Fig. 4-10).

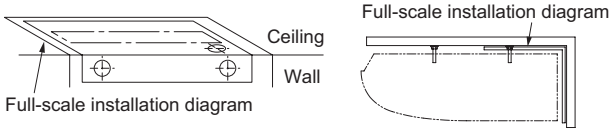


Fig. 4-10

NOTE

The dimension when the indoor unit is placed tightly against the wall.
When installing away from the wall, drainage gradient should be taken into consideration.

(3) Drill holes at the 4 points indicated on the full-scale diagram.

(4) Depending on the ceiling type:

a) Insert suspension bolts (Fig. 4-11).
or

b) Use existing ceiling supports or construct a suitable support (Fig. 4-12).

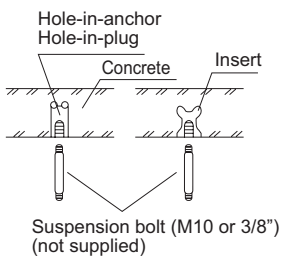


Fig. 4-11

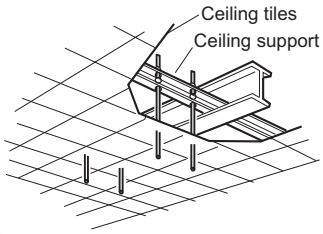


Fig. 4-12

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⚠ WARNING

It is important that you use extreme care in supporting the indoor unit from the ceiling. Ensure that the ceiling is strong enough to support the weight of the unit. Before hanging the ceiling unit, test the strength of each attached suspension bolt.

(5) Screw in the suspension bolts, allowing them to protrude from the ceiling (Figs. 4-11 and 4-12).
The distance of each exposed bolt must be of equal length within 50 mm. (Fig. 4-13)

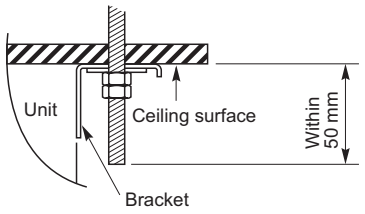


Fig. 4-13

(6) Carry out the preparation for suspending the indoor unit. The suspension method varies depending on whether there is a suspended ceiling or not. (Figs. 4-14 and 4-15)

(7) Suspend the indoor unit as follows:

a) Install the bracket to the suspension bolt.
Stick it onto the ceiling surface. (Fig. 4-14~4-16)

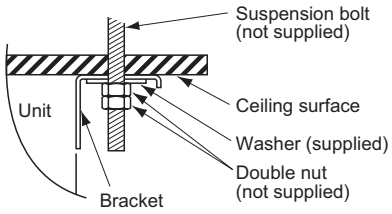


Fig. 4-14

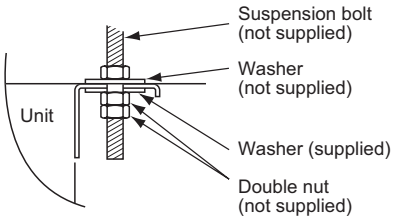


Fig. 4-15

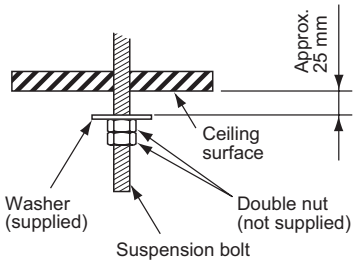


Fig. 4-16

b) Suspend the indoor unit to the bracket.
Tighten the M8 suspension bolts and fix the indoor unit in place. (Fig. 4-17)

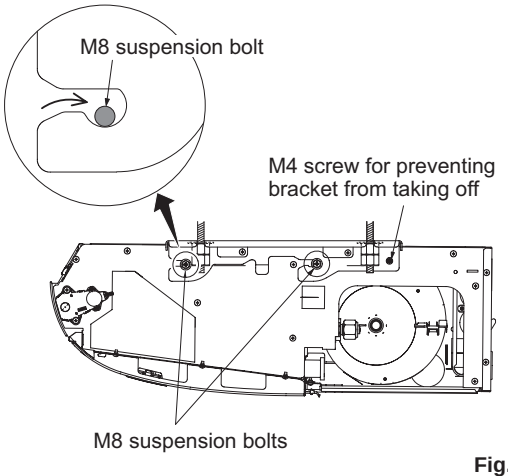


Fig. 4-17

NOTE

The ceiling surface is not always level. Confirm that the indoor unit is evenly suspended. For the installation to be correct, leave a clearance of about 10 mm between the ceiling panel and the ceiling surface and fill the gap with an appropriate insulation or filler material.

(8) If the tubing and wiring are to go towards the rear of the unit, make holes in the wall. (Fig. 4-18)

(9) Measure the thickness of the wall from the inside to the outside and cut PVC pipe at a slight angle to fit. Insert the PVC pipe in the wall. (Fig. 4-19)

NOTE

The hole should be made at a slight downward slant to the outside.

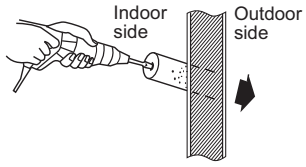


Fig. 4-18

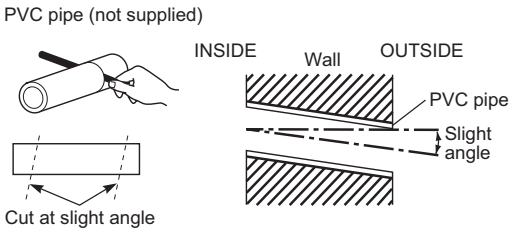


Fig. 4-19

4-4. Duct for Fresh Air

There is a outside air intake duct connection port (cut-out hole) at the left-rear of the indoor unit for drawing in fresh air. If it is necessary to draw in fresh air, remove the cover by opening the hole and connecting the duct to the indoor unit through the connection port.

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4-5. Shaping the Tubing

- The positions of the refrigerant tubing connections are shown in the figure below. (The tubing can be routed in 3 directions.) (Fig. 4-20)

* When routing the tubing out through the top or right sides, cut out the appropriate parts in the top panel and cut notches in the side panel.

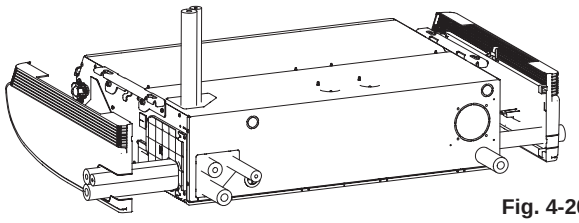


Fig. 4-20

If the tubing is to be routed out together, use a box cutter or similar tool to cut out the part of the rear cover indicated by the marked area (Fig. 4-21), to match the positions of the tubes. Then draw out the tubing.

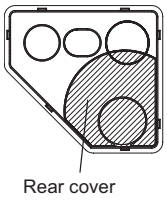


Fig. 4-21

4-6. Installing the Drain Pipe

- Prepare standard PVC pipe for the drain and connect it to the indoor unit drain pipe with the supplied hose band to prevent water leaks.

(1) Drain hose connection

- The drain hose is connected below the refrigerant tubing.

(2) Installing the drain hose

- First insert the drain hose (supplied) to the hose band (supplied) and then install the drain hose to the unit drain port.
- Insert until the drain hose bumps to the end.
- Attach the hose band to make the fixed portion 45°upper gradient according to a vinyl tape (not supplied) of the drain hose (supplied).
- Hose band screw torque is 30 - 35N · cm.
- Wind the vinyl tape not to blow up the hose band.
- Connect both the drain hose and PVC pipe (VP20 or similar material, not supplied). Insert until the PVC pipe bumps to the end and adhere with PVC adhesive.

⚠ CAUTION

- **Wrap the drain insulator (supplied) between the connection of the drain hose and tubing not to expose the copper tubing. Also, wrap the hose band together. Wrap the hose band with the drain insulator, where the screw is located facing upward (Fig. 4-23). Then, tighten the insulator with a vinyl tape not to cause the detachment. If the tubing parts remain exposed, condensation may occur.**
- **Be sure to use the supplied drain hose.**
- If other commercially available hose bands are used, the drain hose may become pinched or wrinkled and there is danger of water leakage.
  Therefore be sure to use the supplied hose bands.
- Connect the drain pipe so that it slopes downward from the unit to the outside. (Fig. 4-22)

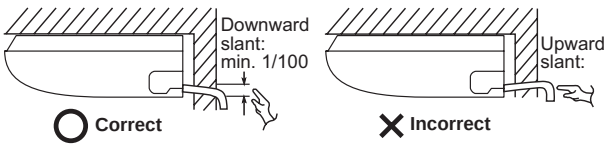
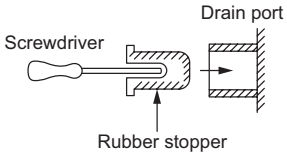


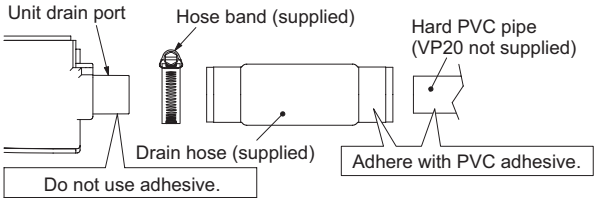
Fig. 4-22

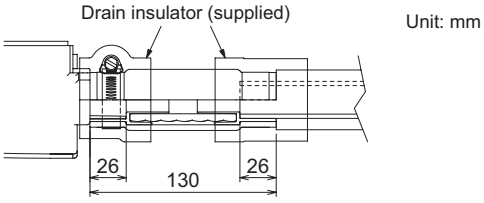
- Never allow water traps to occur in the course of the piping.
- Insulate any piping inside the room to prevent dripping.
- After the drain piping, pour an appropriate amount of water into the drain pan through the opening on the side of the air discharge port. Check the water draining smoothly.

* If the drain hose is routed through the left side, refer to Fig. 4-20, and follow the procedure above to install the hose. Reattach the rubber stopper removed earlier onto the right side.

The rubber stopper can be inserted easily by using a screwdriver or similar tool to press the stopper into the drain port on the main unit. Press the stopper into the main unit drain port as far as it will go.







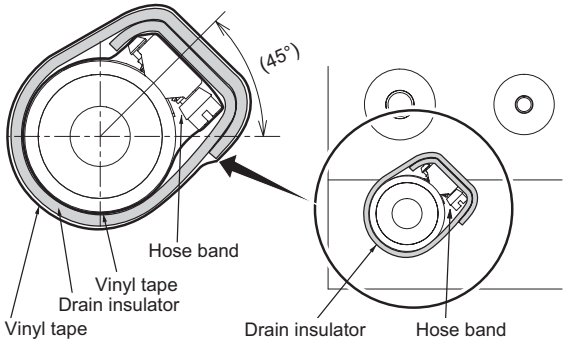


Fig. 4-23

⚠ CAUTION

The indoor unit should be slightly tilted downward toward the drain pipe connection side as shown in figure below so that the wastewater can flow smoothly without being trapped in the middle. (Fig. 4-24)

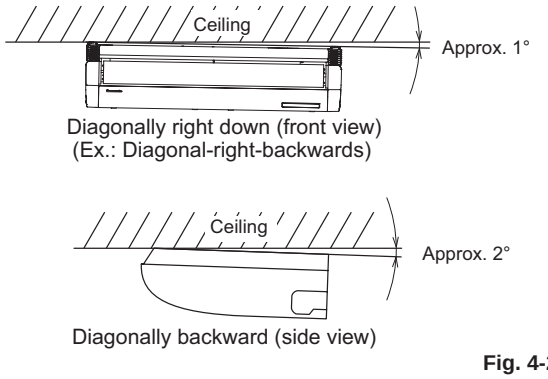


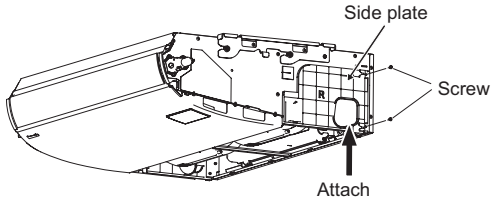
Fig. 4-24

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4-7. Final Procedure

Reinstall the removed part to be placed in its original position.
(See the section “4-2. Preparation Before Installation”.)
Then install the accessory supplied side covers (L/R) on both sides of the indoor unit.

- Attach the supplied side plates.
  Slide the covers from the front side and attach to the claws of the latches.
  Tighten the screws (supplied).



- Attach the accessory supplied side covers.
  Insert the side plates in the direction of the arrow and fix them with 2 screws once you’ve removed.

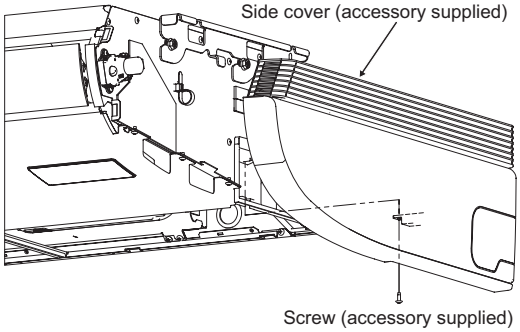


Fig. 4-25

- Attach the air-intake grille.
  When attaching the air-intake grille, perform the reverse procedure to removing the grille.
  Refer to the section “4-2. Preparation Before Installation”.
  Be sure to attach the safety string.
  Close the air-intake grille and fix the claws of the latches with the screws.

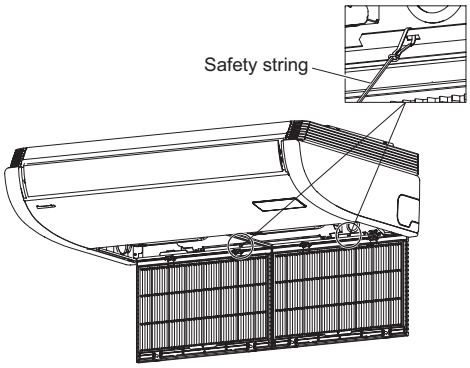
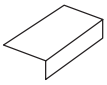
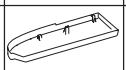
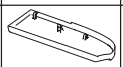


Fig. 4-26

(Ceiling)

Part Name	Figure	Q’ty	Remarks
Special washer		4	For temporarily suspending indoor unit from ceiling
Drain insulator		2	For drain hose joint
Flare insulator		1	For gas tube joint
		1	For liquid tube joints
Clamper		6	For flare insulator and wiring
Full-scale installation diagram		1	For positioning installation
Drain hose		1	For main unit + PVC pipe joints
Hose band		1	For drain hose connection
Side cover (R)		1	(Packed in carton box) For right side
Side cover (L)		1	(Packed in carton box) For left side
Screw		2	For side cover (L/R)
Operating Instructions		1	
Installation Instructions		1	

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5. SELECTING THE INSTALLATION SITE
Wall Mounted Type (K1)

Indoor Unit

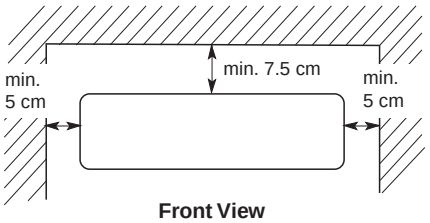
AVOID:

- areas where leakage of flammable gas may be expected.
- places where large amounts of oil mist exist.
- direct sunlight.
- locations near heat sources which may affect the performance of the unit.
- locations where external air may enter the room directly. This may cause “condensation” on the air discharge ports, causing them to spray or drip water.
- locations where the remote controller will be splashed with water or affected by dampness or humidity.
- installing the remote controller behind curtains or furniture.
- locations where high-frequency emissions are generated.

DO:

- select an appropriate position from which every corner of the room can be uniformly cooled.
- select a location where the ceiling is strong enough to support the weight of the unit.
- select a location where tubing and drain pipe have the shortest run to the outdoor unit.
- allow room for operation and maintenance as well as unrestricted air flow around the unit.
- install the unit within the maximum elevation difference above or below the outdoor unit and within a total tubing length (L) from the outdoor unit as detailed in the Installation Instructions packed with the outdoor unit.
- allow room for mounting the remote controller about 1 m off the floor, in an area that is not in direct sunlight or in the flow of cool air from the indoor unit.

Wall Mounted



Front View

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■ HOW TO INSTALL THE INDOOR UNIT

■ Wall Mounted Type (K1 Type)

Remove the Rear Panel from the Unit

(1) Remove and discard the set screw on the rear panel. (Fig. 5-1)

(2) Press the 2 △ marks on the frame cover and disengage the stationary tabs from the frame. (Fig. 5-2)

(3) Remove the rear panel by grasping the sections shown in Fig. 5-3 and pulling it in the direction shown by the arrow.

NOTE

Tubing can be extended in 6 directions as shown in Fig. 5-5. Select the direction you need providing the shortest run to the outside unit.

- When left tubing is to be done, switch the drain hose and drain cap. (For details, refer to “Switching drain hose and drain cap”.)

Make a Hole

(1) Place the rear panel from the indoor unit on the wall at the location selected. Make sure the panel is horizontal, using a carpenter’s level or tape measure to measure down from the ceiling. Wait until after cutting the hole before attaching the rear panel to the wall.

(2) Determine which side of the unit you should make the hole for tubing and wiring. (Fig. 5-6)

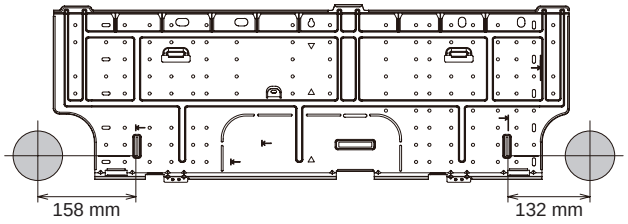
NOTE

In the case of left-rear tubing, use the measurement points 158 mm from the marked position on the rear panel for precise placement of the hose outlet. (Fig. 5-6)

(3) Before making the hole, check carefully that no studs or pipes are directly run behind the spot to be cut.

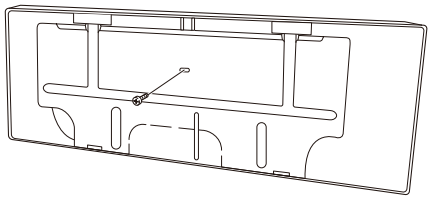
CAUTION **Also avoid areas where electrical wiring or conduits are located.**

The above precautions are also applicable if tubing goes through the wall in any other location.



Unit: mm

Fig. 5-6



Set screw only for transportation

Fig. 5-1

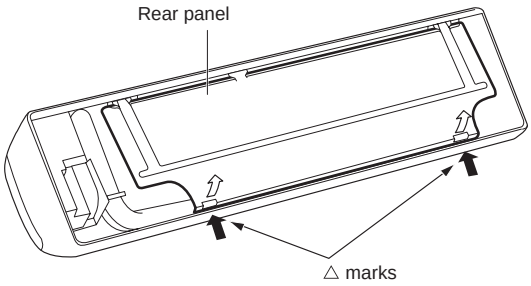


Fig. 5-2

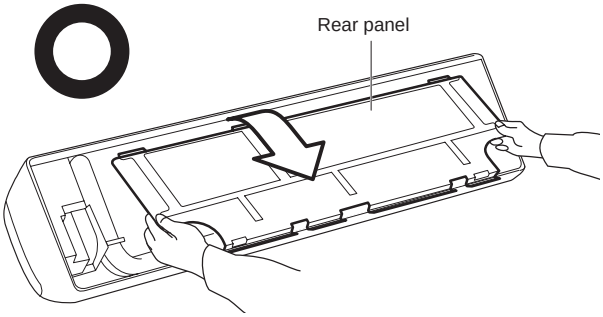


Fig. 5-3

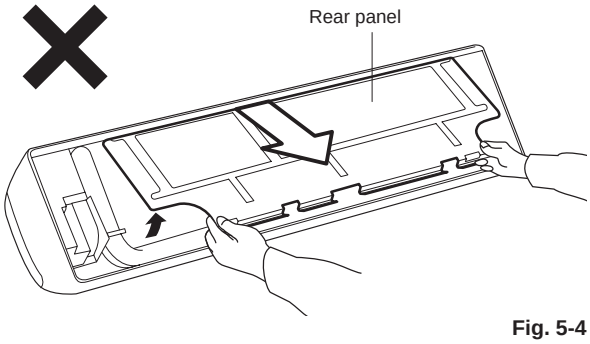


Fig. 5-4

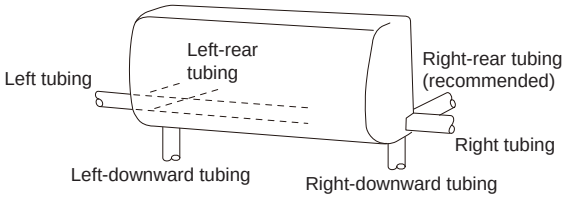


Fig. 5-5

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(4) Using a sabre saw, key hole saw or hole-cutting drill attachment, cut a hole in the wall. See Table 5-1 and Fig. 5-7.

Table 5-1

Hole Dia.
80 mm

(5) Measure the thickness of the wall from the inside edge to the outside edge and cut PVC pipe at a slight angle 6 mm shorter than the thickness of the wall. (Fig. 5-8)

(6) Place the plastic cover over the end of the pipe (for indoor side only) and insert the pipe in the wall. (Fig. 5-9)

Install the Rear Panel on the Wall

Be sure to confirm that the wall is strong enough to suspend the unit.

There are a number of screw holes on the rear panel.

Using the 8 screw holes with ⇦ mark is recommended to attach the rear panel securely to the wall.

NOTE

Be sure to install the unit within the range of the wall.

If Wooden Wall

(1) Attach the rear panel to the wall with the 8 screws provided. (Fig. 5-10)

If you are not able to line up the holes in the rear panel with the beam locations marked on the wall, use rawl plugs or toggle bolts to go through the holes on the panel or drill 5 mm dia. holes in the panel over the stud locations and then mount the rear panel.

(2) Double check with a carpenter's level or tape measure that the panel is level. This is important to install the unit properly. (Fig. 5-11)

(3) Make sure the panel is flush against the wall. Any space between the wall and unit will cause noise and vibration.

NOTE

Hole should be made at a slight downward slant to the outdoor side.

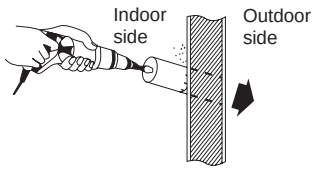


Fig. 5-7

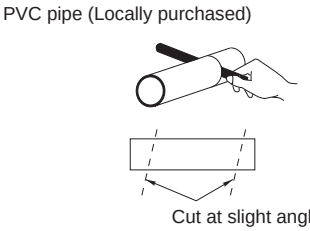


Fig. 5-8

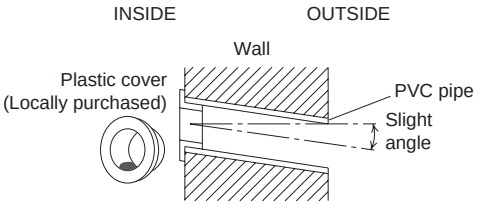


Fig. 5-9

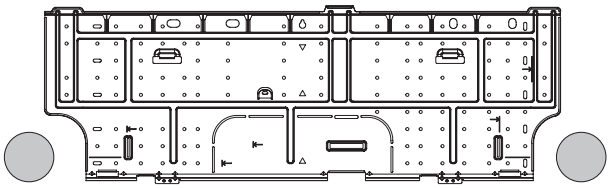


Fig. 5-10

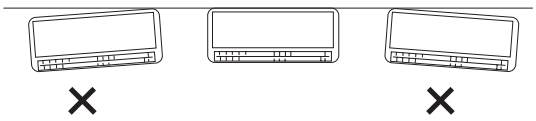


Fig. 5-11

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Removing and Installing the Grille

Basically, these models can be installed and wired without removing the grille. If access to any internal part is needed, follow the steps as given below.

How to remove the grille

(1) Open the front panel until it is nearly horizontal, grasp the sections near the front panel arms on both sides, and then remove the panel by pushing the arms towards the outside while pulling the panel towards you.
If the front panel is difficult to remove, grasp both ends of it and lift it up slightly. Move it to the left and disengage the left arm, then move it to the right and disengage the right arm. (Fig. 5-12)

(2) Lift the anti-mold filter up slightly to disengage it from the protrusions on the unit, and then pull downward to remove the filter from the unit. (Fig. 5-12)

(3) Remove the 3 screws from the front of the unit and remove the screw covers on the bottom surface. Then remove the 2 screws. (Fig. 5-13)

(4) Remove the screw on the right side cover plate and remove the cover. (Fig. 5-13)

(5) Remove the lower flap by disengaging 4 pins of the lower flap in order. (Figs. 5-14 and 5-15)
(The flap is so flexible that it can be easily removed.)

(6) Lift up the grille in the direction shown by the arrow and pull the grille towards you to remove it. (Fig. 5-16)

How to replace the grille

(1) While aligning the top edge of the grille with the frame, move the grille horizontally and insert the top and bottom into the frame.

(2) Press the grille firmly with your hand to ensure no gap exists between the frame and grille.

(3) Tighten the 6 screws. And fix the removed covers in place.

(4) Grasp the sections near the front panel arms on both sides, and hold the front panel so that it is nearly horizontal. Push the arm shafts towards the outside so that they come into contact with the top of the indentations on the right and left sides of the air conditioner. Then push firmly until the arm shafts click into place. (Fig. 5-17)

(5) Remount the lower flap.
(In remounting the flap, it cannot be turned end for end because the right and left pins of the flap differ in form. (Fig. 5-15))

(6) Insert the top of the anti-mold filter, and then secure the bottom of the filter with the protrusions on the unit.

(7) When closing the front panel, push the central part of the front panel first and then press the bottom right and left corners in place until you feel a click. (Fig. 5-18)

NOTE

Check that no gap exists between the frame and the grille.

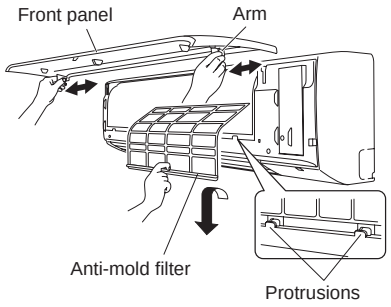


Fig. 5-12

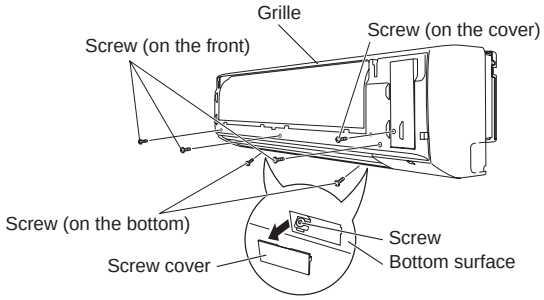


Fig. 5-13

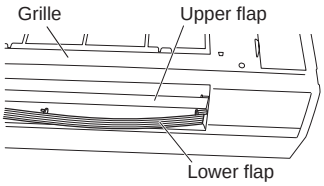


Fig. 5-14

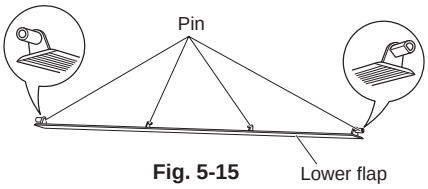


Fig. 5-15

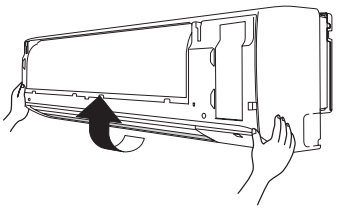


Fig. 5-16

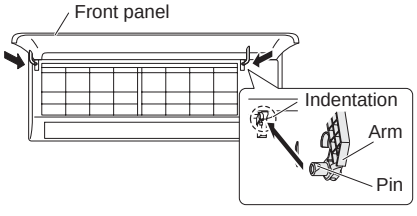


Fig. 5-17

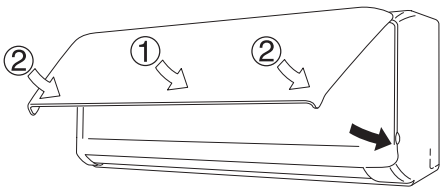


Fig. 5-18

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Shape the Indoor Side Tubing

(1) Arrangement of tubing by direction

a) Right or left tubing

Cut out the corner of the right/left frame with a hacksaw or the like. (Figs. 5-19 and 5-20)

b) Right-rear or left-rear tubing

In this case, the corner of the frame need not be cut.

(2) To mount the indoor unit on the rear panel:

Hang the 3 mounting slots of the unit on the upper tabs of the rear panel. (Fig. 5-21)

Wiring Instructions

General precautions on wiring

(1) Before wiring, confirm the rated voltage of the unit as shown on its nameplate, then carry out the wiring closely following the wiring diagram.

(2) Provide a power outlet to be used exclusively for each unit, with a power supply disconnect and circuit breaker for overcurrent protection provided in the exclusive line.

(3) To prevent possible hazards due to insulation failure, the unit must be grounded.

(4) Each wiring connection must be done tightly and in accordance with the wiring system diagram. Wrong wiring may cause the unit to misoperate or become damaged.

(5) Do not allow wiring to touch the refrigerant tubing, compressor, or any moving parts of the fan.

(6) Unauthorized changes in the internal wiring can be very dangerous. The manufacturer will accept no responsibility for any damage or misoperation that occurs as a result of such unauthorized changes.

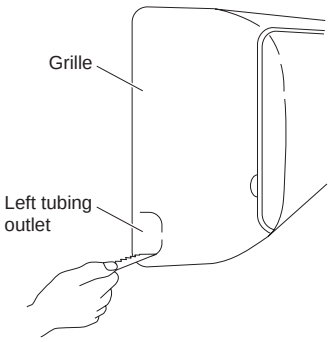


Fig. 5-19

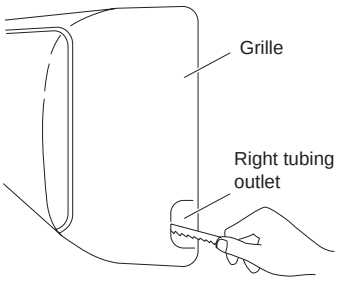


Fig. 5-20

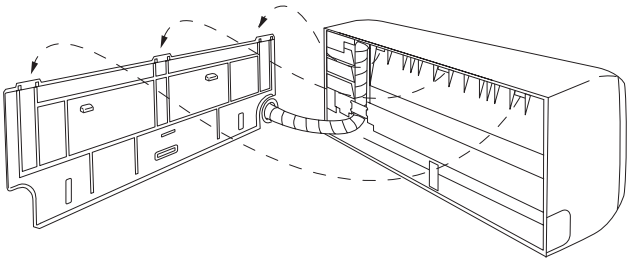


Fig. 5-21

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Mounting

(1) To install the indoor unit, mount the indoor unit onto the 3 tabs on the upper part of the rear plate.

(2) Hold down the air discharge outlet and press the lower part of the indoor unit until it clicks to securely fasten to the 2 tabs on the lower part of the rear plate. (Fig. 5-22)

NOTE

For tubing, choose either the right or left tubing direction and follow the steps below. Also, extend the support on the back of the indoor unit as a stand to make your work easier. (Fig. 5-23)

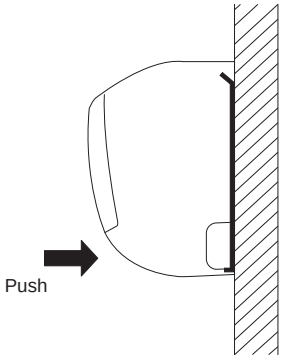


Fig. 5-22

■ Right-side tubing

(1) Shape the refrigerant tubing so that it can easily go into the wall hole. (Fig. 5-24)

(2) Push the wiring, refrigerant tubing, and drain hose through the hole in the wall. Adjust the indoor unit so it is securely seated on the rear panel. (Fig. 5-25)

(3) Carefully bend the tubing (if necessary) to run along the wall in the direction of the outdoor unit and then tape as far as the fittings. The drain hose should come straight down the wall to a point where water runoff won't stain the wall.

(4) Connect the refrigerant tubing to the outdoor unit. (After performing a leak test on the connecting part, insulate it with the tubing insulation. (Fig. 5-26)).

(5) Assemble the refrigerant tubing, drain hose, and conduit (including inter-unit wiring) as shown in Fig. 5-27.

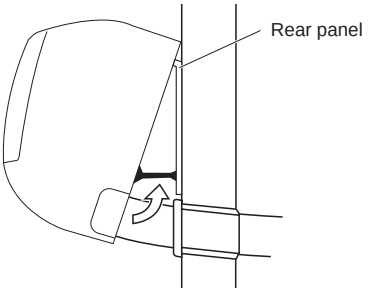


Fig. 5-23

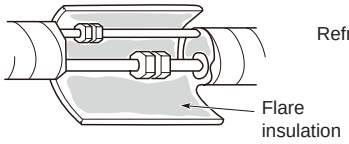


Fig. 5-26

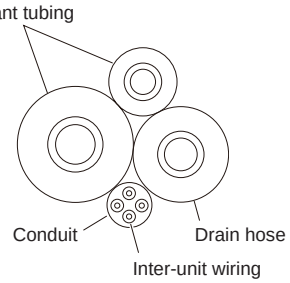


Fig. 5-27

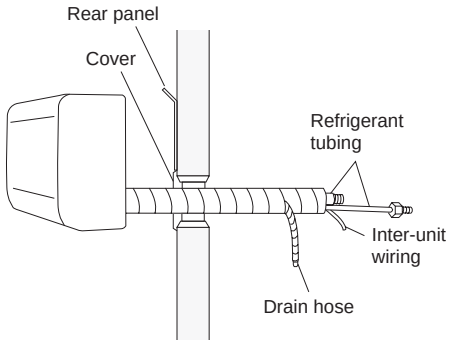


Fig. 5-24

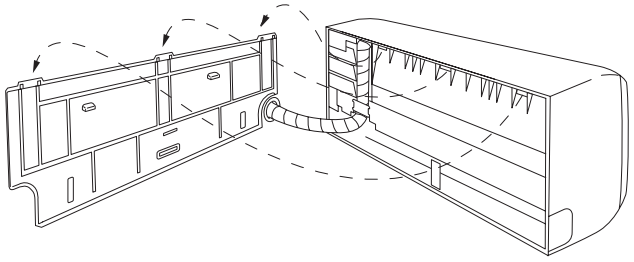


Fig. 5-25

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■ Left-side tubing

(1) Lead the tubing and drain hose through the wall, allowing sufficient length for connection. Then bend the tubing using a tube bender to make the attachment. (Fig. 5-28)

(2) Switch the drain hose and drain cap.

Switching drain hose and drain cap

(a) Locate the drain hose and the drain cap. (Fig. 5-29)

(b) Remove the screw fastening the drain hose on the right side, and pull out the drain hose to remove it. (Fig. 5-29)

(c) Apply moderate force to pull off the drain cap on the left side. (If you cannot pull it off by hand, use a long-nose pliers.)

(d) Reattach the drain hose to the left side and the drain cap to the right side. (Fig. 5-30)

Drain hose

Slide the drain hose fully onto the drain pan outlet. (It will be easy to slide when water is added.) Check that the screw holes in the drain bracket and the drain pan outlet are aligned and securely in contact, then fasten them with the screw. (After attaching the drain hose, check that it is attached securely.) (Fig. 5-31)

Drain cap

Use a Phillips head screwdriver to push the drain cap in firmly. (If it is difficult to push in, wet the cap with water first.)

(3) Install the indoor unit on the rear panel.

(4) Connect the tubing and wiring led inside from outdoors.

(5) After completing a leak test, bundle the tubing together with armoring tape and store it inside the tubing storage area at the back of the indoor unit and hold it with clamps. (Figs. 5-30 and 5-32)

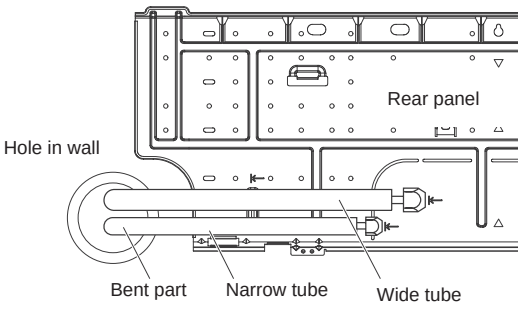


Fig. 5-28

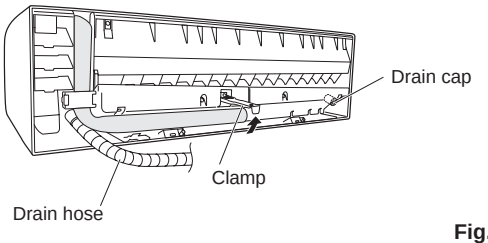


Fig. 5-29

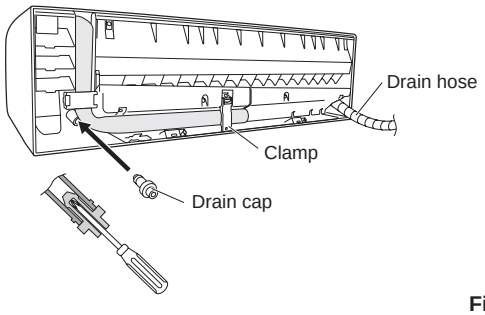


Fig. 5-30

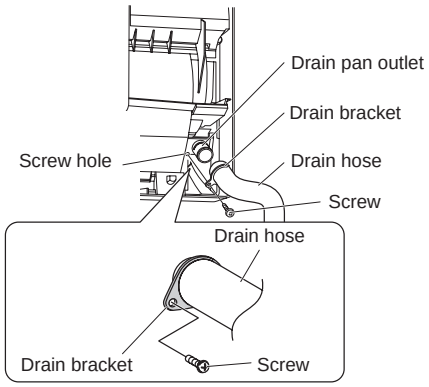


Fig. 5-31

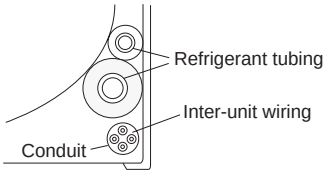


Fig. 5-32

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To unmount indoor unit

(1) Remove the screw cover on the bottom surface. (Fig. 5-34)

(2) Fasten the frame to the rear panel using the 2 supplied tapping screws 4 × 10 mm. (Fig. 5-34)

(3) Press the 2 △ marks on the lower part of the indoor unit and unlatch the tabs. Then lift the indoor unit and unmount. (Fig. 5-33)

NOTE

Under normal conditions, the installation design calls for a less than 2 mm gap between the air conditioner unit and the wall. Confirm that the gap is appropriate (less than 2 mm).

Drain Hose

a) The drain hose should be slanted downward to the outdoors. (Fig. 5-35)

b) Never form a trap in the course of the hose.

c) If the drain hose will run in the room, insulate the hose with insulation* so that chilled condensation will not damage furniture or floors. (Fig. 5-36)

*Foamed polyethylene or its equivalent is recommended.

WARNING **Do not supply power to the unit or operate it until all tubing and wiring to the outside unit are completed.**

Risk of Electric Shock

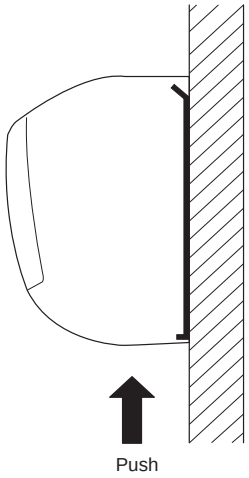


Fig. 5-33

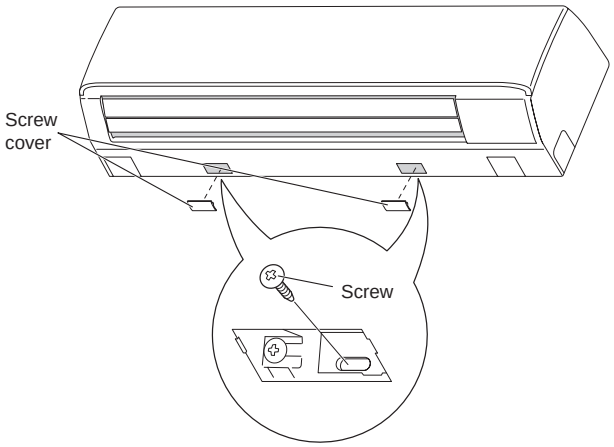


Fig. 5-34

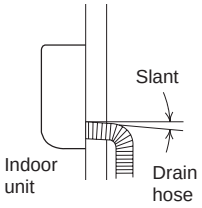


Fig. 5-35

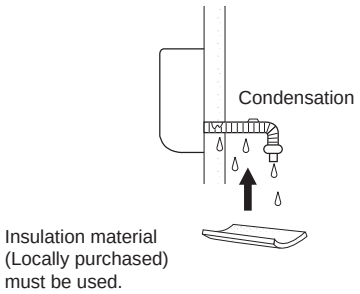


Fig. 5-36

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(Wall Mounted)

Part Name	Figure	Q'ty
Tapping screw	Truss-head Phillips 4 × 20 mm 	8
Tapping screw	Truss-head Phillips 4 × 10 mm 	2
Flare insulation		1

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6. SELECTING THE INSTALLATION SITE
Low Silhouette Ducted Type (F1)

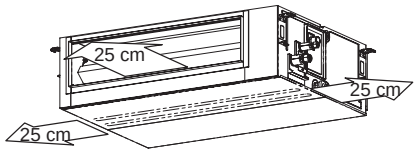
Indoor Unit

AVOID:

- areas where leakage of flammable gas may be expected.
- places where large amounts of oil mist exist.
- direct sunlight.
- locations near heat sources which may affect the performance of the unit.
- locations where external air may enter the room directly. This may cause “condensation” on the air discharge ports, causing them to spray or drip water.
- locations where the remote controller will be splashed with water or affected by dampness or humidity.
- installing the remote controller behind curtains or furniture.
- locations where high-frequency emissions are generated.

DO:

- select an appropriate position from which every corner of the room can be uniformly cooled.
- select a location where the ceiling is strong enough to support the weight of the unit.
- select a location where tubing and drain pipe have the shortest run to the outdoor unit.
- allow room for operation and maintenance as well as unrestricted air flow around the unit.
- install the unit within the maximum elevation difference above or below the outdoor unit and within a total tubing length (L) from the outdoor unit as detailed in the Installation Instructions packed with the outdoor unit.
- allow room for mounting the remote controller about 1m off the floor, in an area that is not in direct sunlight or in the flow of cool air from the indoor unit.



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■ HOW TO INSTALL THE INDOOR UNIT

■ Low Silhouette Ducted Type (F1 Type)

6-1. Required Minimum Space for Installation and Service

- This air conditioner is usually installed above the ceiling so that the indoor unit and ducts are not visible. Only the air intake and air outlet ports are visible from the unit bottom.
- The minimum space for installation and service is shown in Fig. 6-1 and Table 6-1.

Table 6-1 Unit: mm

Type	36, 45, 50	60, 71	100, 125, 140
A (Length)	867	1,067	1,467

- It is recommended that space be provided (450 × 450 mm) for checking and servicing the electrical system.
- The detailed dimensions of the indoor unit is shown in Fig. 6-2 and Table 6-2.

Unit: mm

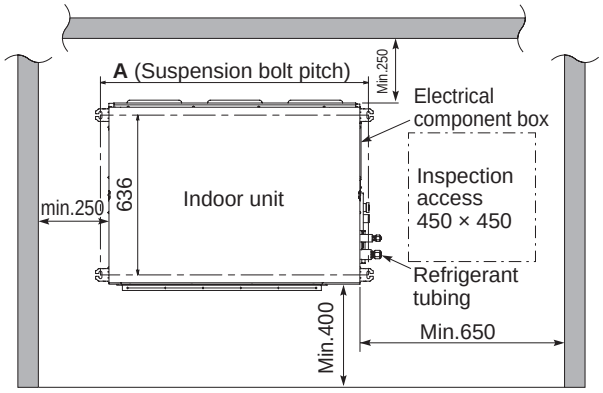
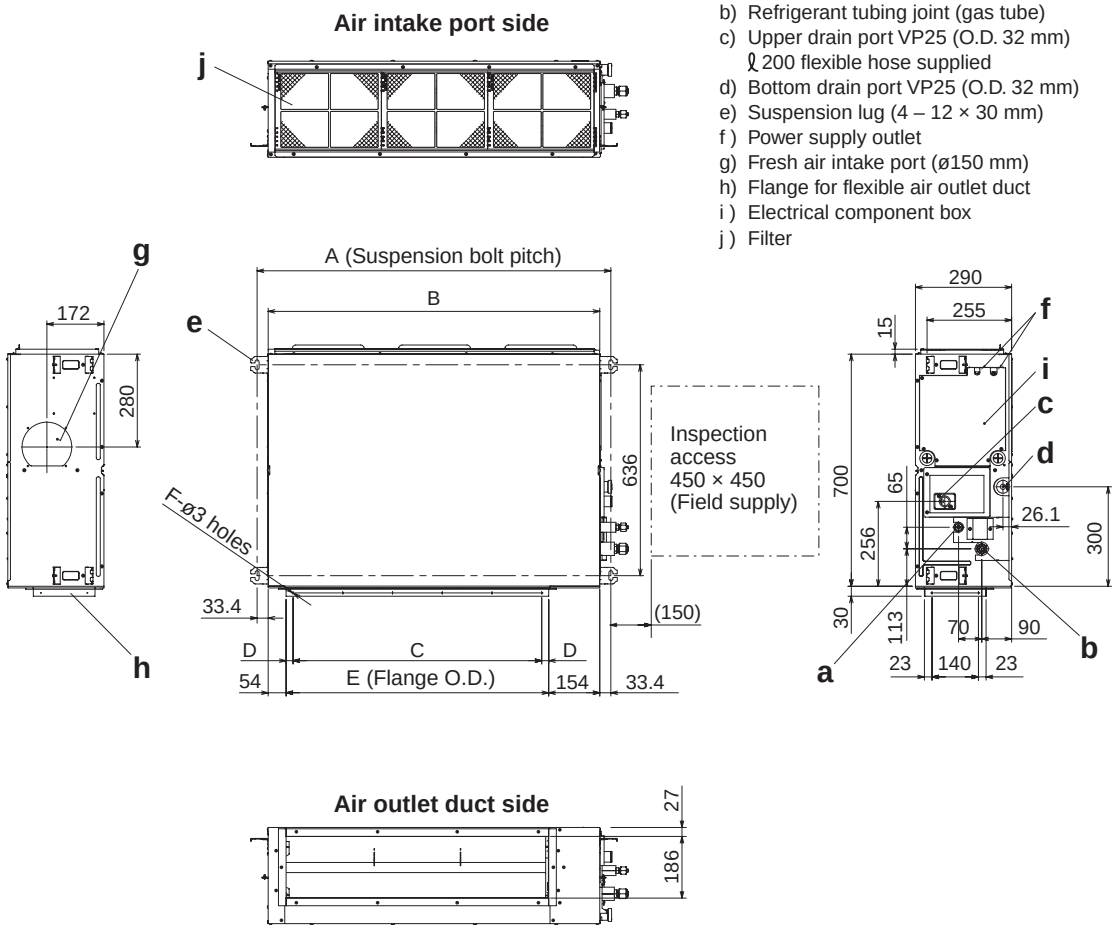


Fig. 6-1

Table 6-2 Unit: mm

Type	A	B	C	D	E	F
36, 45, 50	867	800	450 (Pitch 150 × 3)	71	592	12
60, 71	1,067	1,000	750 (Pitch 150 × 5)	21	792	16
100, 125, 140	1,467	1,400	1,050 (Pitch 150 × 7)	71	1,192	20

a) Refrigerant tubing joint (liquid tube)
b) Refrigerant tubing joint (gas tube)
c) Upper drain port VP25 (O.D. 32 mm) ℓ200 flexible hose supplied
d) Bottom drain port VP25 (O.D. 32 mm)
e) Suspension lug (4 – 12 × 30 mm)
f) Power supply outlet
g) Fresh air intake port (ø150 mm)
h) Flange for flexible air outlet duct
i) Electrical component box
j) Filter



Unit: mm

Fig. 6-2

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6-2. Suspending the Indoor Unit

Depending on the ceiling type:

- Insert suspension bolts (Fig. 6-3)
  or
- Use existing ceiling supports or construct a suitable support (Fig. 6-4).

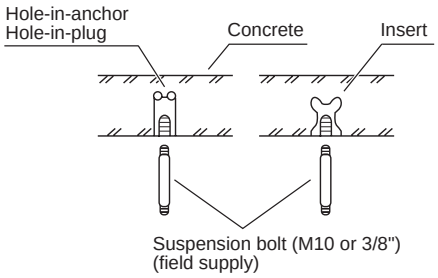


Fig. 6-3

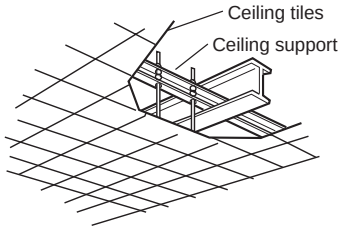


Fig. 6-4

⚠ WARNING

It is important that you use extreme care in supporting the indoor unit inside the ceiling. Ensure that the ceiling is strong enough to support the weight of the unit. Before hanging the unit, test the strength of each attached suspension bolt.

(1) When placing the unit inside the ceiling, determine the pitch of the suspension bolts referring to the dimensional data as shown in Fig. 6-1 and Table 6-2.
Tubing must be laid and connected inside the ceiling when suspending the unit. If the ceiling is already constructed, lay the tubing into position for connection to the unit before placing the unit inside the ceiling.

(2) Screw in the suspension bolts allowing them to protrude from the ceiling (Fig. 6-3). (Cut the ceiling material, if necessary.)

(3) Thread the 3 hexagonal nuts and 2 washers (field supply) onto each of the 4 suspension bolts (Figs. 6-5 and 6-6). Use 1 nut and 1 washer for the upper part, and 2 nuts and 1 washer for the lower part, so that the unit will not fall off the suspension lugs.

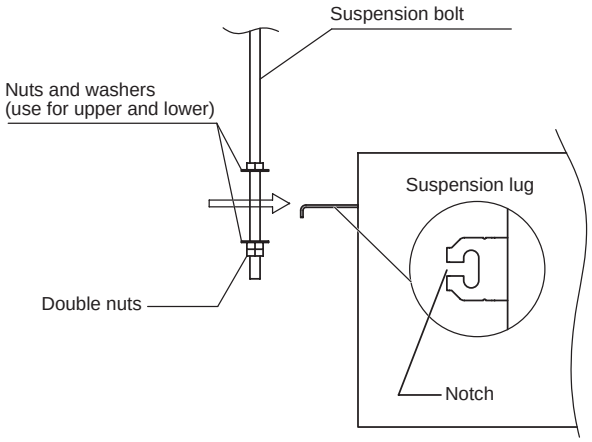


Fig. 6-5

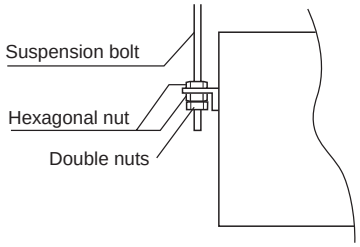


Fig. 6-6

● This shows an example of installation.

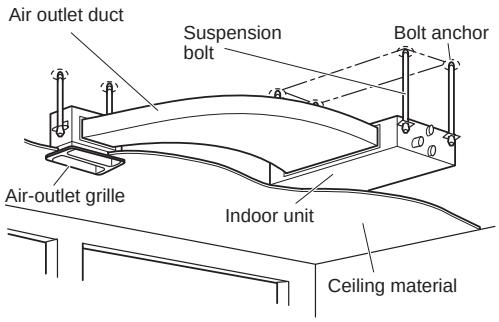


Fig. 6-7

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6-3. Installing the Drain Pipe

(1) Prepare standard hard PVC pipe (O.D. 32 mm) for the drain and use the supplied hose band to prevent water leaks.
The PVC pipe must be purchased separately.
The transparent drain part on the unit allows you to check drainage. (Fig. 6-8)

⚠ CAUTION

- **Do not use adhesive tape at the drain connection port on the indoor unit.**
- **Insert the drain pipe until it contacts the socket, and then secure it tightly with the hose band.**
- **Do not use the supplied drain hose bent at a 90° angle. (The maximum permissible bend is 45°.)**
- **Tighten the hose clamps so their locking nuts face upward. (Fig. 6-8)**

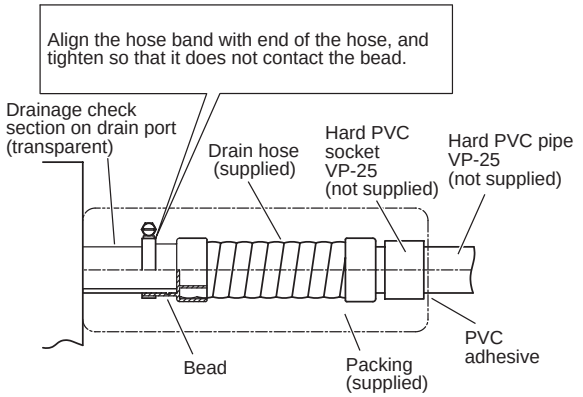


Fig. 6-8

(2) After connecting the drain pipe securely, wrap the supplied packing and drain pipe insulator around the pipe, then secure it with the vinyl clamps . (Fig. 6-9)

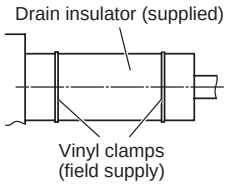


Fig. 6-9

NOTE

Make sure the drain pipe has a downward slant (1/100 or more) and that there are no water traps.

⚠ CAUTION

- **Do not install an air bleeder as this may cause water to spray from the drain pipe outlet. (Fig. 6-10)**

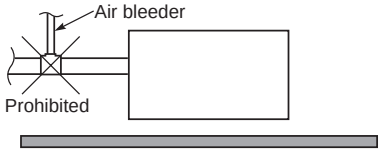


Fig. 6-10

- **If it is necessary to increase the height of the drain pipe, the section directly after the connection port can be raised a maximum of 500 mm. Do not raise it any higher than 500 mm, as this could result in water leaks. (Fig. 6-11)**

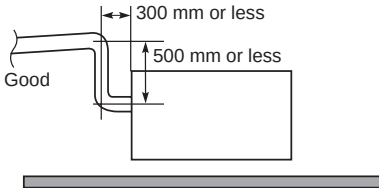


Fig. 6-11

- Do not install the pipe with an upward slant from the connection port. This will cause the drain water to flow backward and leak when the unit is not operating. (Fig. 6-12)

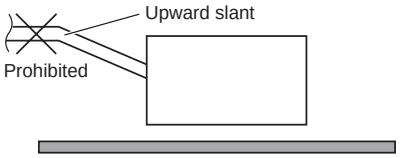


Fig. 6-12

- Do not apply force to the piping on the unit side when connecting the drain pipe. The pipe should not be allowed to hang unsupported from its connection to the unit. Fasten the pipe to a wall, frame, or other support as close to the unit as possible. (Fig. 6-13)

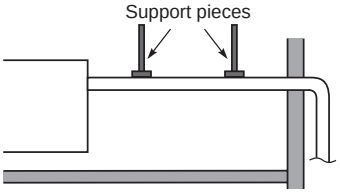


Fig. 6-13

Checking the Drainage

After wiring and drain piping are completed, use the following procedure to check that the water will drain smoothly. For this, prepare a bucket and wiping cloth to catch and wipe up spilled water.

(1) Connect power to the power terminal board (R, S terminals) inside the electrical component box.

(2) Remove the tube cover and slowly pour about 1,200 cc of water through the opening into the drain pan to check drainage.

(3) Short-circuit the check pin (CHK) on the indoor control circuit board and operate the drain pump. Check the water flow through the transparent drain port and see if there is any leakage.

⚠ CAUTION

Be careful since the fan will start when you short the pin on the indoor control board.

(4) When the drainage check is complete, open the check pin (CHK) and remount the insulator and drain cap onto the drain inspection port.

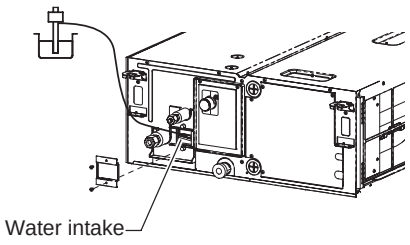


Fig. 6-14

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6-4. Connecting Duct to Air Intake Port Side

(1) First pull out a filter in the direction of the electrical equipment box in the unit. (Fig. 6-15)
The pre-installed filter will not be used any more.

(2) Then remove the seal packing, bracket and filter attached to the side of the air intake port. (Fig. 6-15)

(3) Install the duct (field supply).
See the figure for the dimension of the installation hole.
Use M5 self-tapping screws for installation. (Fig. 6-16)

NOTE

- Select an air-intake grille with a filter at a local shop.
- To get clean air and to extend the service life of the air conditioner, an air filter must be installed in the air intake. For installation and cleaning the air filter, consult your dealer or service center.

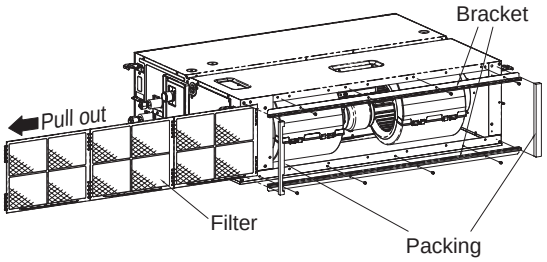
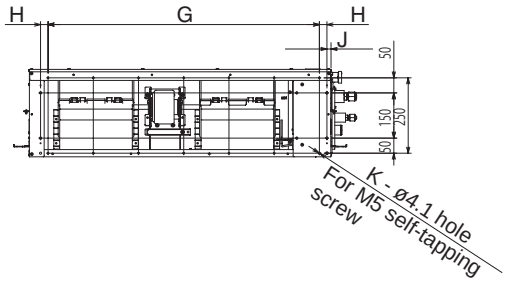


Fig. 6-15



Type	G	H	J	K
36, 45, 50	600 (Pitch 150 × 4)	25	113	14
60, 71	900 (Pitch 150 × 6)	25	13	18
100, 125, 140	1,350 (Pitch 150 × 9)	0	13	24

Fig. 6-16

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6-5. External Static Pressure Setting

Choose one of the following methods from “a”, “b”, “c” or “d” as shown in the flow chart (within the dotted lines) and then make the setting accordingly.

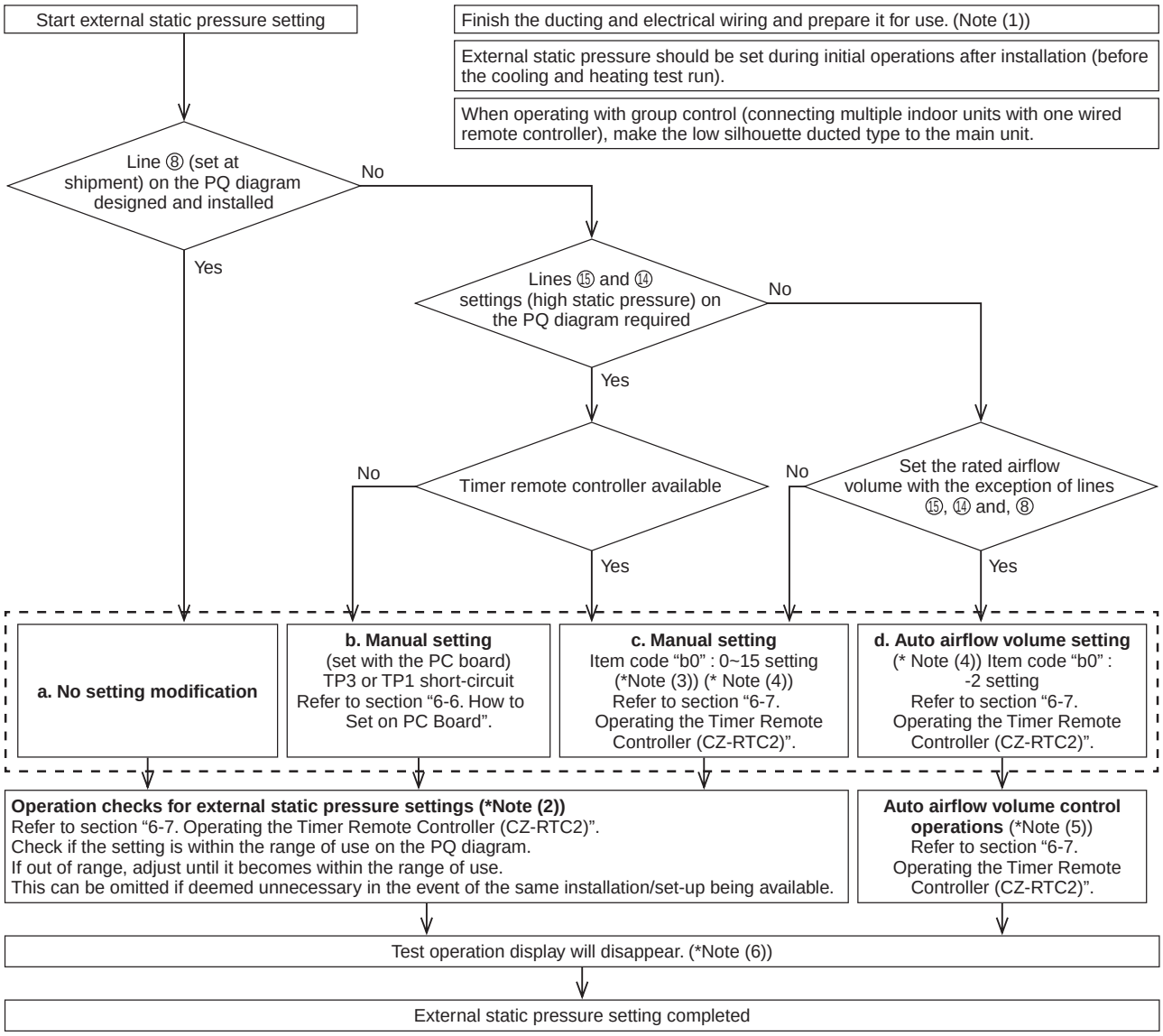
a. No setting modification..... : Use-as-is at shipment (there are cases in which the setting may differ from the shipment setting when reset after once setting the external static pressure.)

b. Manual setting (set with the PC board)..... : For high static pressure. Switching method with the short-circuit connector.

c. Manual setting (set with the wired remote controller) ..... : Low static pressure ~ high static pressure

d. Auto airflow volume setting (set on the wired remote controller) .... : Air outlet volume is automatically adjusted to the rated airflow volume with the auto airflow control drive.

Flow of External Static Pressure



NOTE

(1) Check the following items before performing the setting-check operations or auto airflow volume operations.

1) Check to make sure that the electrical wiring and ducting have been completed. Activate the stand-by mode. In particular, make sure that the closed damper located in the middle of the duct is open, if installed. Also, make sure that air filters have been installed inside the air inlet duct.
Check to make sure air is not leaking from the joints.

2) If multiple air outlets and air inlets are included, adjust the airflow volume ratio of all of them until they meet the design airflow ratio.

3) Make sure the address setting has been completed.

(2) The operation check will be completed in approximately three minutes if the settings have been made correctly. The settings will be modified if they are out of the range of use (max. 30 minutes.). If this is not completed within 31 minutes, check whether the air speed is set to “H” or not.

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(3) Refer to Table 6-4 and Fig. 6-18 for details on the relationship between the value of item code “b0” and the external static pressure.

(4) When set in group control (connecting multiple indoor units with one wired remote controller), set each indoor unit to item code “b0”. When amending the setting after selecting [b. Manual setting] (due to airflow path changes, etc.), it is necessary to cancel [b. Manual setting] (disconnect short-circuit connector). When [b. Manual setting] has not been cancelled, [c. Manual setting] and [d. Auto airflow volume setting] will be activated if selected, but [b Manual setting] takes precedence when the power is switched back on after power outages, etc.

(5) If this is not completed within 8 minutes, check the drive mode, air speed and air inlet temperature.

(6) When set in group control (connecting multiple indoor units with one wired remote controller), the test run operations display will disappear once the external static pressure setting check or auto airflow volume control operation check have been completed for the main unit. Decisions on sub-unit complete are not possible. The test run operation display will disappear after one hour even if the external static pressure setting check or auto airflow volume control operation check have not been completed.

⚠ **CAUTION**

- **Be sure to check that the external static pressure is within the range for use and then make the setting. Failure to observe this may result in insufficient airflow or water leakages. Refer to Fig. 6-18 for the external static pressure setting range.**
- **There are cases in which automatic variable dampers and other mounted items may trigger the P12 alarm on systems that modify the external static pressure when the auto airflow volume control operations or setting check operations are carried out if high external static pressure is lowered. In this event, lower the dampers, etc., so that the external static pressure reaches its lowest level, and then carry out the auto airflow volume control operations or setting check operations.**
- **Be sure to set the [External Static Pressure Setting] once again after amending the airflow path for the duct or air outlet after setting the external static pressure.**
- **Set the air inlet temperature within the range for use. The auto airflow volume control will not function if the air inlet temperature is over 45°C or not in the fan mode.**

6-6. How to Set on PC Board

1. Turn off the power breaker to halt the supply of electricity to the PC board.
2. Open the lid of electrical equipment box and check where the short-circuit pin on the indoor unit control PC board is located (Fig. 6-17)
3. Short circuit the applicable short-circuit pin in accordance with the selected short-circuit pin connected (Fig. 6-18).

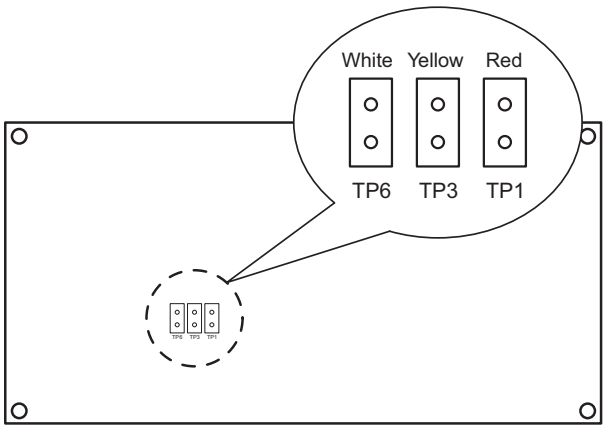
   150 Pa : TP3 (2P: yellow) short-circuit

   140 Pa : TP1 (2P: red) short-circuit

   * Use the short-circuit connector (2P: yellow) supplied.

Table 6-3 Selection of connected short-circuit pins

External static pressure at the time of rated airflow volume	Short-circuit pin
Unusable	TP6 (2P: white)
150 Pa	TP3 (2P: yellow)
140 Pa	TP1 (2P: red)



Indoor Unit control PC board

Fig. 6-17

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6-7. Operating the Timer Remote Controller (CZ-RTC2)

Setting Item Code "b0"

1. Press and hold down the [🔧], [CANCEL] and [SET] buttons simultaneously for 4 or more seconds.
   (SETTING, the Unit No., Item Code and Detailed Data will blink on the remote controller's LCD display.)
2. The indoor unit numbers in the group control will be sequentially displayed whenever the Unit Select button is pressed [UNIT].
   Only the fan motor for the selected indoor unit will operate during this.
3. Specify the "b0" item code by pressing the [▲]/[▼] buttons for the temperature setting buttons and confirm the values.
   ("-001" set at shipment)
4. Press the [▲]/[▼] buttons for the time to amend the values for the set data.
   Refer to table 6-4 and Fig.6-18 and select a value between "0001" and "0015".
   Select "-002" if the auto airflow volume setting is activated.
5. Press the [SET] button.
   The display will stop blinking and remain illuminated.
6. Press the [🔧] button. The fan motor will stop operating and the LCD display will return to the normal stop mode.

Auto Airflow Volume Control Operations and External Static Pressure Setting-Check Operation

1. Press and hold down the [🔧] button for 4 or more seconds. "TEST" will be displayed on the remote controller's LCD display.
2. Press the [⏻] button to commence the test run. [Test Run] will be displayed on the remote controller's LCD display.
3. Select the fan mode and set it to "H" by pressing the [💨] button.

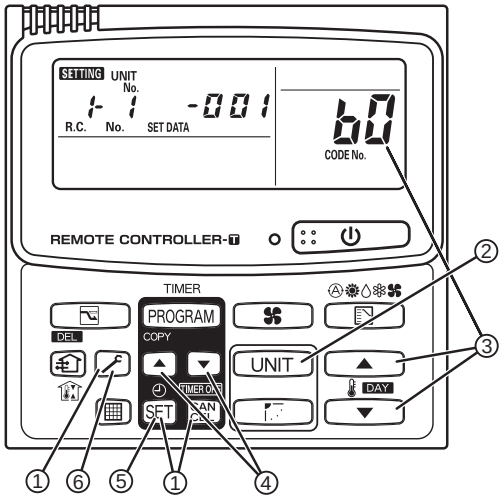
⚠ CAUTION

Auto airflow volume control operations and external static pressure setting-check operations will not be performed unless [H] has been selected for the fan mode.

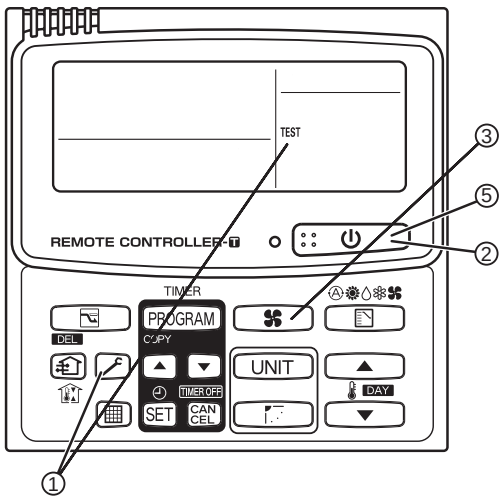
4. The fan motor will be activated and auto airflow volume control operations or external static pressure setting-check operations will commence.
   The power of the airflow will change while these operations are in progress.
   The external static pressure setting-check operations and auto airflow volume control operations will be completed in about 3 to 30 minutes.
   The "TEST" display will be extinguished from the remote controller's LCD display.
5. Press the [⏻] button to halt the test run.

Table 6-4 Setting the external static pressure

Indoor unit		Item code
36, 45, 50, 60, 71	100, 125, 140	b0
External static pressure of the rated air flow volume (Pa)		
150	150	0015
140	140	0014
130	130	0013
120	120	0012
100	110	0011
70	100	0008
60	70	0006
50	50	0005
30	30	0003
10	10	0001
No auto airflow volume setting		-001
Auto airflow volume setting		-002



* Failure to set this parameter may result in decreased airflow and condensation.

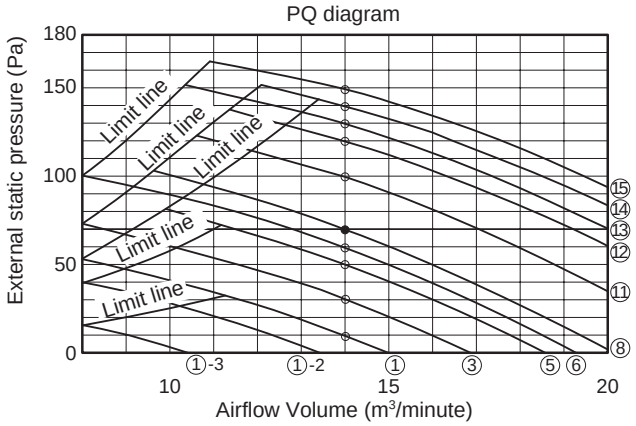


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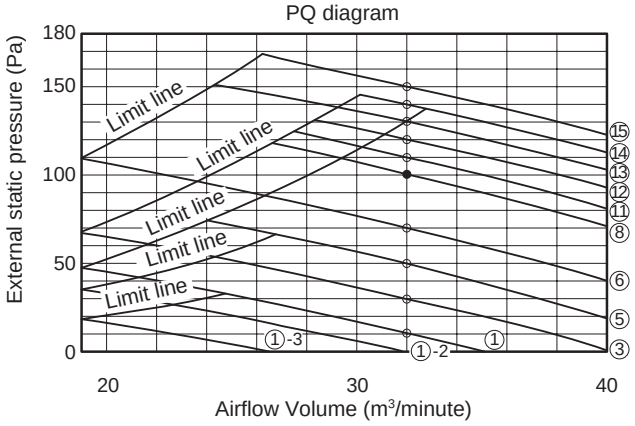
Indoor Fan Performance

Tap	Item code "60" 00 15 Cooling	00 15 Heating	00 14 Cooling	00 14 Heating	00 13 Cooling	00 13 Heating	00 12 Cooling	00 12 Heating	00 11 Cooling	00 11 Heating	00 08 Cooling	00 08 Heating	00 06 Cooling	00 06 Heating	00 05 Cooling	00 05 Heating	00 03 Cooling	00 03 Heating	00 01 Cooling	00 01 Heating
⑮	H	H									Setting at shipment									
⑭			H	H																
⑬	M	M			H	H														
⑫							H	H												
⑪				M					H	H										
⑧			M			M	M	M			H	H								
⑥	L	L			M				M	M			H	H						
⑤											M	M			H	H				
③				L		L	L	L	L	L			M	M	M	M	H	H		
①			L		L						L	L	L	L			M	M	H	H
①-2															L	L	L	L	M	M
①-3																			L	L

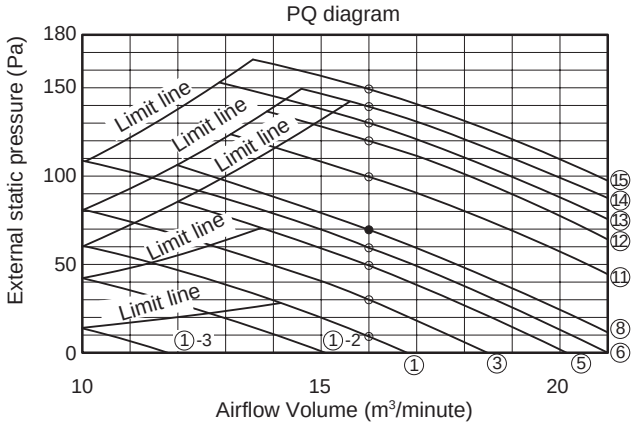
36, 45 types



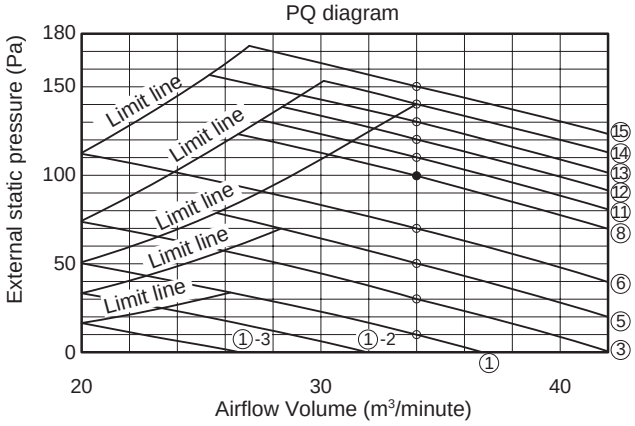
100 type



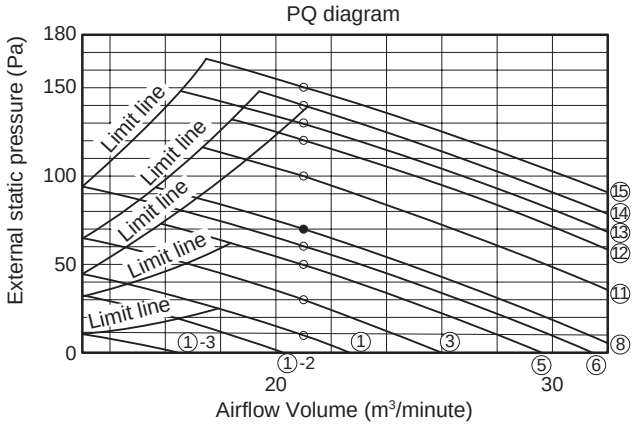
50 type



125 type



60, 71 types



140 type

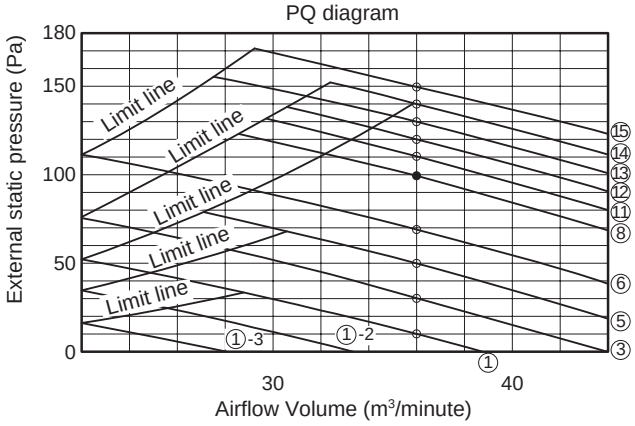
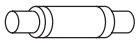


Fig. 6-18

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(Low Silhouette Ducted)

Part Name	Figure	Q'ty	Remarks
Washer		8	For suspending indoor unit from ceiling
Flare insulator		2	For gas and liquid tubes
Insulating tape		2	For gas and liquid tubes flare nuts
Drain insulator		1	For drain hose joint
Hose band		1	For securing drain hose
Packing		1	For drain hose joint (hard material)
Packing		1	For drain hose joint (soft material)
Drain hose		1	
Operating Instructions		1	A5-size
Installation Instructions		1	Included this instructions
Short-circuit connection		1	For high static pressure (Located on the back of the electrical component box lid.)

- Use M10 for suspension bolts.
- Suspension bolts and nuts are field supply.

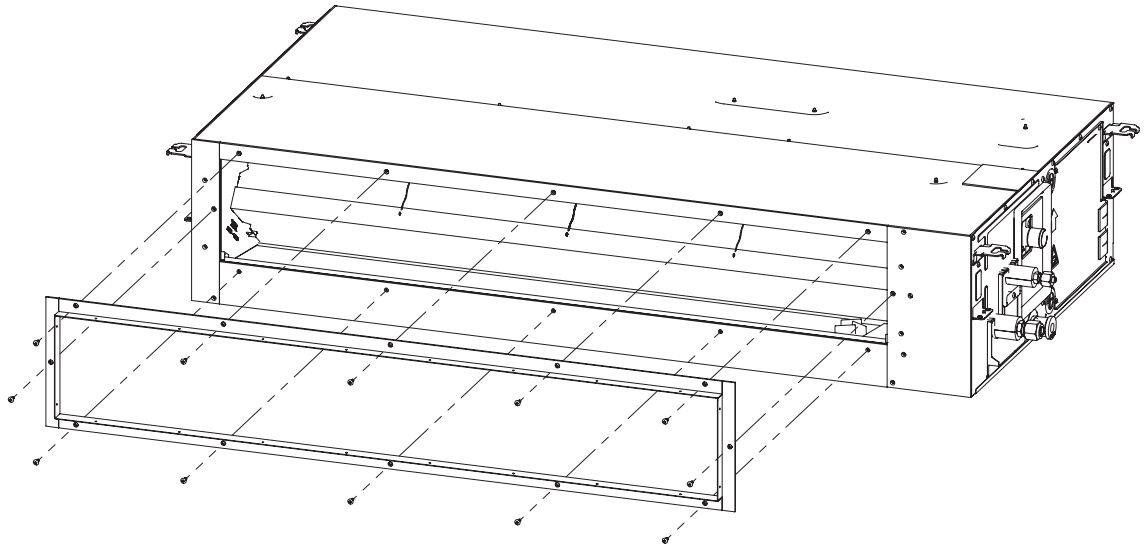
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■ Optional Duct Frange

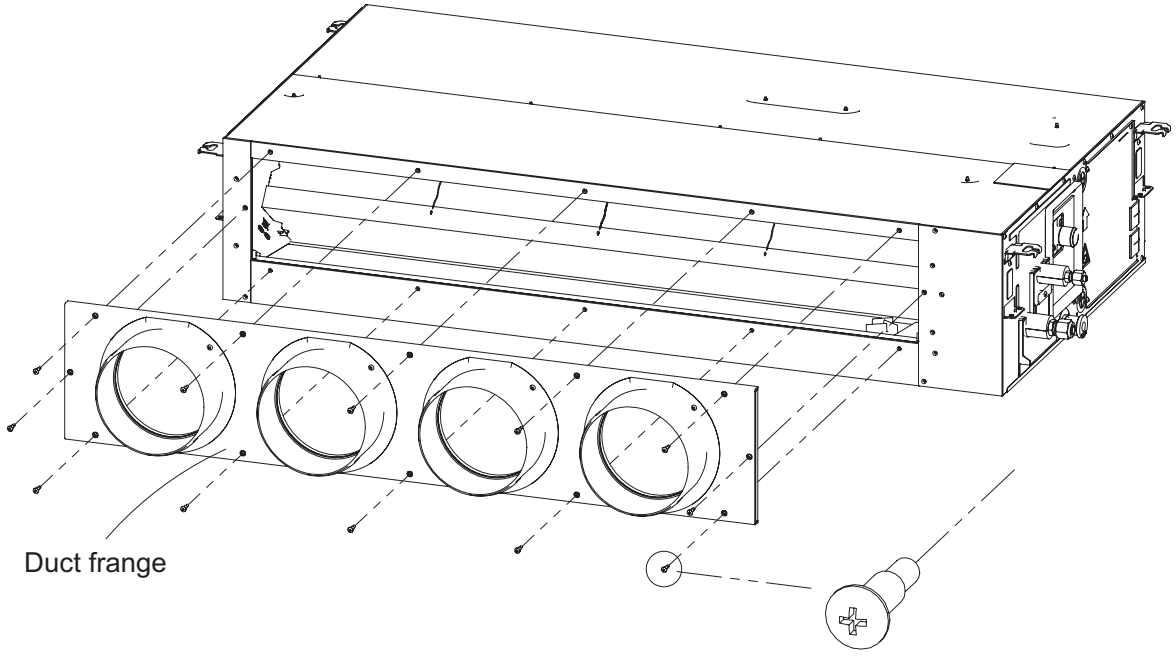
How to Install Duct Frange

- 4 circle duct frange (CZ-160DAF2)
- 3 circle duct frange (CZ-90DAF2)
- 2 circle duct frange (CZ-56DAF2)

1. Remove the air outlet duct frange.



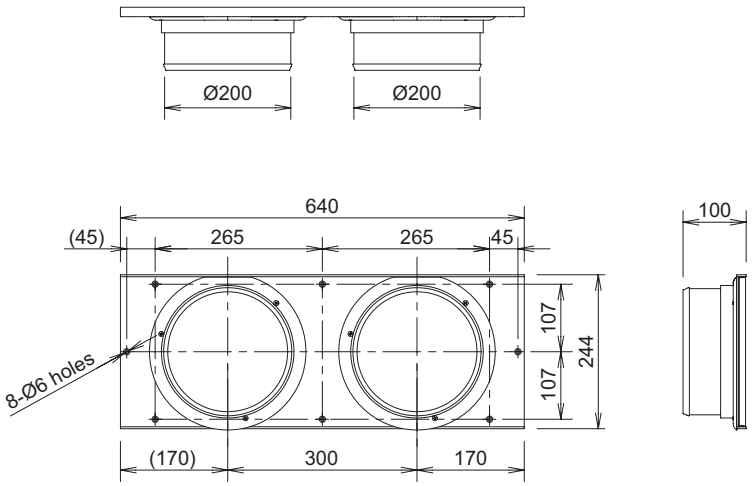
2. Attach the duct frange to the side of the unit with the supplied screws.



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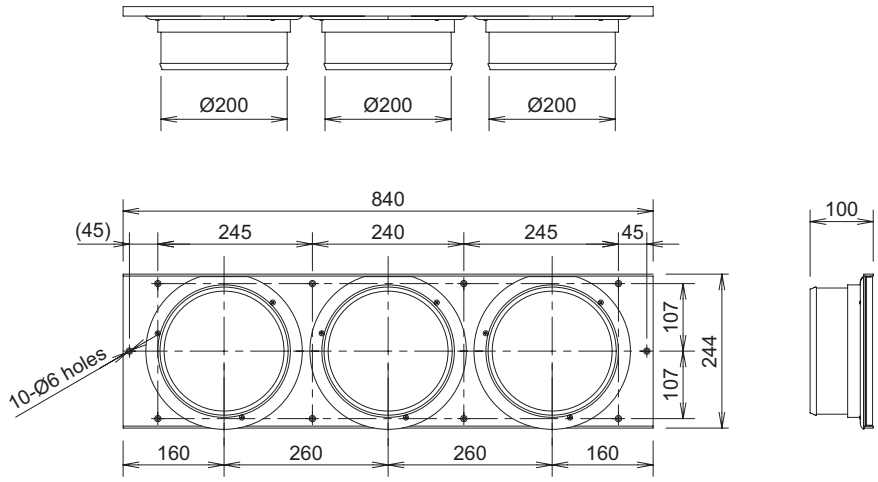
Dimensional Diagram : CZ-56DAF2

unit: mm



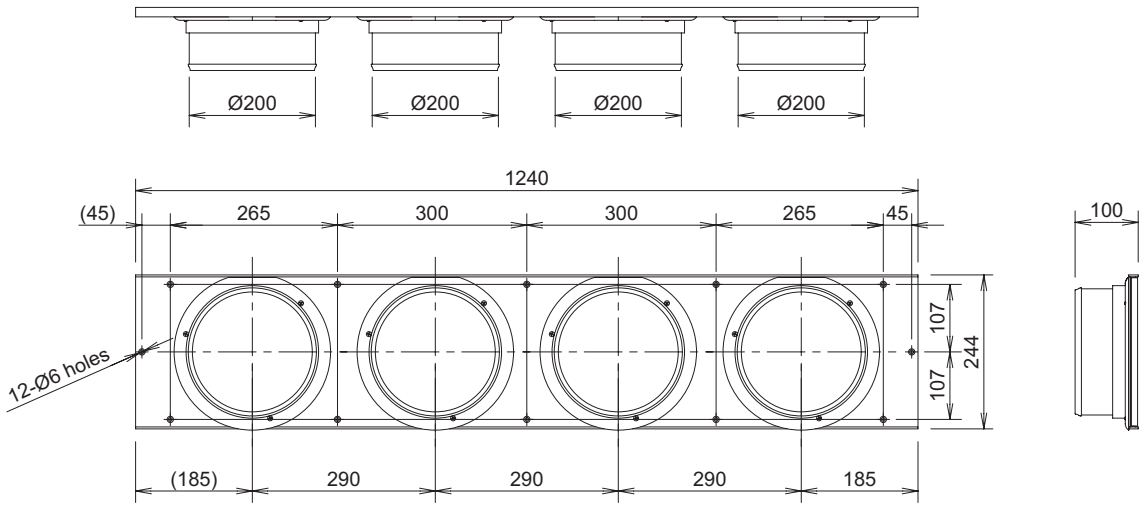
Dimensional Diagram : CZ-90DAF2

unit: mm



Dimensional Diagram : CZ-160DAF2

unit: mm



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7. SELECTING THE INSTALLATION SITE
Ducted Type (N1)

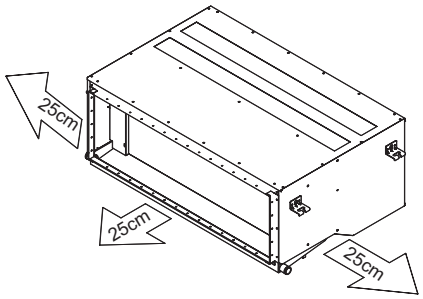
Indoor Unit

AVOID:

- areas where leakage of flammable gas may be expected.
- places where large amounts of oil mist exist.
- direct sunlight.
- locations near heat sources which may affect the performance of the unit.
- locations where external air may enter the room directly. This may cause “condensation” on the air discharge ports, causing them to spray or drip water.
- locations where the remote controller will be splashed with water or affected by dampness or humidity.
- installing the remote controller behind curtains or furniture.
- locations where high-frequency emissions are generated.

DO:

- select an appropriate position from which every corner of the room can be uniformly cooled.
- select a location where the ceiling is strong enough to support the weight of the unit.
- select a location where tubing and drain pipe have the shortest run to the outdoor unit.
- allow room for operation and maintenance as well as unrestricted air flow around the unit.
- install the unit within the maximum elevation difference above or below the outdoor unit and within a total tubing length (L) from the outdoor unit as detailed in the Installation Instructions packed with the outdoor unit.
- allow room for mounting the remote controller about 1m off the floor, in an area that is not in direct sunlight or in the flow of cool air from the indoor unit.



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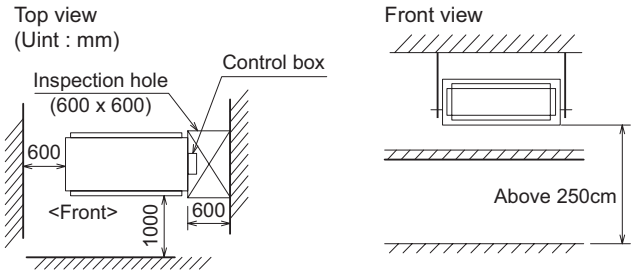
■ SELECTING THE LOCATION FOR THE INDOOR UNIT

7-1. Required Minimum Space for Installation and Service

Provide a check port on the piping side ceiling for repair and maintenance.

Install the indoor unit once the following conditions are satisfied and after receiving the customer approval.

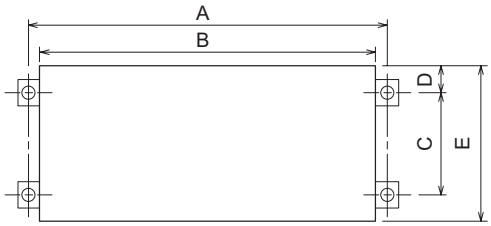
1. The indoor unit must be within a maintenance space.
2. The indoor unit must be free from any obstacles in path of the air inlet and outlet, and must allow spreading of air throughout the room.



If the height from the floor to ceiling exceeds three meters, air flow distribution deteriorates and the effect is decreased.

Fig. 7-1

POSITION OF SUSPENSION BOLT



- Apply a joint-canvas between the unit and duct to absorb unnecessary vibration.
- Install the unit leaning to a drainage hole side as a figure for easy water drainage.

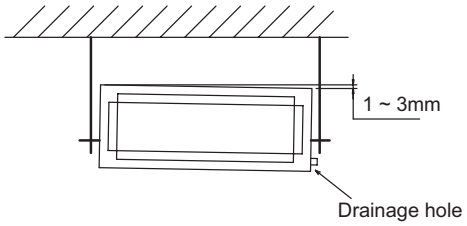


Table 7-1 (unit: mm)

TYPE	A	B	C	D	E
S-36PN1E5	840	780	523	64	650
S-45PN1E5					
S-50PN1E5					
S-60PN1E5	1060	1000	523	64	650
S-71PN1E5					
S-100PN1E5	1260	1200	523	64	650
S-125PN1E5					
S-140PN1E5					

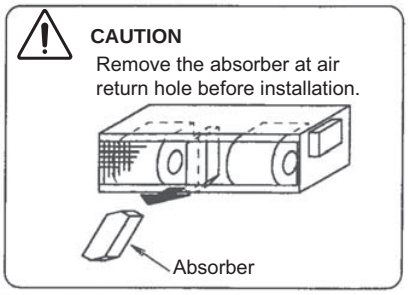
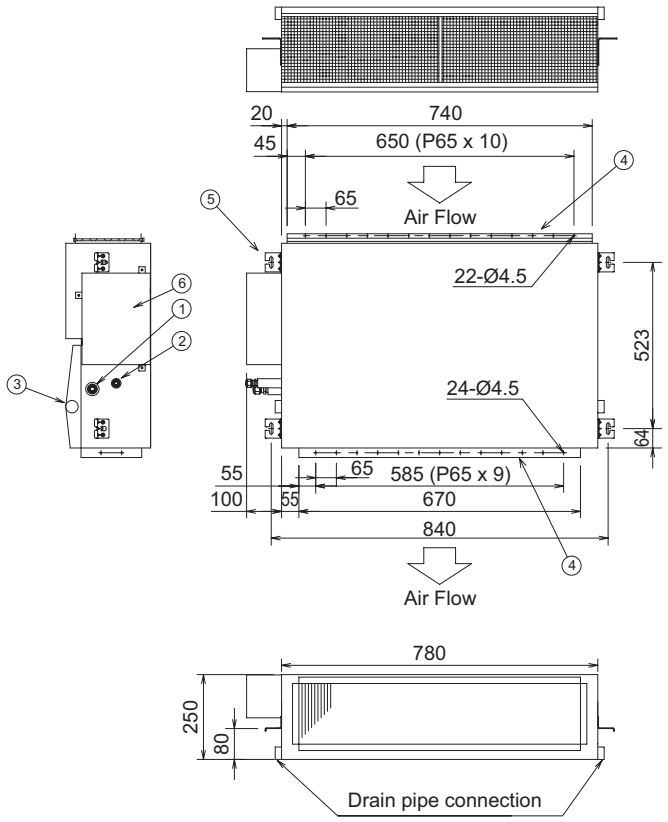


Fig. 7-2

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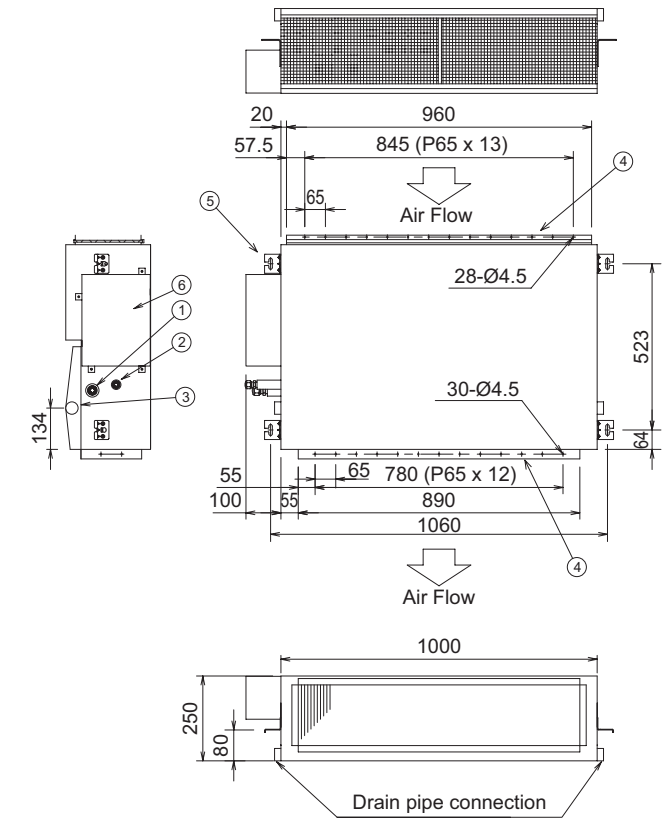
No.	NAME	Q'TY	NOTE
1	Pipe connection (gas)	1	O.D. Ø12.7 Flared
2	Pipe connection (liquid)	1	O.D. Ø6.35 Flared
3	Drain pipe connection	2	Female screw PT1"
4	Duct connection	2	
5	Hanger	4	
6	Control box	1	



UNIT:mm

Outside Dimensions	MODEL NO.	S-36PN1E5 S-45PN1E5 S-50PN1E5

NO.	NAME	Q'TY	NOTE
1	Pipe connection (gas)	1	O.D. Ø15.88 Flared
2	Pipe connection (liquid)	1	O.D. Ø9.52 Flared
3	Drain pipe connection	2	Female screw PT1"
4	Duct connection	2	
5	Hanger	4	
6	Control box	1	

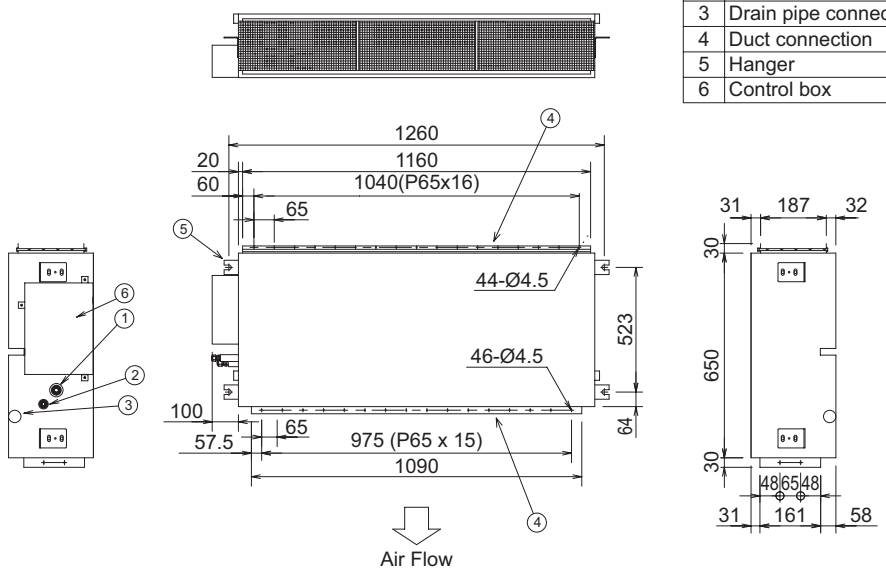


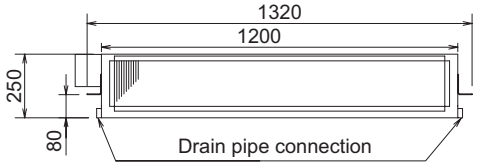
UNIT:mm

Outside Dimensions	MODEL NO.	S-60PN1E5 S-71PN1E5

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NO.	NAME	Q'TY	NOTE
1	Pipe connection (gas)	1	O.D. Ø15.88 Flared
2	Pipe connection (liquid)	1	O.D. Ø9.52 Flared
3	Drain pipe connection	2	Female screw PT1"
4	Duct connection	2	
5	Hanger	4	
6	Control box	1	





UNIT:mm

Outside Dimensions	MODEL NO.	S-100PN1E5 S-125PN1E5 S-140PN1E5

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7-2. Suspending the Indoor Unit

Depending on the ceiling type:

- Insert suspension bolts (Fig. 7-3)

  or

- Use existing ceiling supports or construct a suitable support (Fig. 7-4).

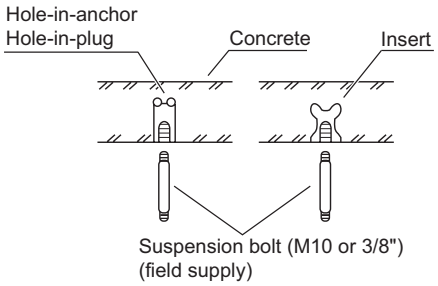


Fig. 7-3

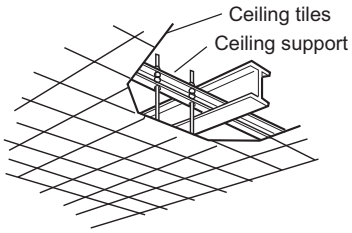


Fig. 7-4

WARNING

It is important that you use extreme care in supporting the indoor unit inside the ceiling.
Ensure that the ceiling is strong enough to support the weight of the unit.
Before hanging the unit, test the strength of each attached suspension bolt.

(1) When placing the unit inside the ceiling, determine the pitch of the suspension bolts referring to the dimensional data as shown in Fig. 7-1 and Table 7-1.
Tubing must be laid and connected inside the ceiling when suspending the unit.
If the ceiling is already constructed, lay the tubing into position for connection to the unit before placing the unit inside the ceiling.

(2) Screw in the suspension bolts allowing them to protrude from the ceiling (Fig. 7-3). (Cut the ceiling material, if necessary.)

(3) Thread the 3 hexagonal nuts and 2 washers (field supply) onto each of the 4 suspension bolts (Figs. 7-5 and 7-6).
Use 1 nut and 1 washer for the upper part, and 2 nuts and 1 washer for the lower part, so that the unit will not fall off the suspension lugs.

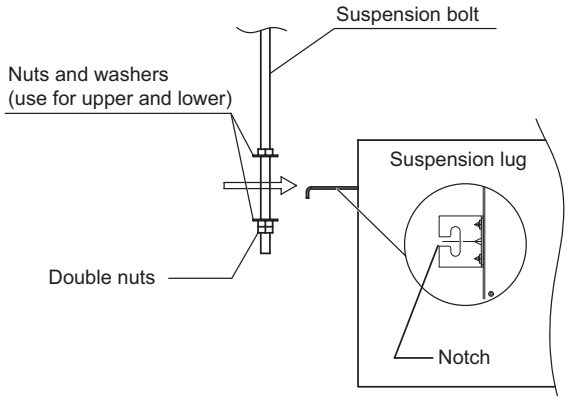


Fig. 7-5

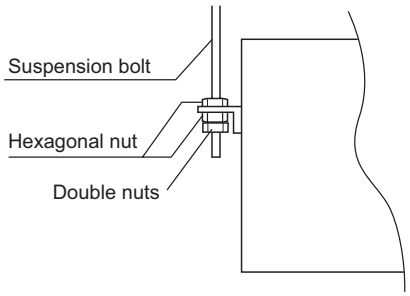


Fig. 7-6

● This shows an example of installation.

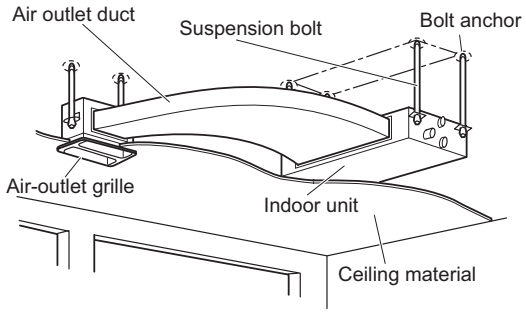


Fig. 7-7

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7-3. Installing the Drain Pipe

(1) Prepare standard hard PVC pipe (O.D. 32 mm) for the drain and use the supplied hose band to prevent water leaks. The PVC pipe must be purchased separately.

CAUTION

- **Do not use adhesive tape at the drain connection port on the indoor unit**
- **Insert the drain pipe until it contacts the socket, and then secure it tightly with the hose band.**
- **Do not use the supplied drain hose bent at a 90° angle. (The maximum permissible bend is 45°.)**
- **Tighten the hose clamps so their locking nuts face upward. (Fig. 7-8)**

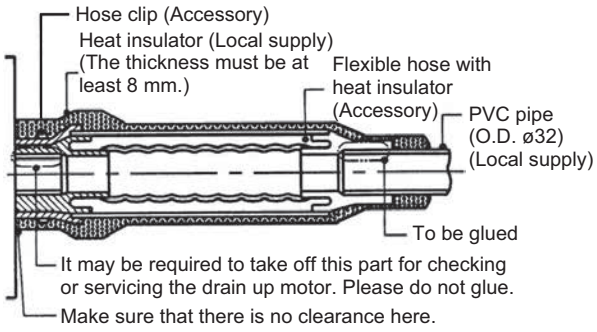


Fig. 7-8

(2) After connecting the drain pipe securely, wrap the supplied packing and drain pipe insulator around the pipe, then secure it with the vinyl clamps . (Fig. 7-9)

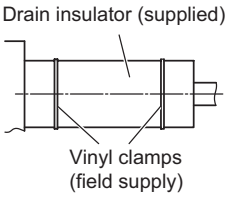


Fig. 7-9

NOTE

Make sure the drain pipe has a downward slant (1/100 or more) and that there are no water traps.

CAUTION

- **Do not install an air bleeder as this may cause water to spray from the drain pipe outlet. (Fig. 7-10)**

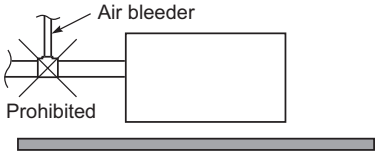


Fig. 7-10

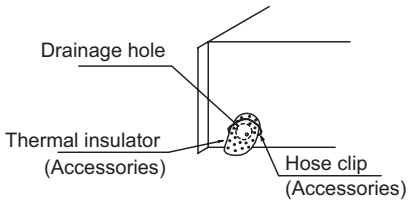


Fig. 7-11

- Do not install the pipe with an upward slant from the connection port. This will cause the drain water to flow backward and leak when the unit is not operating. (Fig. 7-12)

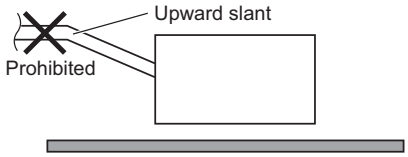


Fig. 7-12

- Do not apply force to the piping on the unit side when connecting the drain pipe. The pipe should not be allowed to hang unsupported from its connection to the unit. Fasten the pipe to a wall, frame, or other support as close to the unit as possible. (Fig. 7-13)

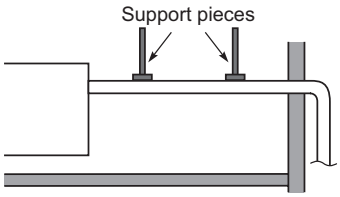


Fig. 7-13

7-4. Connecting Duct to Indoor Unit

(1) Install the duct (local supply) for the Dimension of the installation hole.
Use M5 self-tapping screws for installation.
See the Outside Dimensions.

(2) The duct connection of the air outlet needs thermal insulation.

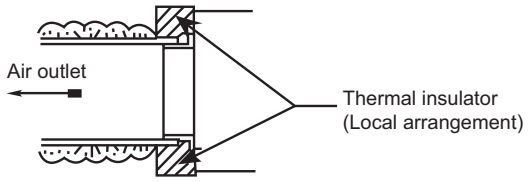


Fig. 7-14

NOTE

- Select an air-intake grille with a filter at a local shop.
- To get clean air and to extend the service life of the air conditioner, an air filter must be installed in the air intake. For installation and cleaning the air filter, consult your dealer or service center.

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7-5. External Static Pressure Setting for Dc Fan Motor Model

Choose one of the following methods from “a”, “b”, “c” or “d” as shown in the flow chart (within the dotted lines) and then make the setting accordingly.

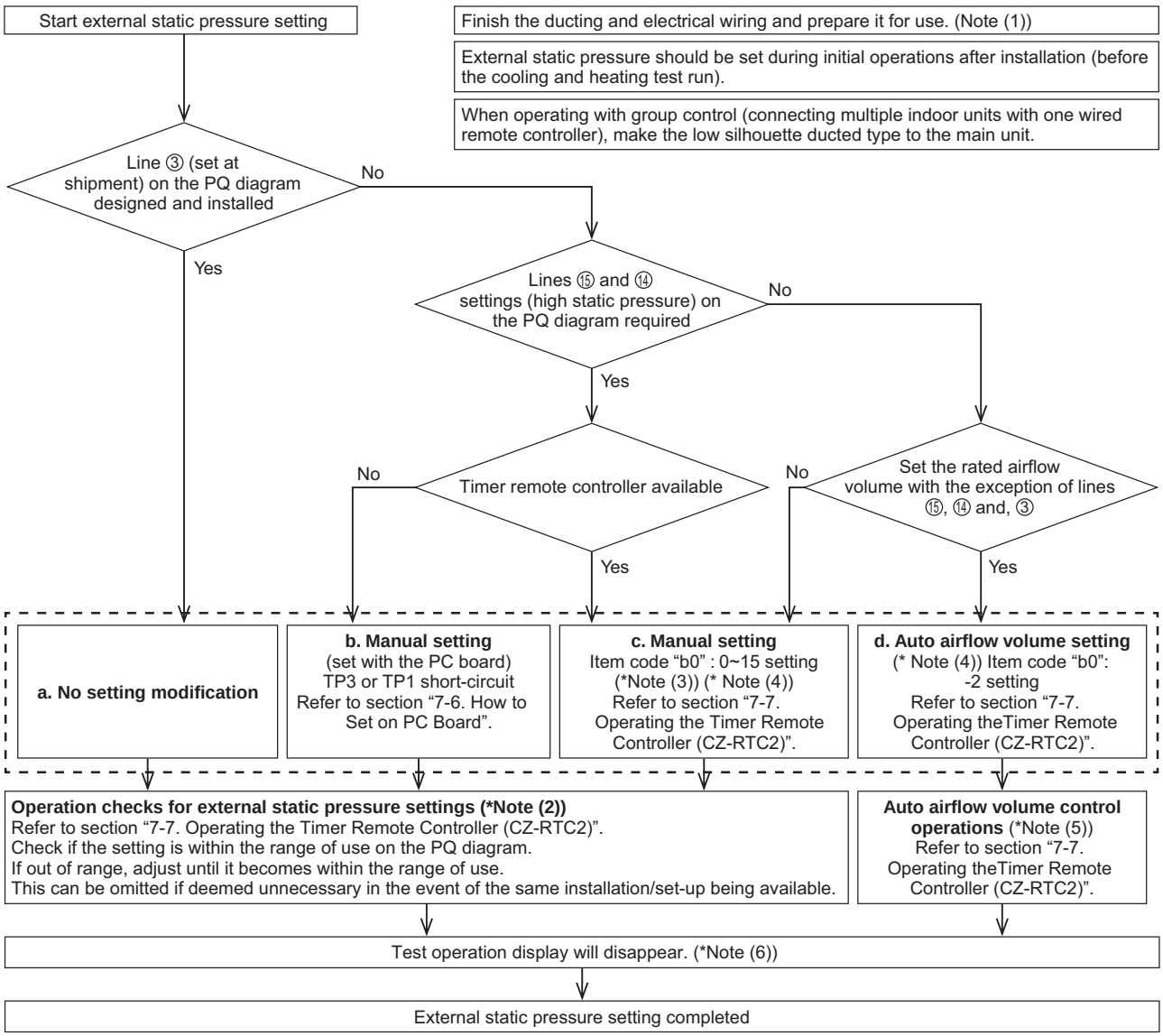
a. No setting modification..... : Use-as-is at shipment (there are cases in which the setting may differ from the shipment setting when reset after once setting the external static pressure.)

b. Manual setting (set with the PC board)..... : For high static pressure. Switching method with the short-circuit connector.

c. Manual setting (set with the wired remote controller) ..... : Low static pressure ~ high static pressure

d. Auto airflow volume setting (set on the wired remote controller).... : Air outlet volume is automatically adjusted to the rated airflow volume with the auto airflow control drive.

Flow of External Static Pressure



NOTE

(1) Check the following items before performing the setting-check operations or auto airflow volume operations.
   1) Check to make sure that the electrical wiring and ducting have been completed. Activate the stand-by mode. In particular, make sure that the closed damper located in the middle of the duct is open, if installed. Also, make sure that air filters have been installed inside the air inlet duct. Check to make sure air is not leaking from the joints.
   2) If multiple air outlets and air inlets are included, adjust the airflow volume ratio of all of them until they meet the design airflow ratio.
   3) Make sure the address setting has been completed.

(2) The operation check will be completed in approximately three minutes if the settings have been made correctly. The settings will be modified if they are out of the range of use (max. 30 minutes). If this is not completed within 31 minutes, check whether the air speed is set to “H” or not.

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(3) Refer to Table 7-3 and Fig. 7-18 for details on the relationship between the value of item code “b0” and the external static pressure.

(4) When set in group control (connecting multiple indoor units with one wired remote controller), set each indoor unit to item code “b0”.
When amending the setting after selecting [b. Manual setting] (due to airflow path changes, etc.),
it is necessary to cancel [b. Manual setting] (disconnect short-circuit connector).
When [b. Manual setting] has not been cancelled, [c. Manual setting] and [d. Auto airflow volume setting] will be activated if selected, but [b Manual setting] takes precedence when the power is switched back on after power outages, etc.

(5) If this is not completed within 8 minutes, check the drive mode, air speed and air inlet temperature.

(6) When set in group control (connecting multiple indoor units with one wired remote controller), the test run operations display will disappear once the external static pressure setting check or auto airflow volume control operation check have been completed for the main unit.
Decisions on sub-unit complete are not possible.
The test run operation display will disappear after one hour even if the external status pressure setting check or auto airflow volume control operation check have not been completed.

CAUTION

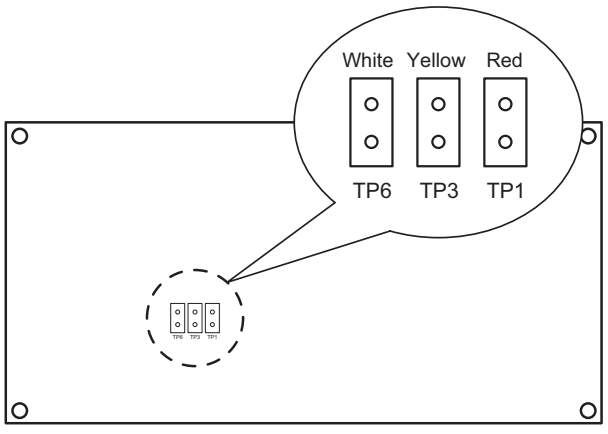
- **Be sure to check that the external static pressure is within the range for use and then make the setting.
Failure to observe this may result in insufficient airflow or water leakages.
Refer to Fig. 7-18 for the external static pressure setting range.**
- **There are cases in which automatic variable dampers and other mounted items may trigger the P12 alarm on systems that modify the static pressure of outdoor units when the auto airflow volume control operations or setting check operations are carried out if high static pressure in the outdoor unit is lowered.
In this event, lower the dampers, etc., so that the static pressure in the outdoor unit reaches its lowest level, and then carry out the auto airflow volume control operations or setting check operations.**
- **Be sure to set the [External Static Pressure Setting] once again after amending the airflow path for the duct or air outlet after setting the external static pressure.**
- **Set the air inlet temperature within the range for use.
The auto airflow volume control will not function if the air inlet temperature is over 45°C or not in the fan mode.**

7-6. How to Set on PC Board

1. Turn off the power breaker to halt the supply of electricity to the PC board.
2. Open the lid of electrical equipment box and check where the short-circuit pin on the indoor unit control PC board is located (Fig. 7-17)
3. Short circuit the applicable short-circuit pin in accordance with the selected short-circuit pin connected (Table 7-2).

Table 7-2 Selection of connected short-circuit pins

External static pressure at the time of rated airflow volume	Short-circuit pin
Unusable	TP6 (2P: white)
line ⑮	TP3 (2P: yellow)
line ⑭	TP1 (2P: red)



Indoor Unit control PC board

Fig. 7-17

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7-7. Operating the Timer Remote Controller (CZ-RTC2)

Setting Item Code "bO"

1. Press and hold down the [wrench], [CANCEL] and [SET] buttons simultaneously for 4 or more seconds.
   (SETTING, the Unit No., Item Code and Detailed Data will blink on the remote controller's LCD display.)
2. The indoor unit numbers in the group control will be sequentially displayed whenever the Unit Select button is pressed [UNIT].
   Only the fan motor for the selected indoor unit will operate during this.
3. Specify the "bO" item code by pressing the [▲]/[▼] buttons for the temperature setting buttons and confirm the values.
   ("-001" set at shipment)
4. Press the [▲]/[▼] buttons for the time to amend the values for the set data.
   Refer to table 7-3 and Fig. 7-18 and select a value between "0001" and "0015".
   Select "-002" if the auto airflow volume setting is activated.
5. Press the [SET] button.
   The display will stop blinking and remain illuminated.
6. Press the [wrench] button.
   The fan motor will stop operating and the LCD display will return to the normal stop mode.

Auto Airflow Volume Control Operations and External Static Pressure Setting-Check Operation

1. Press and hold down the [wrench] button for 4 or more seconds. "TEST" will be displayed on the remote controller's LCD display.
2. Press the [⏻] button to commence the test run.
   [Test Run] will be displayed on the remote controller's LCD display.
3. Select the fan mode and set it to "H" by pressing the [fan] button.

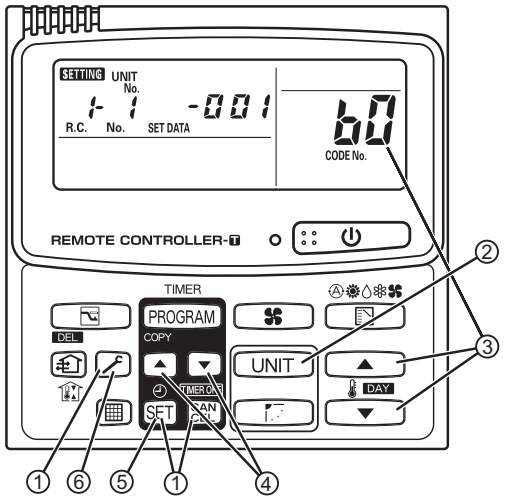
CAUTION

Auto airflow volume control operations and external static pressure setting-check operations will not be performed unless [H] has been selected for the fan mode.

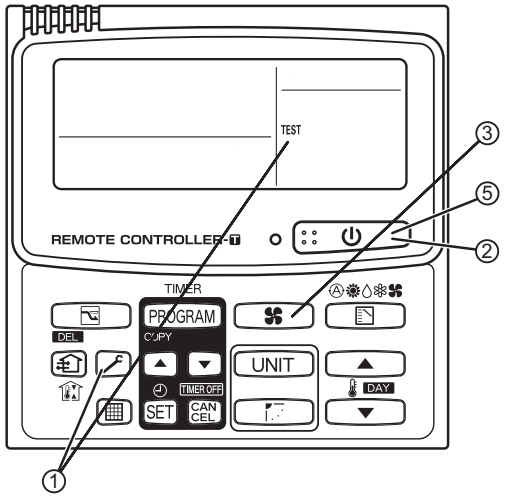
4. The fan motor will be activated and auto airflow volume control operations or external static pressure setting-check operations will commence.
   The power of the airflow will change while these operations are in progress.
   The external static pressure setting-check operations and auto airflow volume control operations will be completed in about 3 to 30 minutes.
   The "TEST" display will be extinguished from the remote controller's LCD display.
5. Press the [⏻] button to halt the test run.

Table 7-3 Setting the external static pressure

Indoor unit		Item code
60, 71	100, 125, 140	
External static pressure of the rated air flow volume (Pa)		bO
according to Indoor Unit P-Q diagram		0015
		0014
		0013
		0012
		0011
		0008
		0006
		0005
		0003
		0001
No auto airflow volume setting		-001
Auto airflow volume setting		-002



* Failure to set this parameter may result in decreased airflow and condensation.

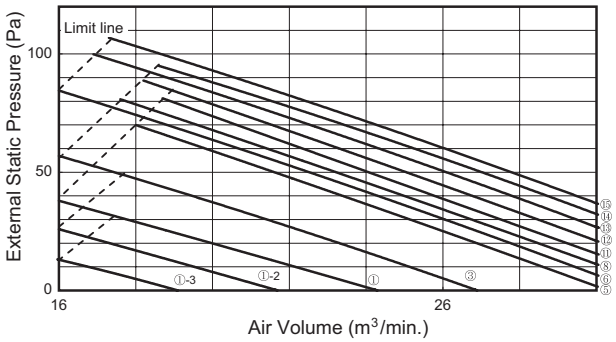


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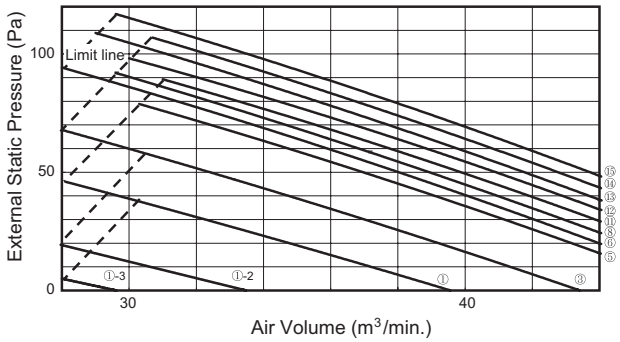
Indoor Fan Performance

		Item code "60"																			
		00 15		00 14		00 13		00 12		00 11		00 08		00 06		00 05		00 03		00 01	
		Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Tap	⑮	H	H									Setting at shipment									
	⑭			H	H																
	⑬	M	M			H	H														
	⑫							H	H												
	⑪				M					H	H										
	⑧			M			M	M	M			H	H								
	⑥	L	L			M				M	M			H	H						
	⑤											M	M			H	H				
	③				L		L	L	L	L	L			M	M	M	M	H	H		
	①			L		L						L	L	L	L			M	M	H	H
	①-2															L	L	L	L	M	M
	①-3																			L	L

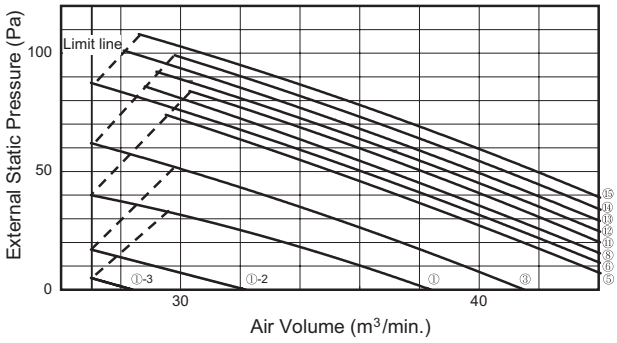
S-60PN1E5 • S-71PN1E5 P-Q diagram



S-125PN1E5 P-Q diagram



S-100PN1E5 P-Q diagram



S-140PN1E5 P-Q diagram

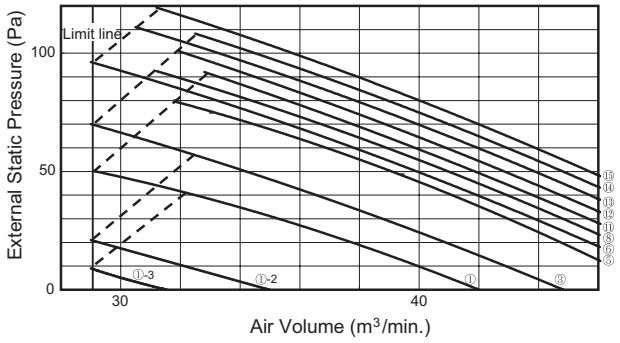


Fig. 7-18

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7-8. External Static Pressure Setting for AC Fan Motor Model

To apply to following models

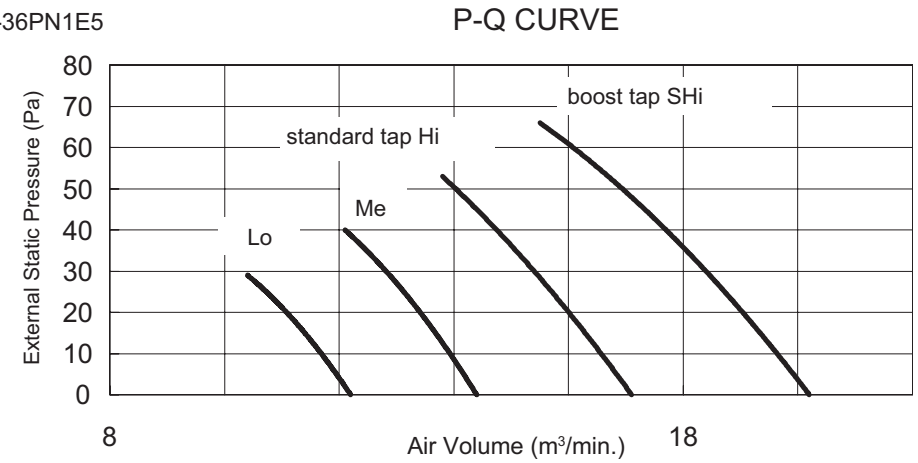
■ S-36PN1E5 , S-45PN1E5 , S-50PN1E5

There are two tap connector located in indoor unit control box can be selected.

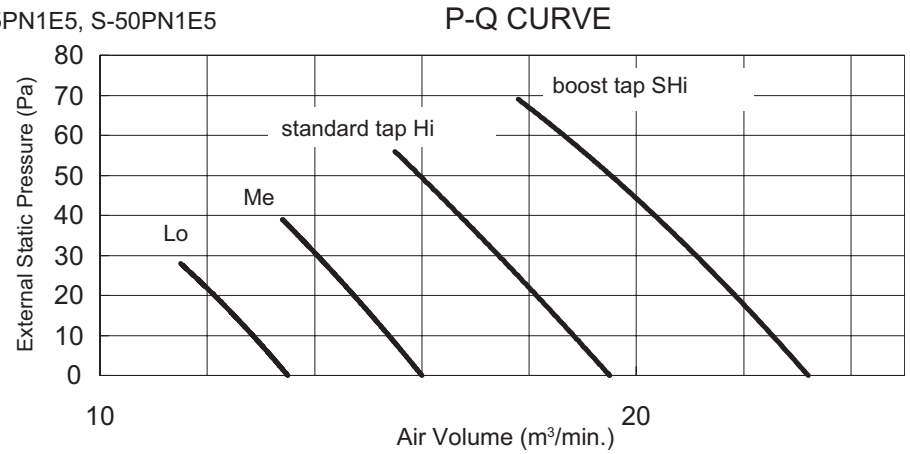
The “blue connector” is standard tap, use-as-is at shipment.

For high static pressure duct, switch Fan Motor connector to plug in boost tap “white connector” to elevate air volume.

S-36PN1E5

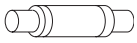
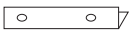


S-45PN1E5, S-50PN1E5



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(Ducted)

Part Name	Figure	Q'ty	Remarks
Washer		8	For suspending indoor unit from ceiling
Flare insulator		2	For gas and liquid tubes
Hose band		5	For securing drain hose
Foam drain socket		1	For drain hole (another side of drain hose)
Drain hose		1	
Flange		2	For inlet duct installation
Screw		4	

- Use M10 for suspension bolts.
- Suspension bolts and nuts are field supply.

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1-12. How to select AHU system

AHU system selection guideline

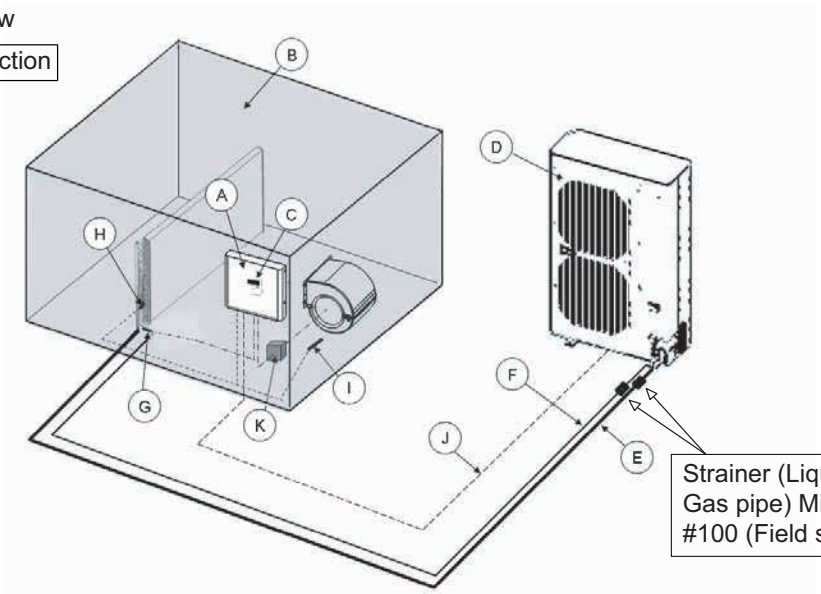
● System lineup

Capacity	Outdoor combination		Connectable AHU-kit combination	
10 kW	U-100PE1E8	U-100PE1E5	CZ-280PAH1	CZ-280PAH1
12.5 kW	U-125PE1E8	U-125PE1E5	CZ-280PAH1	CZ-280PAH1
14 kW	U-140PE1E8	U-140PE1E5	CZ-280PAH1	CZ-280PAH1

* Single connection type only
* Mix connection with standard indoor units is not allowed.
* The system is applicable to the above models.

● System Overview

Single connection



A: AHU kit controller box (with control PCB)
B: AHU equipment (Field supplied)
C: AHU kit controller (Option parts)
D: Outdoor unit
E: Gas piping (Field supplied)
F: Liquid piping (Field supplied)
G: Thermistor for Liquid pipe (E1)
H: Thermistor for Heat exchanger pipe middle (E2)
I: Thermistor for Suction air (TA)
J: Inter-unit wiring
K: Magnetic relay for operating the blower (Field supplied)

● Piping design regulation

▪ Connecting pipe dimension to heat exchanger of AHU

Capacity	Model name	Liquid pipe	Gas pipe
10-14kW	CZ-280PAH1	ø9.52mm	ø15.88mm

▪ System piping length (Charging with refrigerant)

At the time of shipment from the factory, the outdoor unit is charged with enough refrigerant for an equivalent pipe length of 30m.
If the equivalent piping length used is 30m or less, no additional charge will be necessary.
If the equivalent piping length is between 30 and 50m, charge with additional refrigerant according to the equivalent length given in the following table.

Capacity	Additional charge amount	Equivalent length	Minimum length
10-14kW	50g/m	50m	5m

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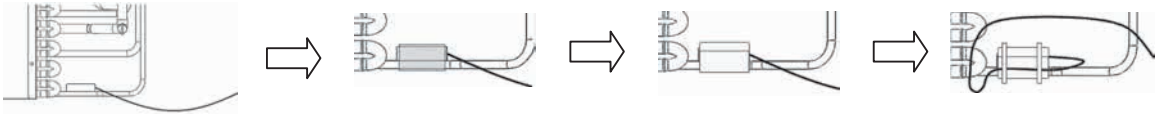
● Installation

▪ Installation of Strainer (Field supplied)

Attach the strainer to the side of the outdoor unit for Gas & Liquid piping.
(See the “System Overview” on previous page.)

▪ Thermistor for Liquid pipe and Heat exchanger pipe middle

Liquid pipe thermistor



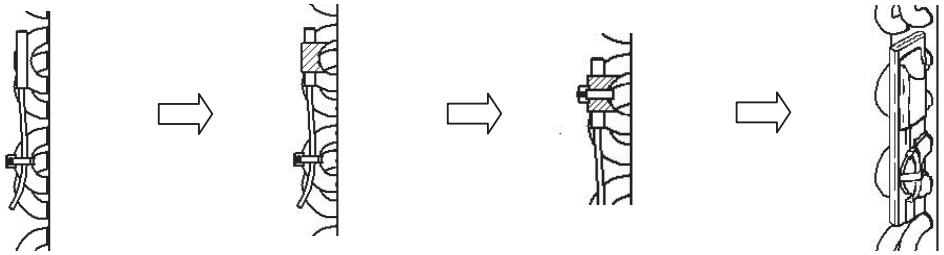
Attach the liquid pipe thermistor to the liquid pipe located in the lowest position after distributer in heat exchanger.

Cover the thermistor and pipe with aluminum tape.

Cover the aluminum tape with thermal insulation.

Thermal insulation and wiring are fixed in two bands.

Heat exchanger pipe thermistor



Attach the heat exchanger pipe thermistor in the middle of each pass-line (pipe) in the heat exchanger.

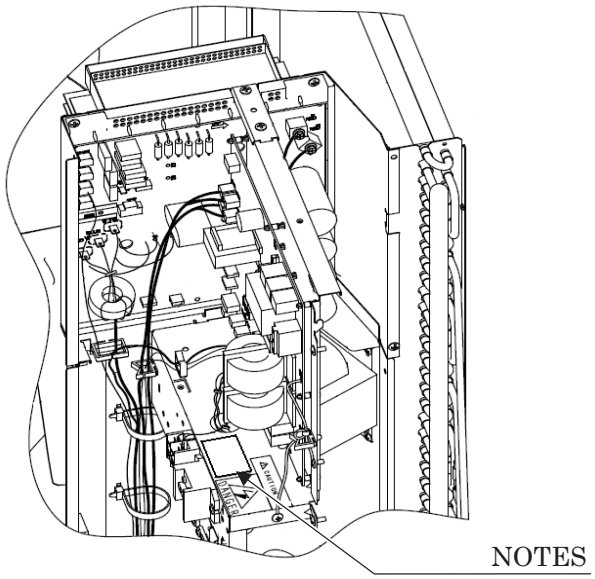
Cover the thermistor and pipe with aluminum tape.

The thermistor is fixed in band.
Then, it must not make tension to the wire.

Cover the aluminum tape with thermal insulation.
And also cover sensor (copper portion) with thermal insulation completely.

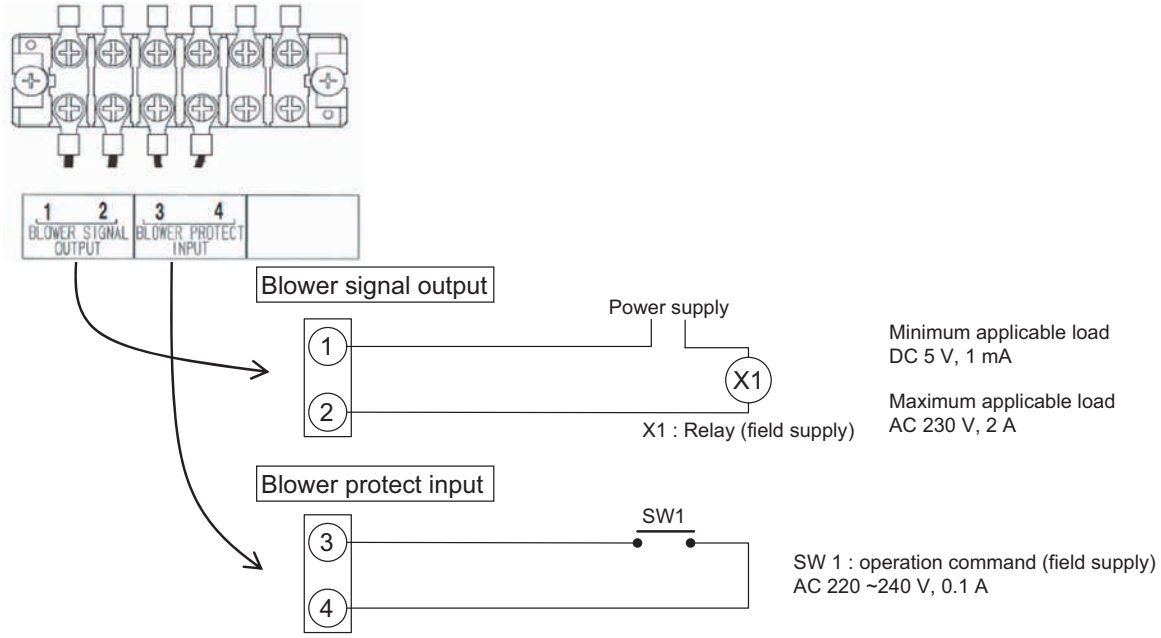
▪ Attachment of NOTES Label (Supplied parts)

Please be sure to apply the NOTES label at the designated area of the outdoor unit when cutting a jumper wire on the circuit board.



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- Blower operation signal and protection signal



● Limitation of AHU

When the AHU is selected, there are some limitations.

- The limitation of temperature range is shown below.

		Cooling	Heating
Outdoor temperature	Min.	-10 ℃ (DB)	-20 ℃ (WB)
	Max.	43 ℃ (DB)	15 ℃ (WB)
Inlet air temperature (to the heat exchanger)	Min.	18 ℃ (DB)	16 ℃ (DB)
	Max.	32 ℃(DB) / 23℃(WB)	30 ℃ (DB)

- The limitation of Heat exchanger volume, Air volume and Front area is shown in the following Table 1,2 & 3.

Table 1 : Inside volume of heat exchanger

Cooling Capacity		10 kW	12.5 kW	14 kW
Heat exchanger volume	Max.	2.1 dm^3	2.1 dm^3	2.1 dm^3
	Min.	1.7 dm^3	1.7 dm^3	1.7 dm^3

Table 2 : Air volume of heat exchanger

Cooling Capacity		10 kW	12.5 kW	14 kW
Air volume	Max.	1980 m^3/h	2100 m^3/h	2160 m^3/h
	Min.	840 m^3/h	1140 m^3/h	1140 m^3/h

Table 3 : Front area of heat exchanger

Cooling Capacity		10 kW	12.5 kW	14 kW
Front area	Max.	0.51 m^2	0.51 m^2	0.51 m^2
	Min.	0.43 m^2	0.43 m^2	0.43 m^2

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PRECAUTIONS REGARDING TEST RUN

Check Before Test Run

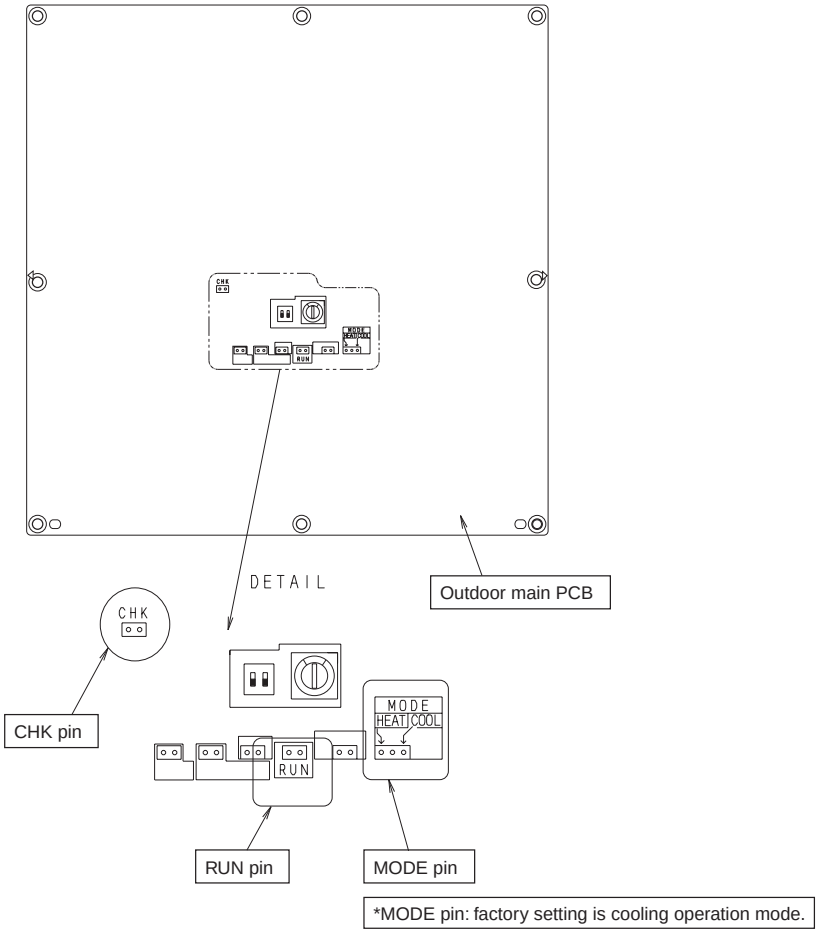
	Content check
Power supply cable Indoor/outdoor connection wire Earth wire	● Is the wire set up and connected as described in the instructions? Check for any phase sequence. ● Are the wire connection's screws loose? ● Is the open and close device / leakage breaker installed? ● Is the power supply cable's thickness and length appropriately measured as described in the instructions? ● Is it earthed (grounded)? ● Check that the insulation resistant value is more than 1 MΩ. Use the 500 V mega-testers to measure the insulation. Do not use the mega-tester for any other circuit except for voltage of 220V to 240V or 380-415V. ● Are the wire connections for the indoor/outdoor units connected as described in the instructions? Are there any looped wires? ● Was the "N-phase" surely connected when connecting the power supply wire on the three-phase model? If N-phase is not connected, only the fan may repeat turning ON/OFF without the compressor operating. In that case, check if there is any problem with N-phase connection.
Refrigerant pipe	● Is the piping installed as described in the instructions? ● Are the pipes sizes appropriate? ● Does the pipe's length adhere to the specifi cations? ● Is the branch pipe slant being appropriately done as described in the instructions? ● Was vacuum removal suffi ciently carried out? ● Was the leak tightness test carried out with nitrogen gas? Use the testing pressure of 3.8 MPa. ● Is the piping insulation material appropriately installed? (Insulation material is necessary for both gas and liquid piping.) ● Is the 3-way valve for the liquid side and gas side open?

- Always be sure to use a properly insulated tool to operate the short-circuit pin on the circuit board. (Do not use your finger.)
- Never switch the power supply ON until the installation has completed.
- Supply electrical current through all indoor units and check the voltage.
- Supply electrical current through all the outdoor units and check each inter-phase voltage.
- Before the test run, ensure to check that the 3-way valve is open. Operating while the valve is closed causes the compressor to fail.

Test Run Procedure

- If there are duplicated system addresses, or if the settings for the Nos. of the indoor units are not consistent, an alarm will occur and the system will not start.
- Switch the power supply ON both indoor and outdoor units.
- Short-circuit CHK pin on the outdoor main PCB.
  Do not remove CHK pin until test run is completed.
  Removing CHK pin stops test run.
- Short-circuit RUN pin on the outdoor main PCB for one second or longer.
  Factory setting is cooling operation mode and cooling operation test run starts.
  If heating operation starts, short-circuit both right side and centre of the MODE pin (centre and COOL) continuously.
- Ensure to conduct a test run. In addition, be sure to run the cooling operation test run for at least 20 minutes before starting the heating operation test run.
- To conduct heating operation test run, short-circuit left side and centre of the MODE pin (centre and HEAT) continuously.
- Removing CHK pin's and MODE pin's short-circuit stops test run.
- For the test run using remote control unit, please see installation manual included with the remote control unit.

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CHECKS AFTER INSTALLATION HAVE COMPLETED

- Check the following items after completing installation.
  - ☐ Is there a short circuit with the intake air flow?
  - ☐ Is the insulation secure? (Refrigerant piping)
  - ☐ Are there any errors with the wiring?
  - ☐ Are the terminal screws loose? Tightening torque (Unit: N•m {kgf•m})
    M4… 1.57 - 1.96 {0.16 - 0.2}, M5... 1.96 - 2.45 {0.2 - 0.25}.
  - ☐ Is the drain water flowing smoothly?
  - ☐ Is the insulation material properly installed?
  - ☐ Is the earth wire securely connected?
  - ☐ Is the front panel and the indoor unit air conditioner firmly fixed and was the installation completed without any leakage from the refrigerant?
  - ☐ Are the indoor and outdoor units secured firmly installed with bolts at secured locations?

REGARDING DELIVERY TO THE CUSTOMER

- Request the customer to review the instruction manual and explain the operating method for the product.
- In addition, it is also recommended that regular inspection checks are agreed upon for maintenance.

User inspection places	• Filter and grill cleaning • Exterior cleaning
Serviceman inspection places	• Check the operating status • Clean the drain pan or things related to the water discharge • Heat exchanger cleaning

Refer to the installation instruction manual provided with the indoor unit for the specifications on the indoor unit installation.

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3. ELECTRICAL DATA

3-1. Indoor Units (Electric Wiring Diagram Schematic Diagram)..... 3-2

4-Way Cassette Type 3-2
4-Way Cassette 60 × 60 type..... 3-3
Ceiling Type 3-4
Wall Mounted Type..... 3-7
Low Silhouette Ducted Type 3-8
Ducted Type 3-9

3-2. Outdoor Units (Electric Wiring Diagram) 3-11

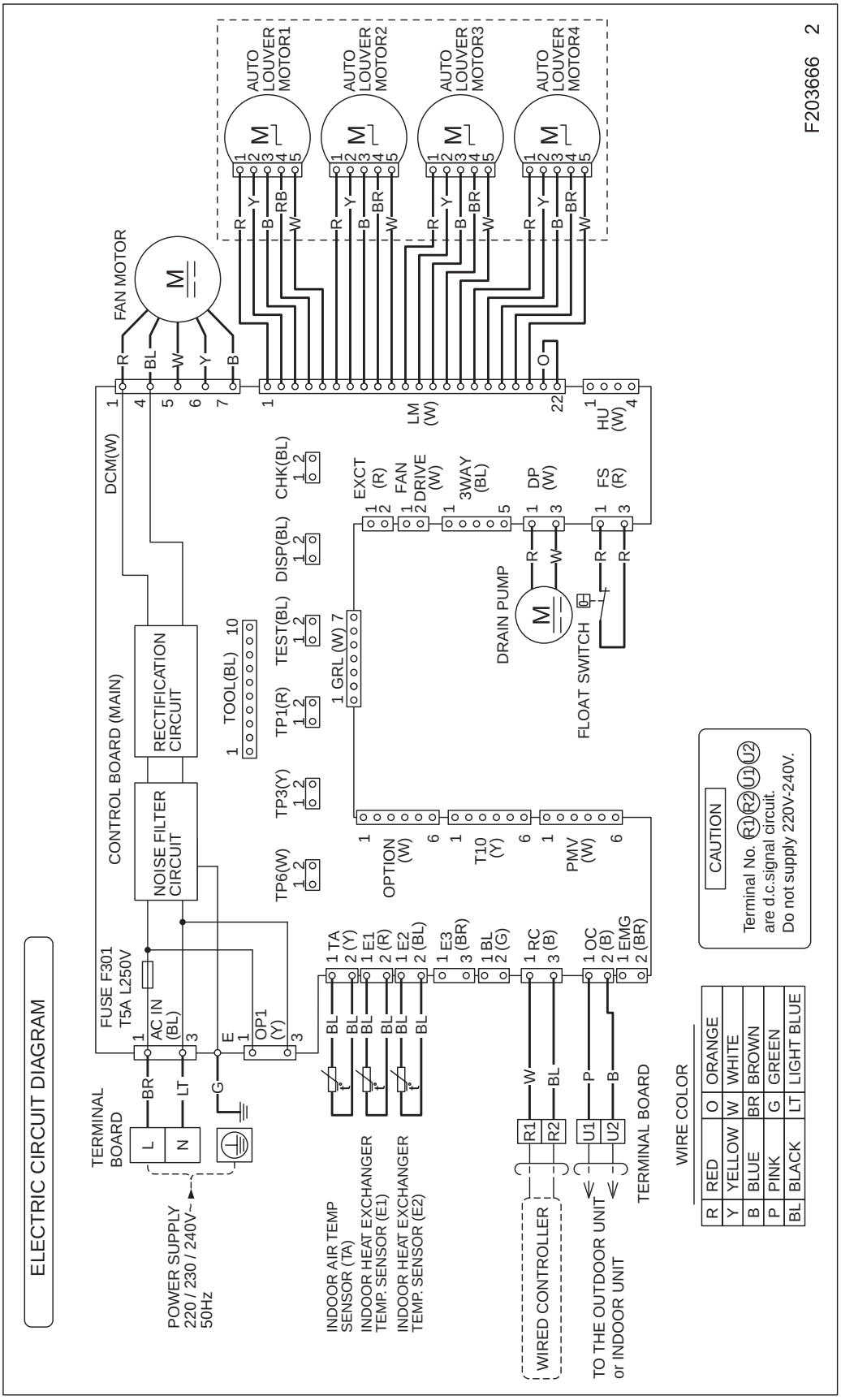
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3-1. Indoor Units

■ **4-Way Cassette Type S-36PU1E5 / S-45PU1E5 / S-50PU1E5 / S-60PU1E5 / S-71PU1E5 / S-100PU1E5 / S-125PU1E5 / S-140PU1E5**

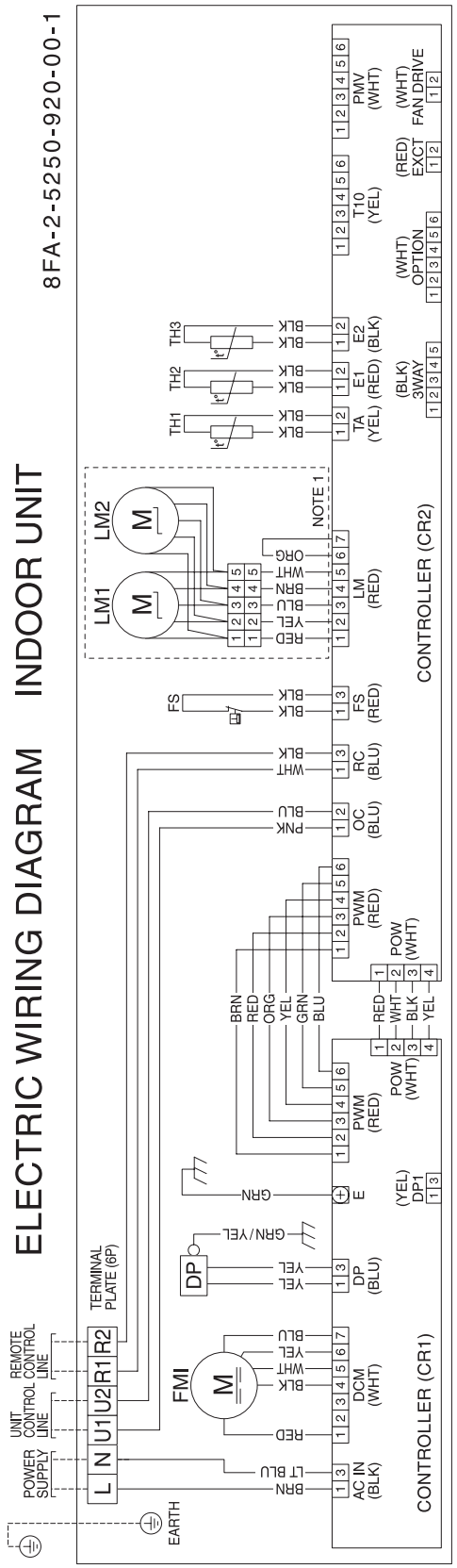
Electric Wiring Diagram



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3-1. Indoor Units

■ **4-Way Cassette 60 × 60 Type S-36PY1E5 / S-45PY1E5 / S-50PY1E5**
Electric Wiring Diagram



SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
FMI	INDOOR FAN MOTOR	FS	FLOAT SWITCH
TH1	ROOM THERMISTOR	LM1,2	AUTO LOUVER MOTOR
TH2	THERMISTOR (INDOOR COIL E1)	CR1,2	INDOOR CONTROLLER
TH3	THERMISTOR (INDOOR COIL E2)	□	CONNECTOR, TERMINAL PLATE
DP	DRAIN PUMP	⊠	TERMINAL

NOTE 1 : PANEL (OPTION)

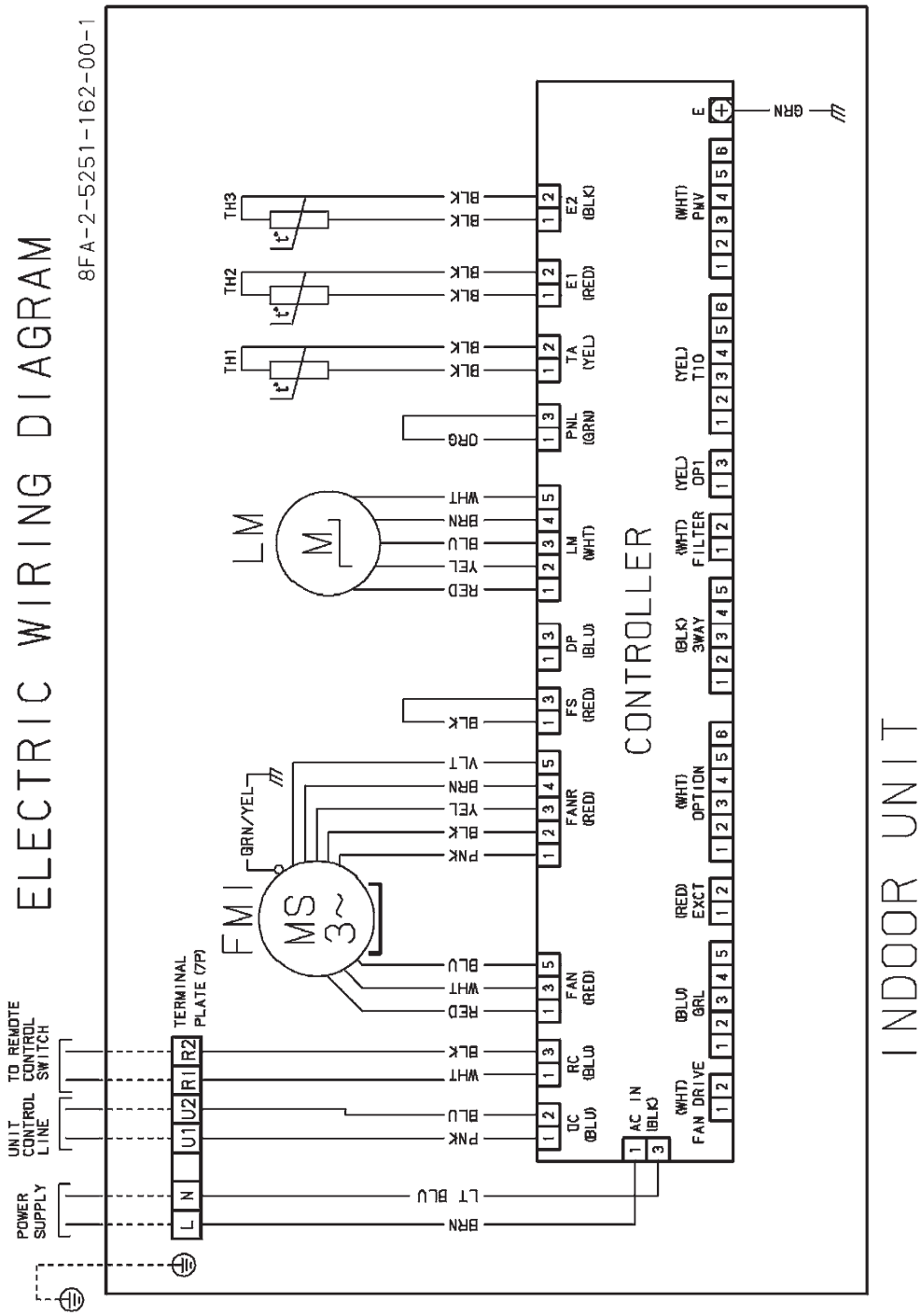
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3-1. Indoor Units

■ **Ceiling Type S-36PT1E5 / S-45PT1E5 / S-50PT1E5 / S-60PT1E5 / S-71PT1E5**
S-100PT1E5 / S-125PT1E5 / S-140PT1E5

Electric Wiring Diagram

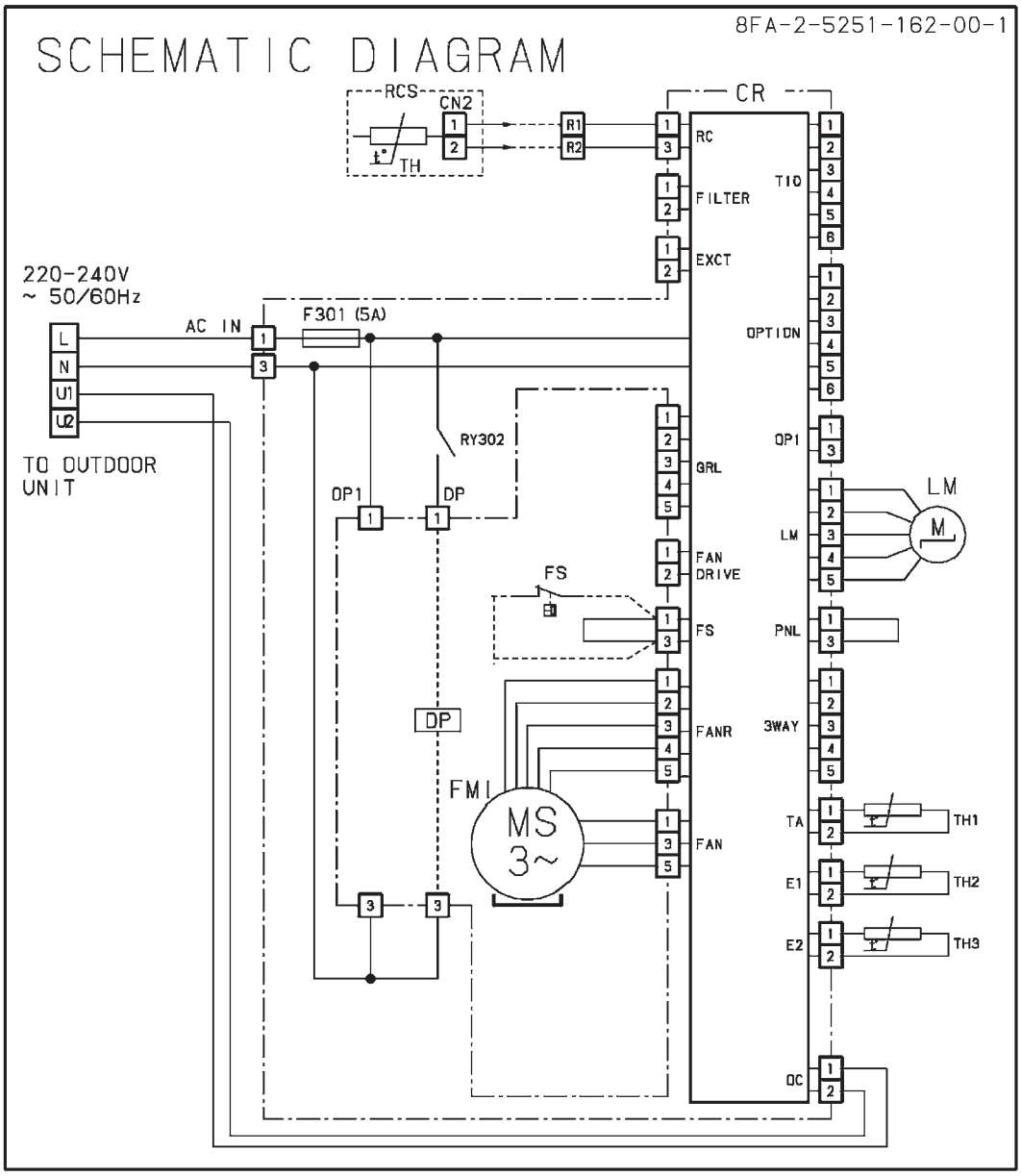


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3-1. Indoor Units

■ **Ceiling Type S-36PT1E5 / S-45PT1E5 / S-50PT1E5 / S-60PT1E5 / S-71PT1E5**
S-100PT1E5 / S-125PT1E5 / S-140PT1E5

Schematic Diagram



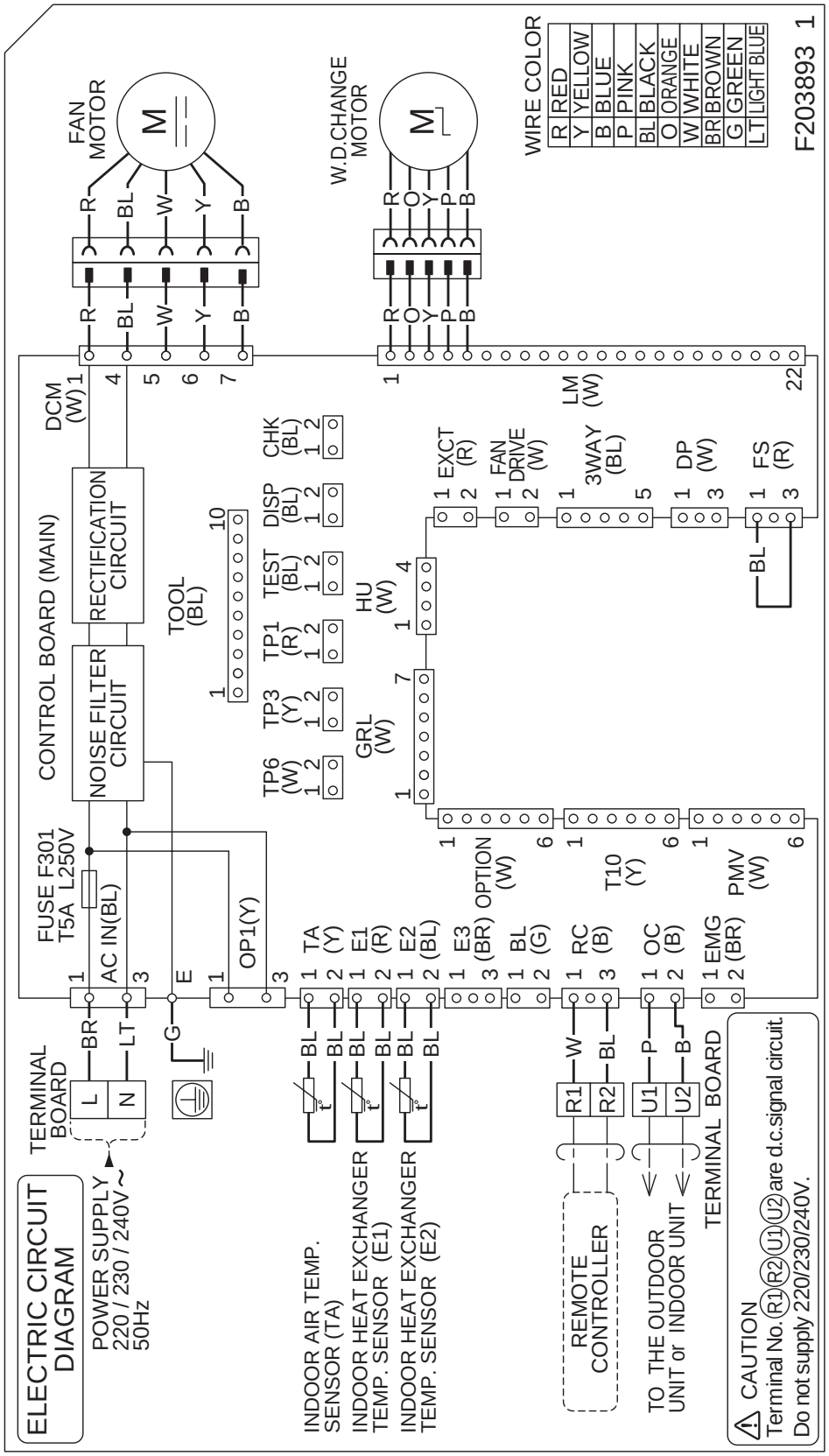
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
FMI	INDOOR FAN MOTOR	RY302	AUXILIARY RELAY
TH1	ROOM THERMISTOR	(DP)	DRAIN PUMP (OPTION)
TH2	THERMISTOR (INDOOR COIL E1)	(FS)	FLOAT SWITCH (OPTION)
TH3	THERMISTOR (INDOOR COIL E2)	(RCS)	REMOTE CONTROL SWITCH (OPTION) TH: ROOM THERMISTOR
F301	FUSE		
CR	INDOOR CONTROLLER	□	CONNECTOR, TERMINAL PLATE
LM	AUTO LOUVER MOTOR	⊕	TERMINAL

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3-1. Indoor Units

■ **Ceiling Type S-36PT2E5 / S-45PT2E5 / S-50PT2E5 / S-60PT2E5 / S-71PT2E5**
S-100PT2E5 / S-125PT2E5 / S-140PT2E5

Electric Wiring Diagram

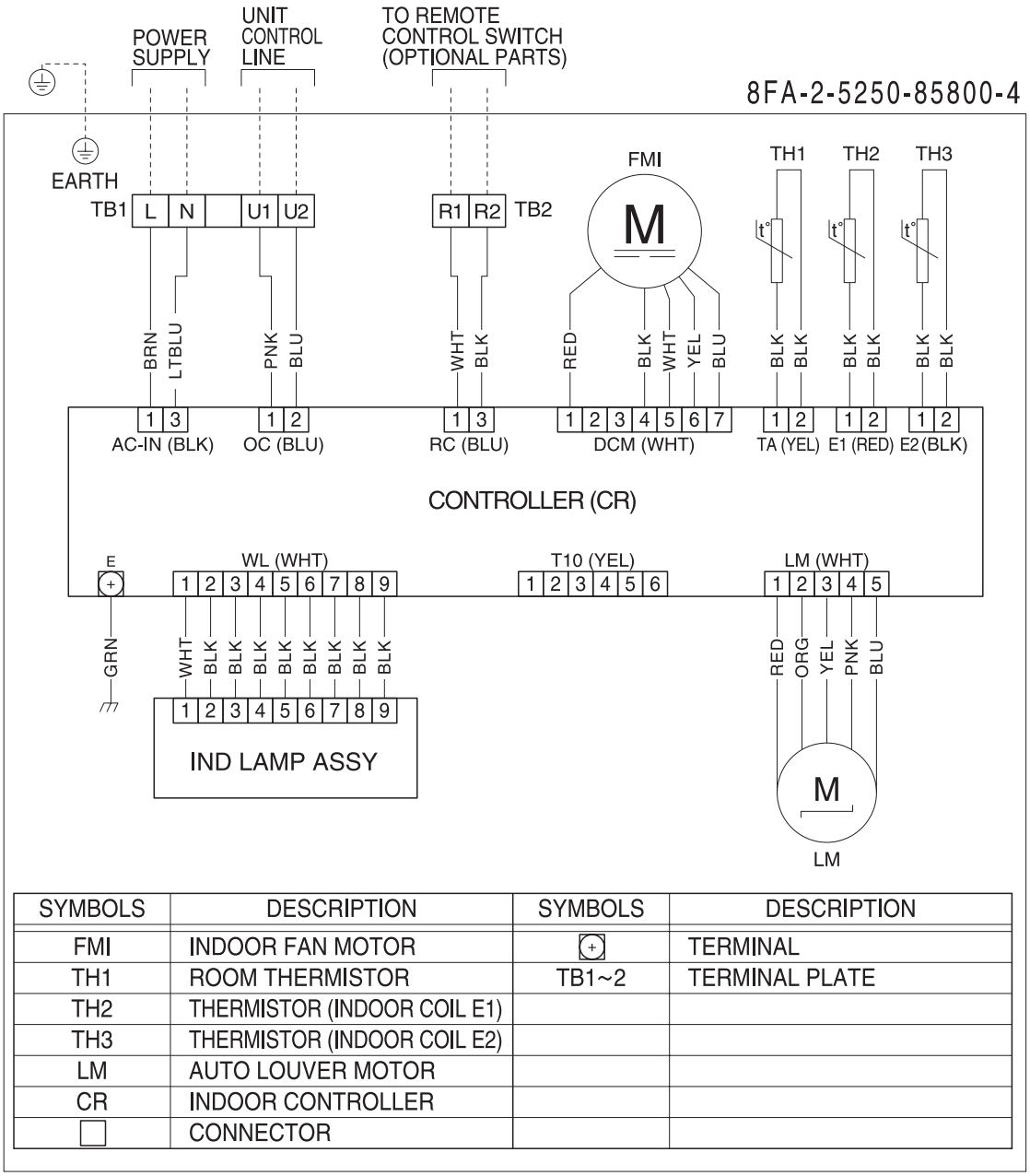


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3-1. Indoor Units

■ **Wall Mounted Type S-36PK1E5 / S-45PK1E5 / S-50PK1E5 / S-60PK1E5 / S-71PK1E5**

Electric Wiring Diagram



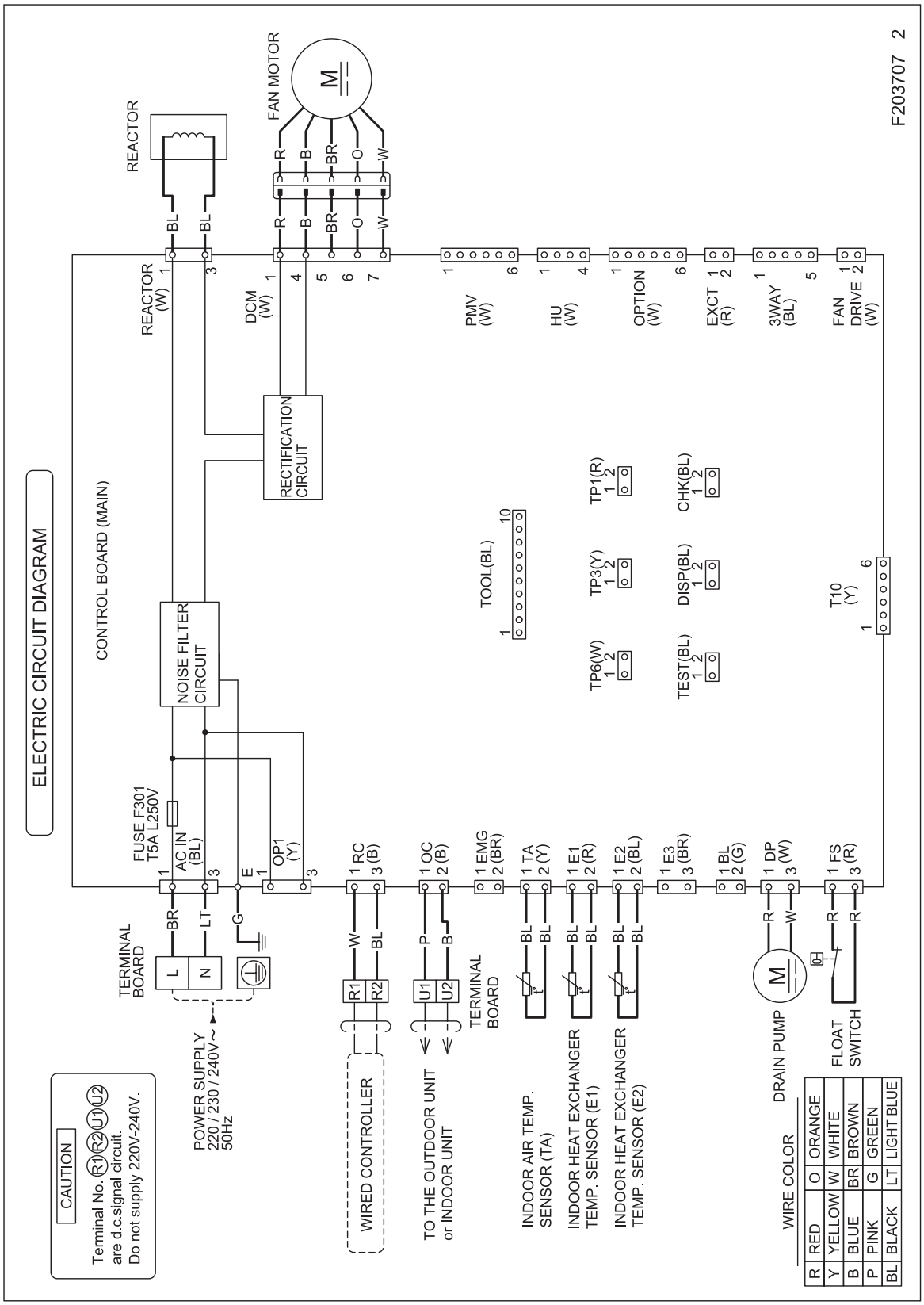
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
FMI	INDOOR FAN MOTOR	⊕	TERMINAL
TH1	ROOM THERMISTOR	TB1~2	TERMINAL PLATE
TH2	THERMISTOR (INDOOR COIL E1)		
TH3	THERMISTOR (INDOOR COIL E2)		
LM	AUTO LOUVER MOTOR		
CR	INDOOR CONTROLLER		
□	CONNECTOR		

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3-1. Indoor Units

■ **Low Silhouette Ducted Type** **S-36PF1E5 / S-45PF1E5 / S-50PF1E5 / S-60PF1E5 / S-71PF1E5**
S-100PF1E5 / S-125PF1E5 / S-140PF1E5

Electric Wiring Diagram

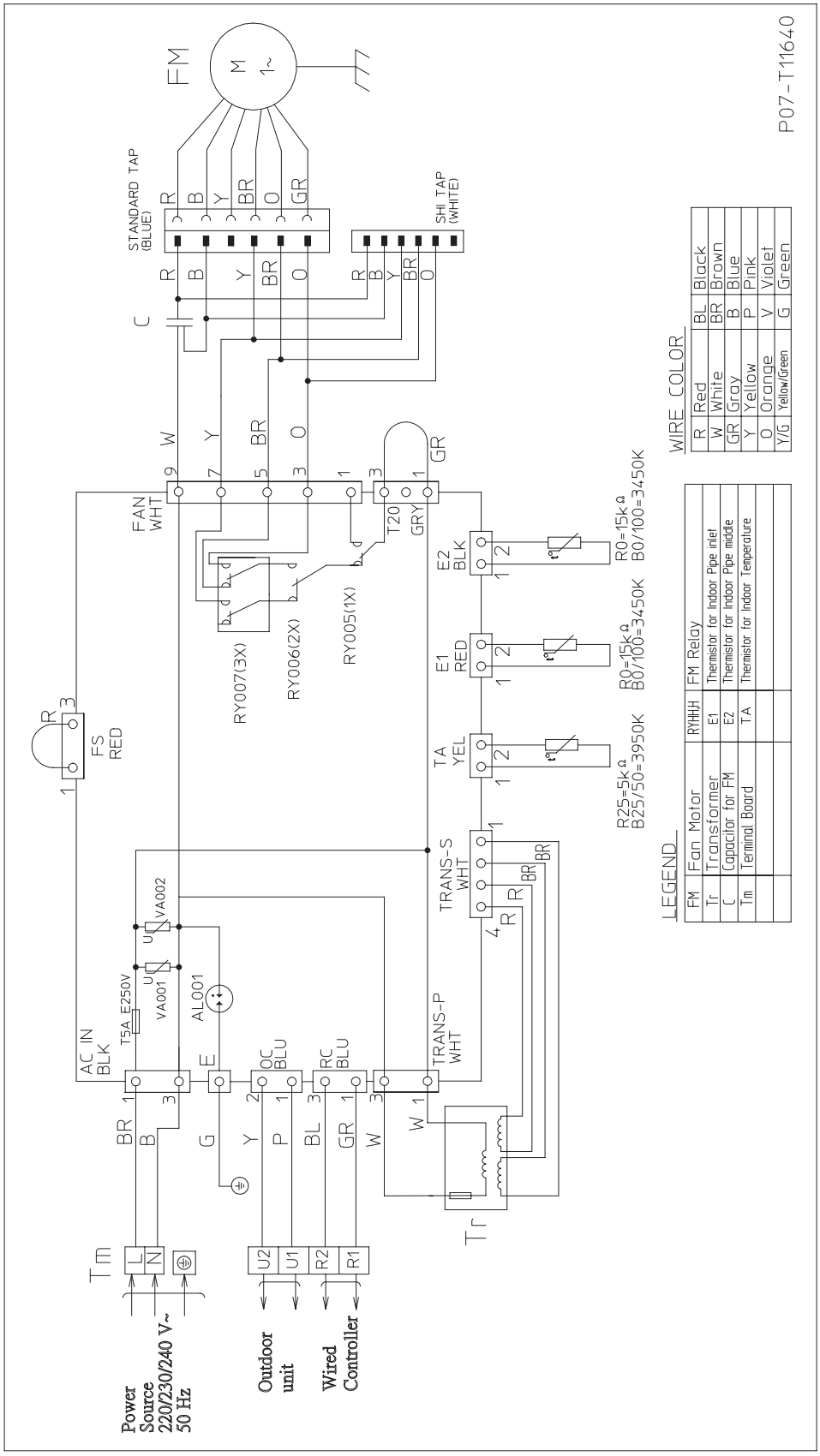


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3-1. Indoor Units

■ Ducted Type S-36PN1E5 / S-45PN1E5 / S-50PN1E5

Electric Wiring Diagram

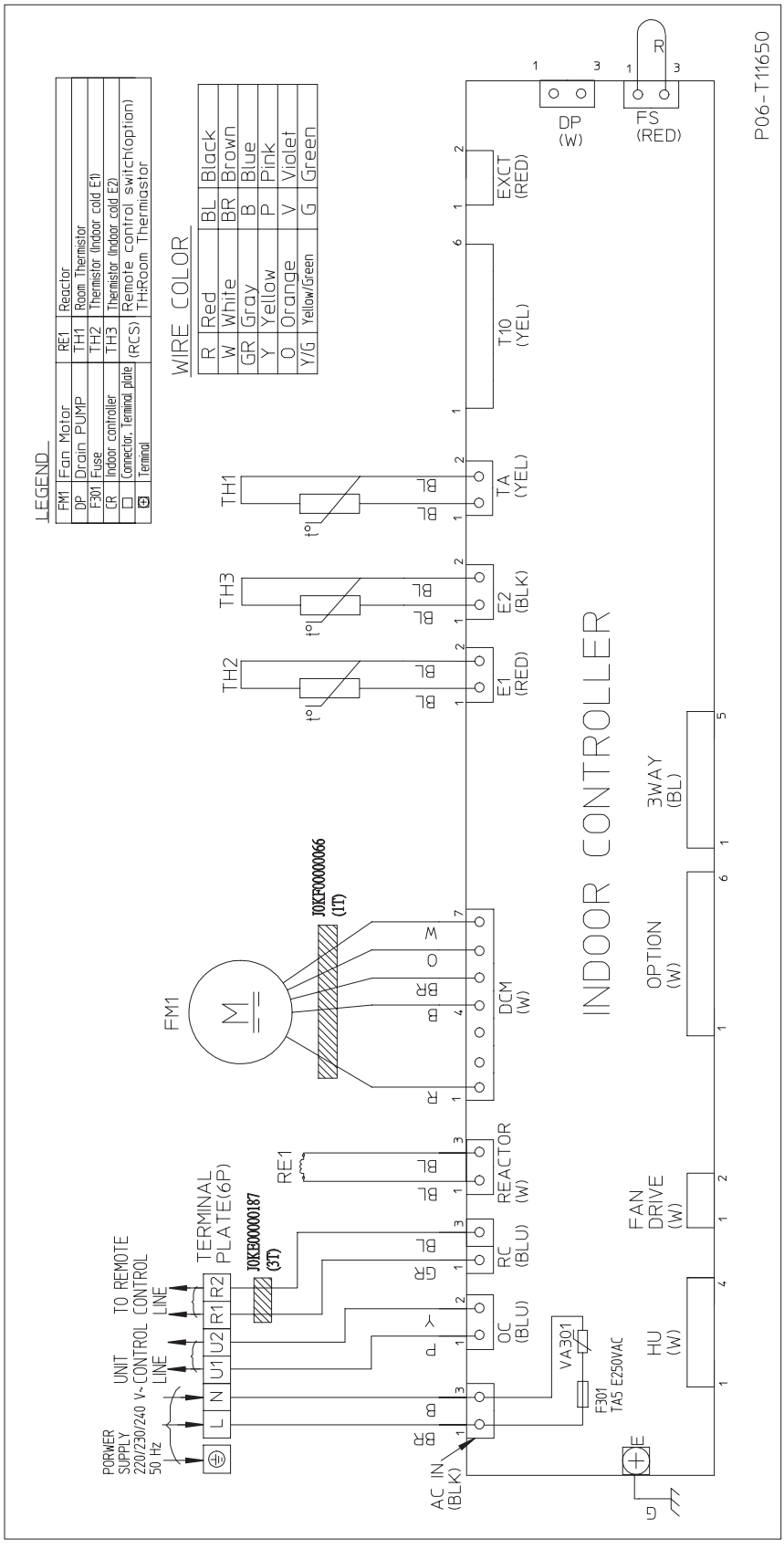


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3-1. Indoor Units

■ Ducted Type S-60PN1E5 / S-71PN1E5 / S-100PN1E5 / S-125PN1E5 / S-140PN1E5

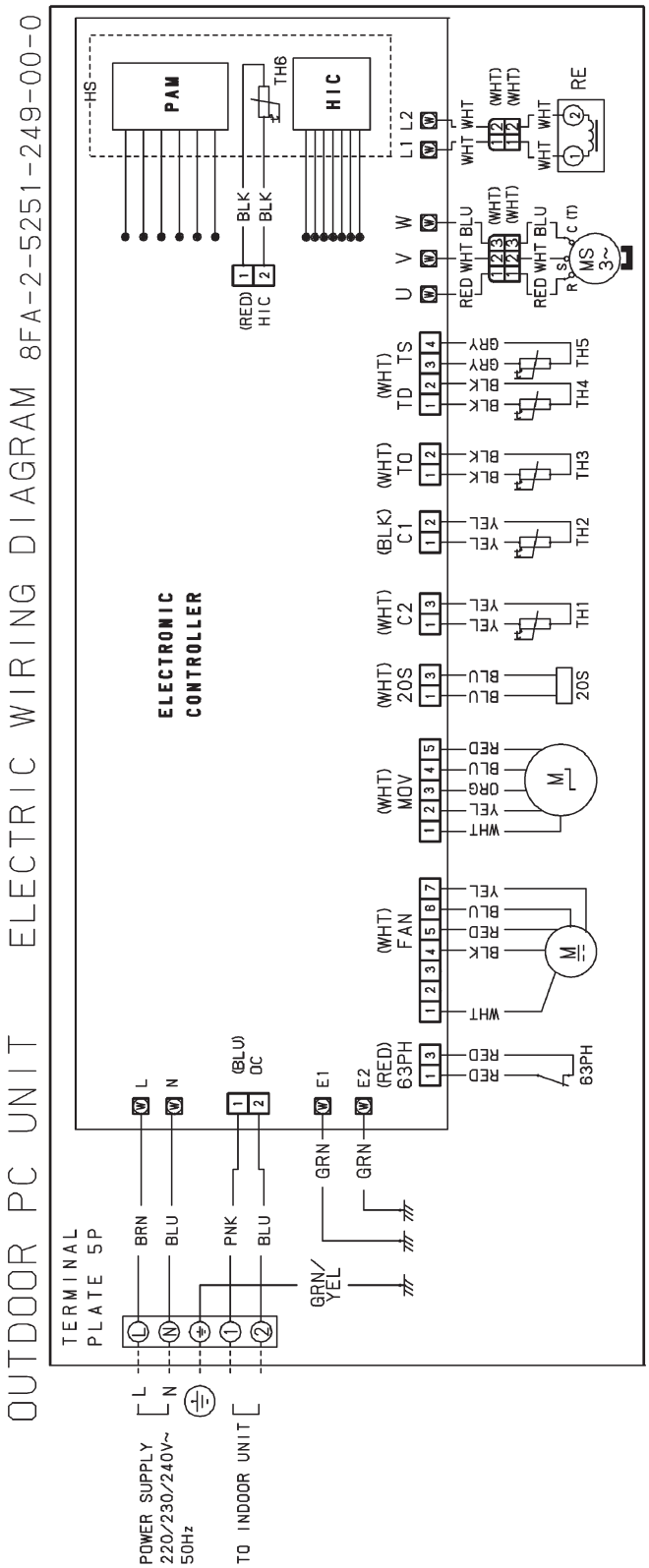
Electric Wiring Diagram



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3-2. Outdoor Units

■ **Single-phase U-50PE1E5**

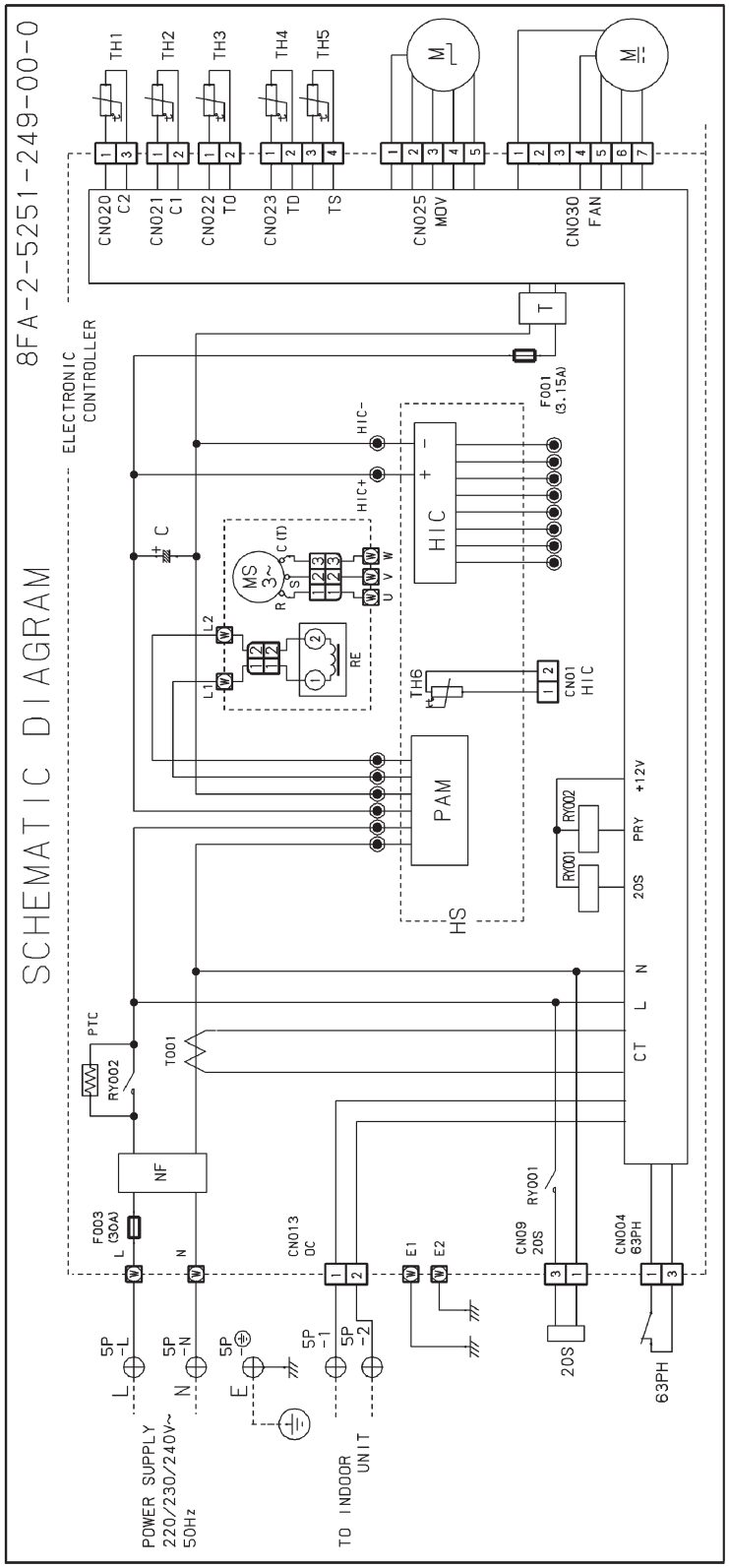


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3-2. Outdoor Units

■ **Single-phase U-50PE1E5**



SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
MS 3~	COMPRESSOR MOTOR	NF	NOISE FILTER	HS	HEAT SINK (RADIATOR)		THERMISTOR
M	OUTDOOR FAN MOTOR	C	ELECTROLYTIC CAPACITOR	T001	CURRENT TRANSFORMER		CONNECTOR
20S	4-WAY VALVE	RE	REACTOR	PTC	PTC THERMISTOR		LEAD WIRE
M	EXPANSION VALVE	HIC	HYBRID IC	T	TRANSFORMER		TERMINAL BOARD
F001, 003	OPERATION CIRCUIT FUSE	PAM	PAM IC	RY001, 002	RELAY	63PH	PRESSURE SWITCH

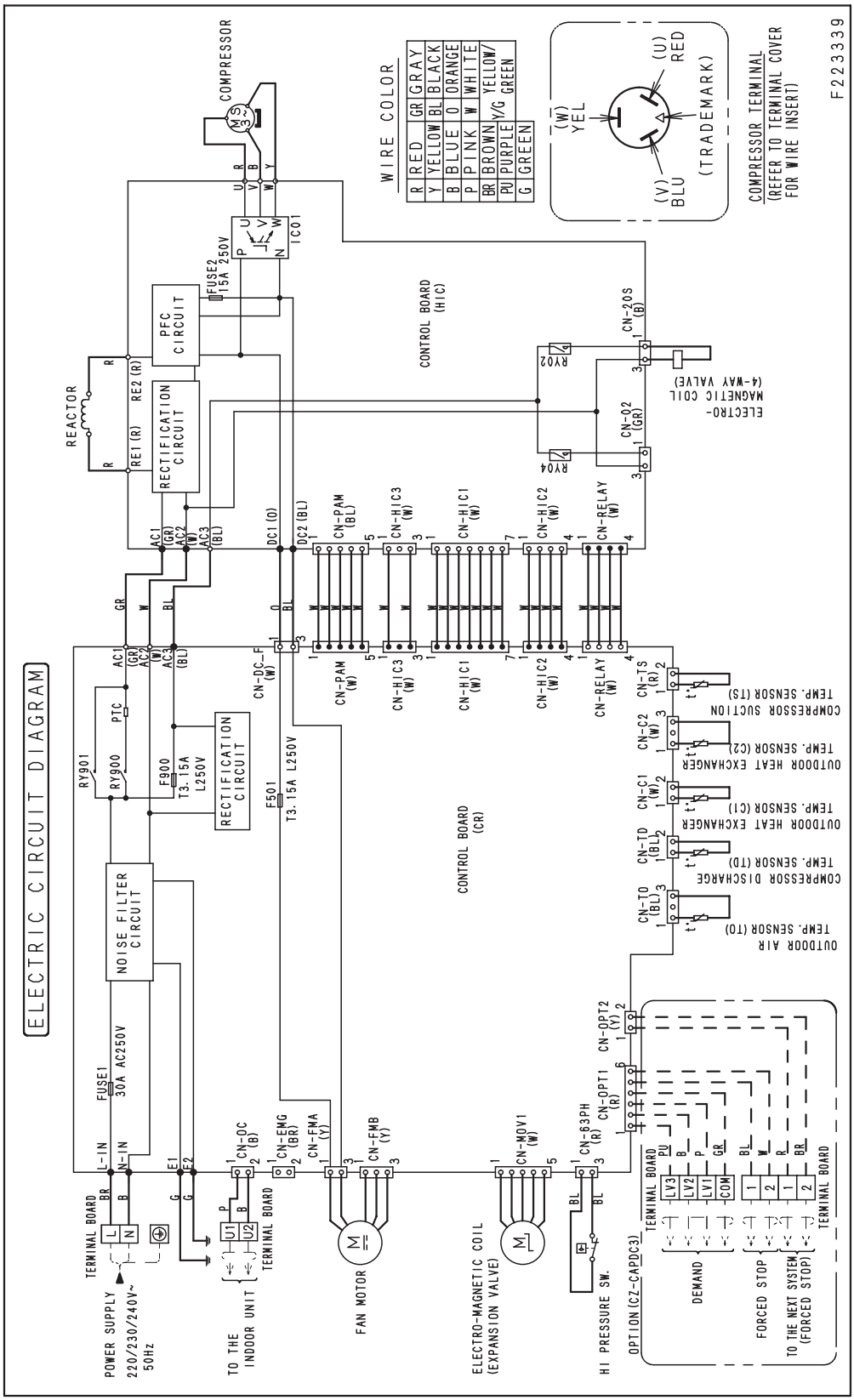
⚠ WARNING

TURN OFF THE MAIN POWER SUPPLY SWITCH WHEN CHANGING P.C.B.. CONFIRM ALL THE L.E.D.S ON THE P.C.B. ARE OFF AND START TO REWORK. OTHERWISE YOU MAY BE KILLED BY AN ELECTRIC SHOCK.

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3-2. Outdoor Units

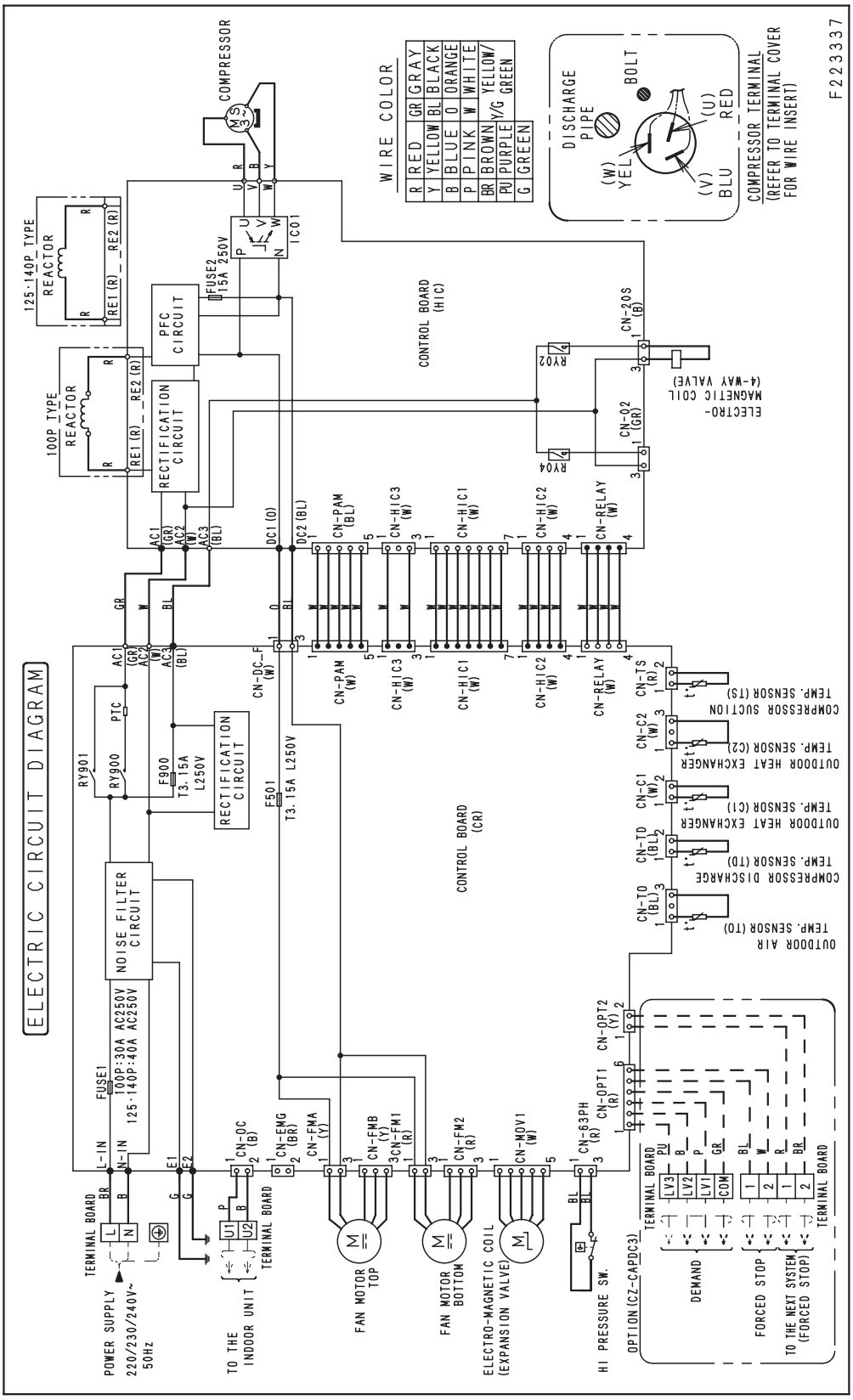
■ Single-phase U-60PE1E5 / U-71PE1E5



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3-2. Outdoor Units

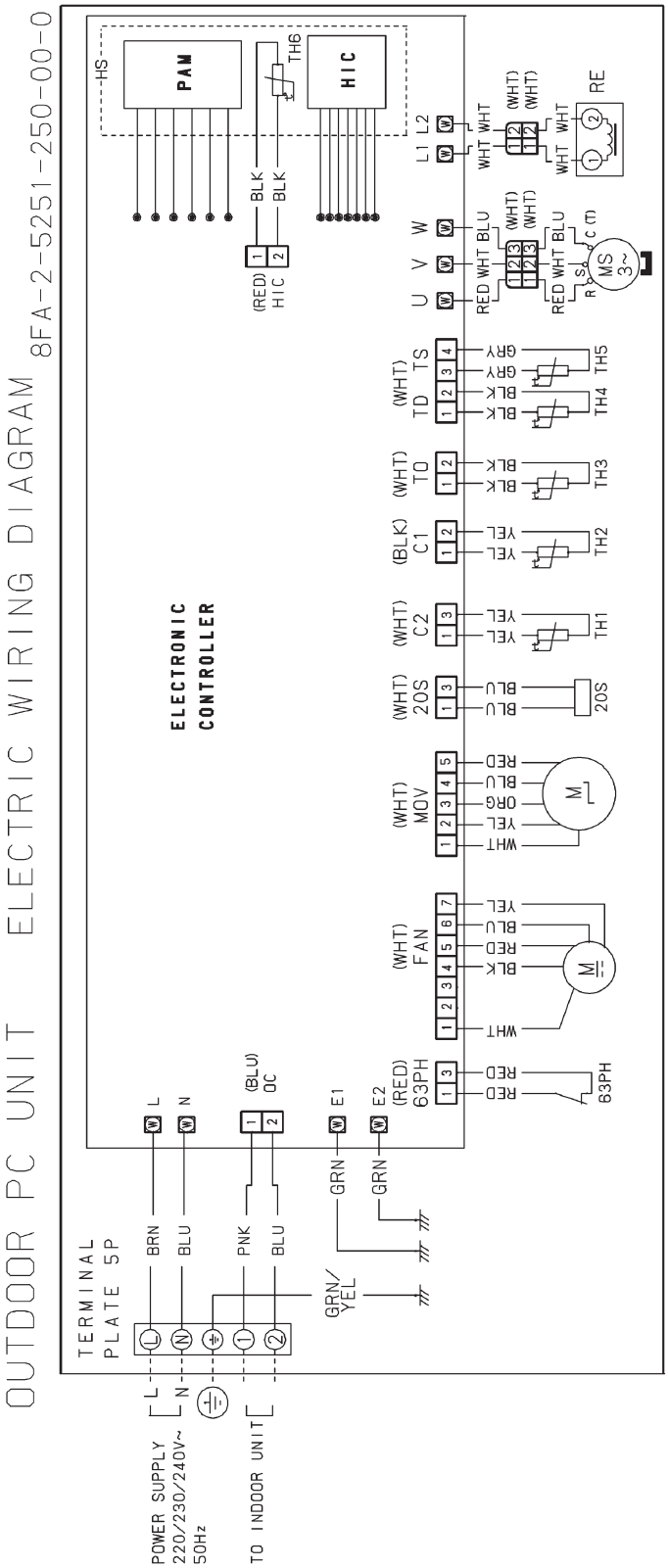
■ **Single-phase U-100PE1E5 / U-125PE1E5 / U-140PE1E5**



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3-2. Outdoor Units

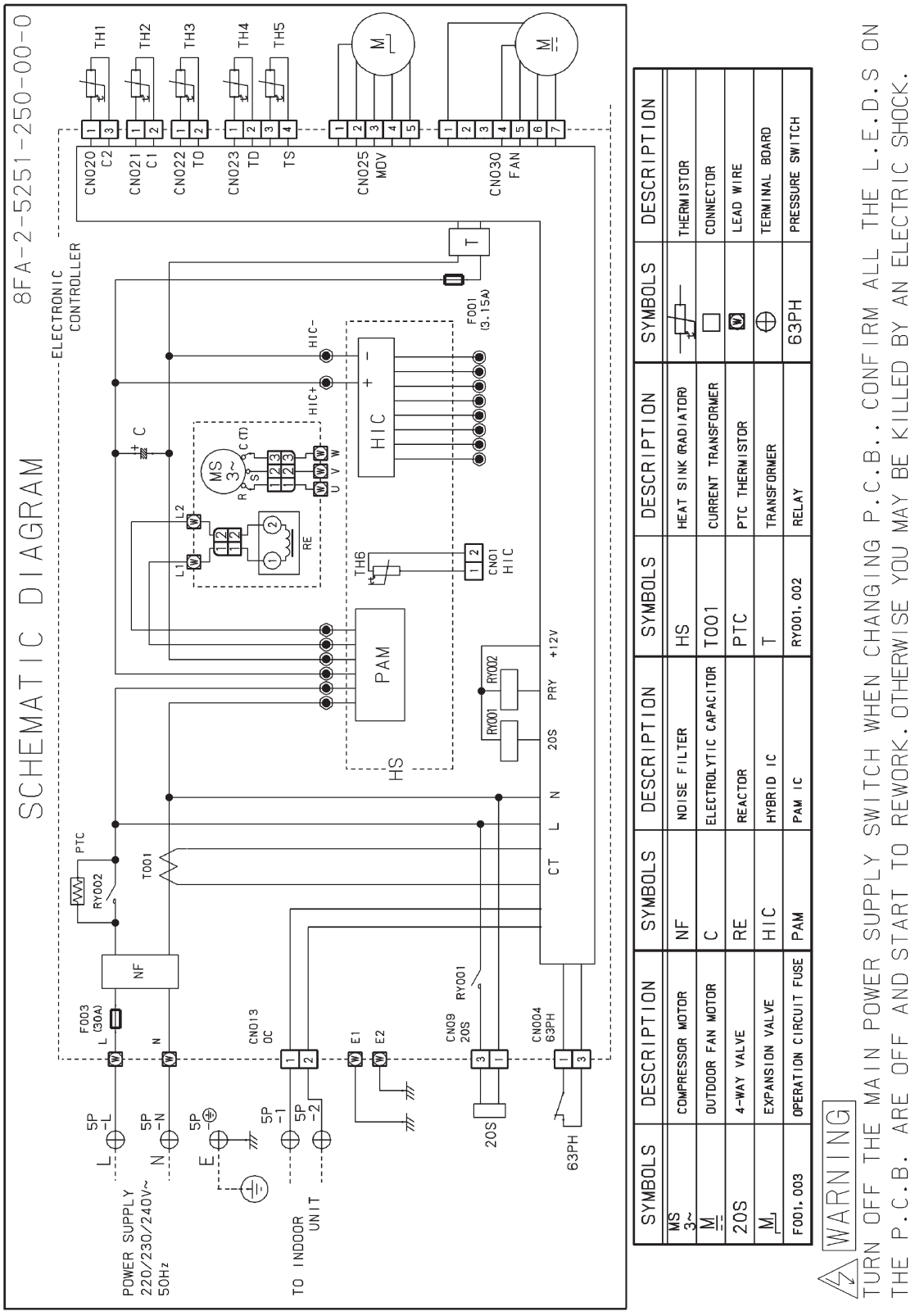
■ **Single-phase U-60PEY1E5 / U-71PEY1E5**



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3-2. Outdoor Units

■ **Single-phase U-60PEY1E5 / U-71PEY1E5**



SYMBOLS	DESCRIPTION
MS 3~	COMPRESSOR MOTOR
M	OUTDOOR FAN MOTOR
20S	4-WAY VALVE
M	EXPANSION VALVE
F001, 003	OPERATION CIRCUIT FUSE

SYMBOLS	DESCRIPTION
NF	NOISE FILTER
C	ELECTROLYTIC CAPACITOR
RE	REACTOR
HIC	HYBRID IC
PAM	PAM IC

SYMBOLS	DESCRIPTION
HS	HEAT SINK (RADIATOR)
T001	CURRENT TRANSFORMER
PTC	PTC THERMISTOR
T	TRANSFORMER
RY001, 002	RELAY

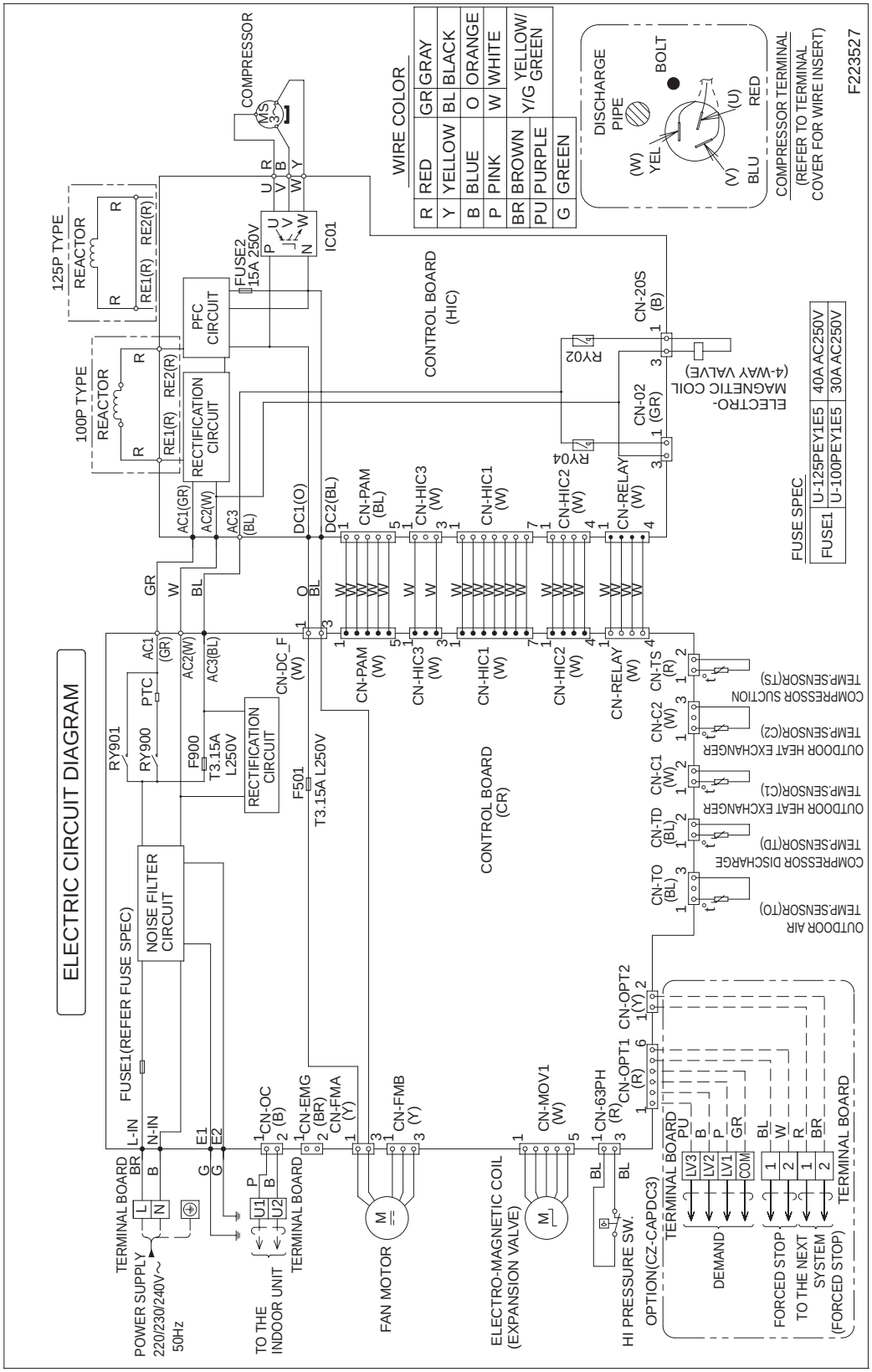
SYMBOLS	DESCRIPTION
	THERMISTOR
	CONNECTOR
	LEAD WIRE
	TERMINAL BOARD
63PH	PRESSURE SWITCH

⚠ WARNING
TURN OFF THE MAIN POWER SUPPLY SWITCH WHEN CHANGING P.C.B.. CONFIRM ALL THE L.E.D.S ON THE P.C.B. ARE OFF AND START TO REWORK. OTHERWISE YOU MAY BE KILLED BY AN ELECTRIC SHOCK.

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3-2. Outdoor Units

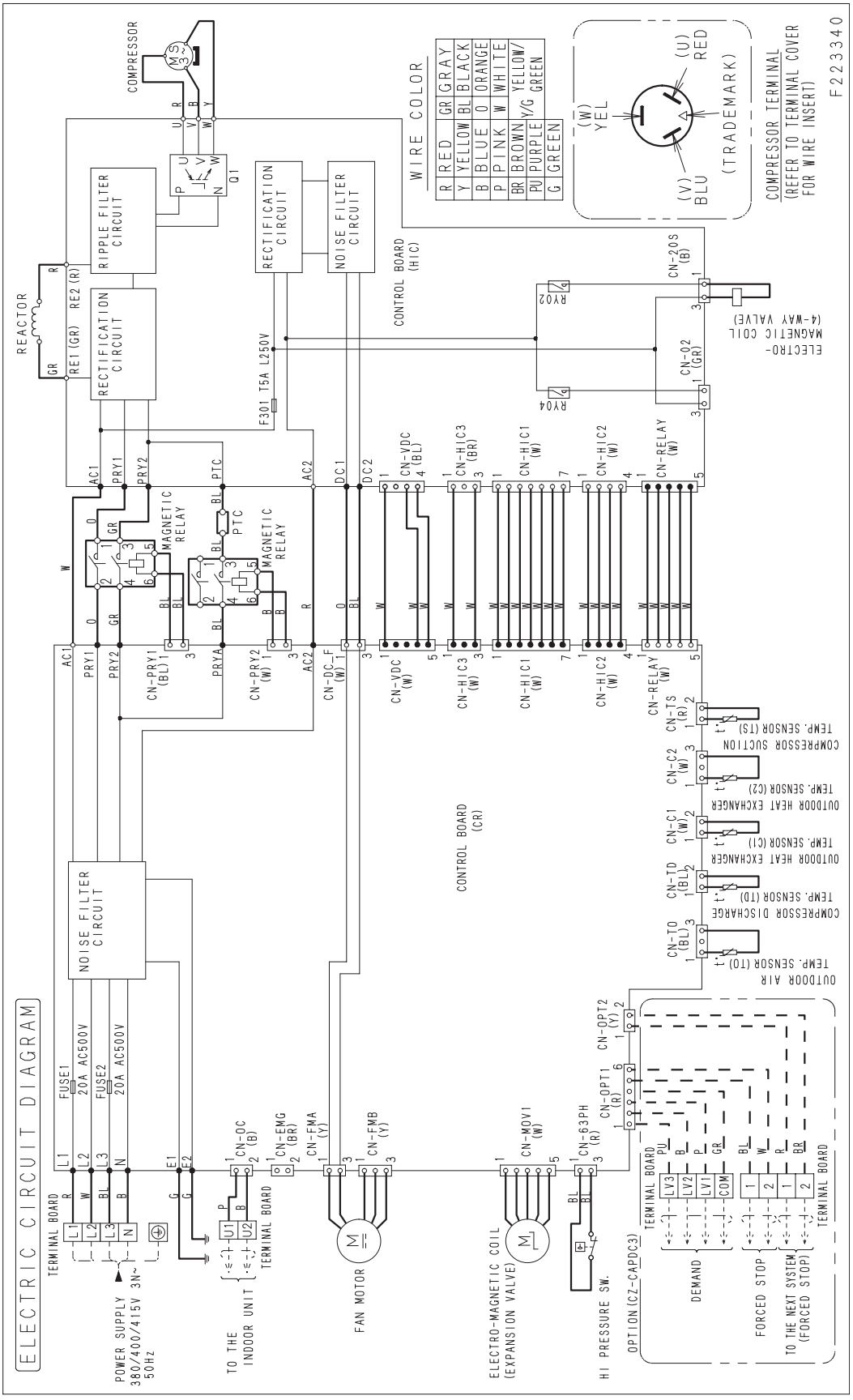
■ Single-phase U-100PEY1E5 / U-125PEY1E5



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3-2. Outdoor Units

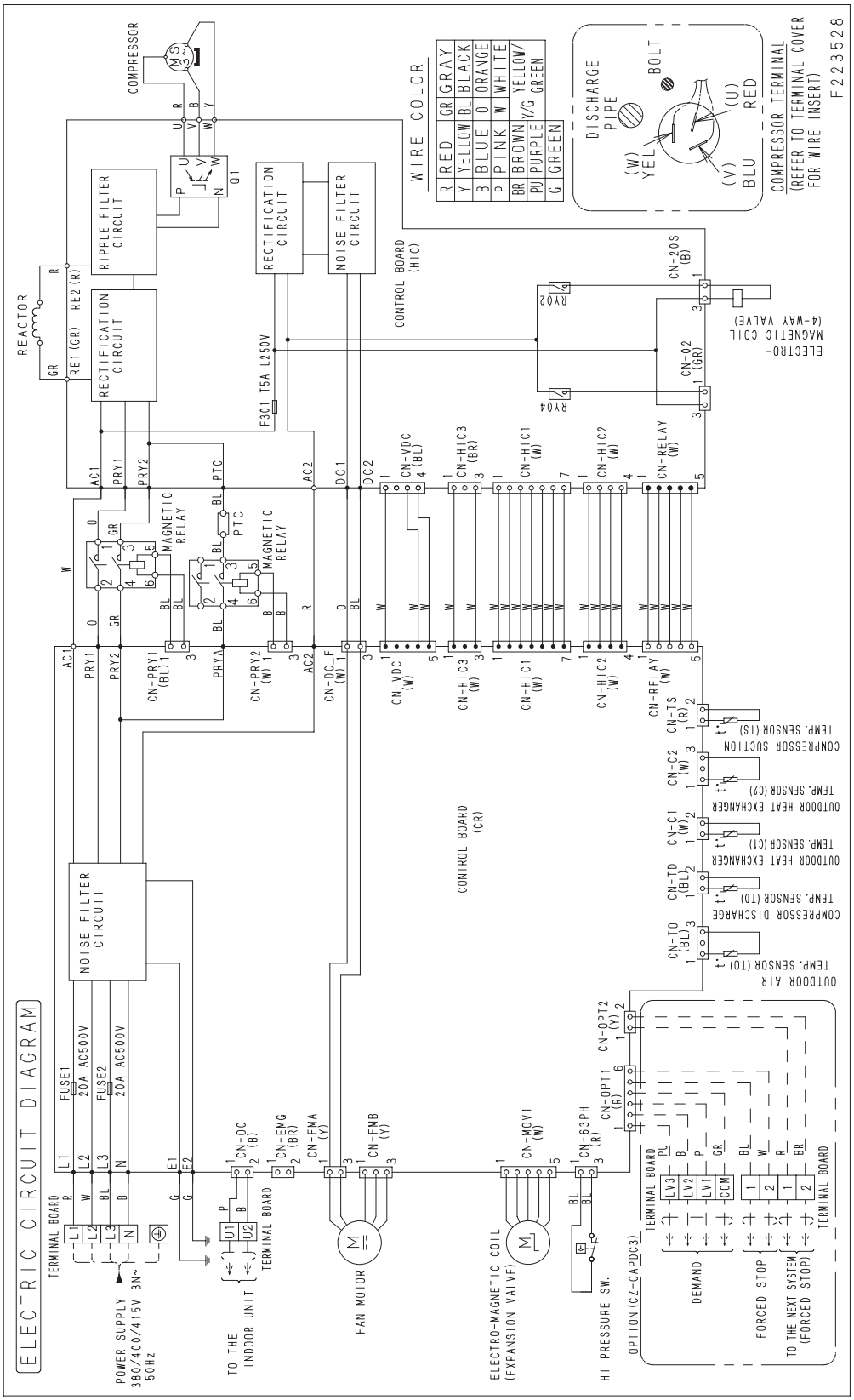
■ 3-phase U-71PE1E8



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3-2. Outdoor Units

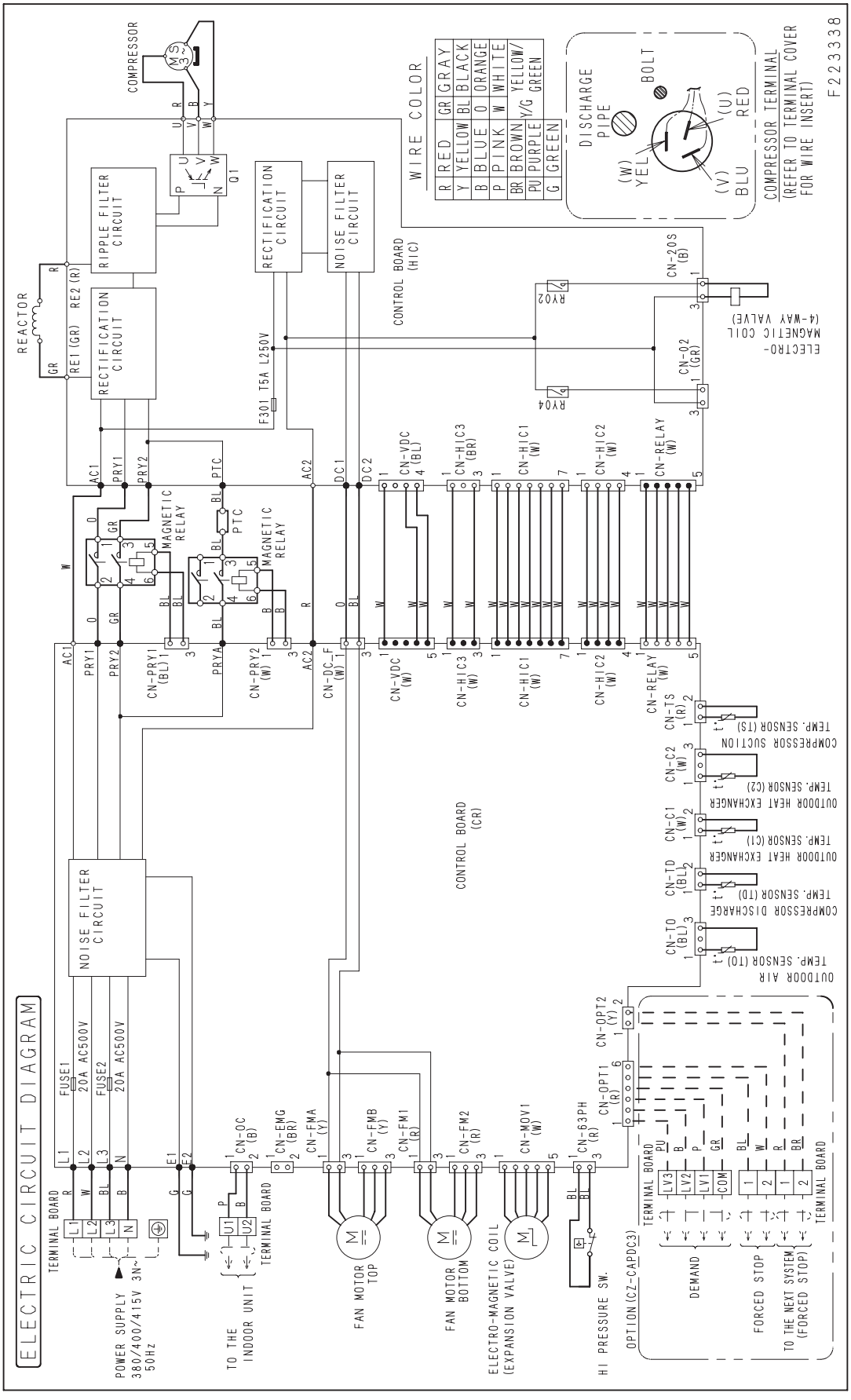
■ 3-phase U-100PEY1E8 / U-125PEY1E8



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3-2. Outdoor Units

■ **3-phase U-100PE1E8 / U-125PE1E8 / U-140PE1E8 /U-140PEY1E8**



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4. CONTROL FUNCTIONS

4-1. Room Temperature Control 4-2
4-2. Heating Standby 4-4
4-3. Automatic Fan Speed Control 4-5
4-4. Drain Pump Control 4-6
4-5. Automatic Heating/Cooling Control 4-7
4-6. Automatic Flap Control 4-8
4-7. Filter Sign 4-8
4-8. Fan Control during Dry Mode 4-9
4-9. Ventilation Fan Output 4-9
4-10. T10 Terminal 4-9
4-11. Parameter 4-10
4-12. Control Functions 4-11
4-13. Outdoor Unit Control PCB 4-23
4-14. Functions of Outdoor Unit PCB 4-43
4-15. Self-Diagnostics Function Table 4-46

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4-1. Room Temperature Control

- The body sensor or remote controller sensor detects temperature in the room. The detected temperature is called the room temperature. The body sensor is the one contained in the indoor unit.

	Body sensor is enabled	Remote controller sensor is enabled
Set temp.	Set temp. in remote controller	Set temp. in remote controller
Detected temp. by sensor	Detected temp. by body sensor	Detected temp. by remote controller sensor
Room temp.	Detected temp. by body sensor - *correction temp.	Detected temp. by remote controller sensor

- The thermostat is turned ON or OFF according to the following ΔT.

ΔT (Cooling)	ΔT = room temp. – set temp. (set temp. in remote controller)
ΔT (Heating)	ΔT = set temp. – room temp.

※ Correction temperature (only during heating)

If the indoor unit is installed on the ceiling, temperature near the ceiling is higher than near the floor. When the body sensor is enabled, lower temperature near the floor must be considered. To correct this difference in temperature, the correction temperature is used.

The factory setting for the correction temperature is different depending on the model. Refer to “4-11. Parameter”.

Example: Cooling temperature correction
4-Way Cassette (correction temperature: 0 degrees)
Body sensor is enabled

Set temp. in remote controller	28℃	28℃	28℃
Detected temp. by sensor	30.0℃	27.5℃	27.0℃
Detected temp. by body sensor	30.0℃	27.5℃	27.0℃
Detected temp. by remote controller sensor	30.0℃	27.5℃	27.0℃
Room temp. = temp. detected by body sensor	30.0℃ =30.0	27.5℃ =27.5	27.0℃ =27.0
Δ T	+2.0deg	-0.5deg	-1.0deg
	Thermostat ON	Thermostat ON	Thermostat OFF

Example: Heating temperature correction
4-Way Cassette (correction temperature: 4 degrees)
Body sensor is enabled

Set temp. in remote controller	20℃	20℃	20℃
Detected temp. by sensor	17.0℃	22.0℃	25.0℃
Detected temp. by body sensor	17.0℃	22.0℃	25.0℃
Detected temp. by remote controller sensor	13.0℃	18.0℃	21.0℃
Room temp. = temp. detected by body sensor – 4 deg	13.0℃ =17.0-4 deg	18.0℃ =22.0-4 deg	21.0℃ =25.0-4 deg
Δ T	+7.0deg	+2.0deg	-1.0deg
	Thermostat ON	Thermostat ON	Thermostat OFF

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Remote controller sensor is enabled

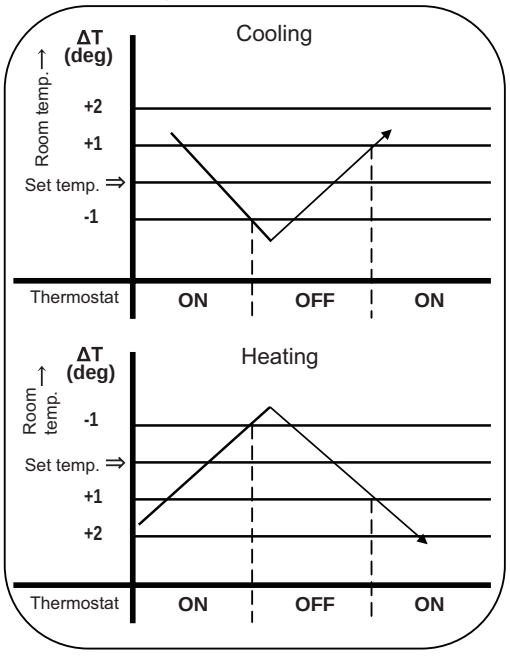
Set temp. in remote controller	28℃	28℃	28℃
Detected temp. by sensor	30.0℃	27.5℃	27.0℃
Detected temp. by body sensor	30.0℃	27.5℃	27.0℃
Detected temp. by remote controller sensor	30.0℃	27.5℃	27.0℃
Room temp. = temp. detected by remote controller sensor	30.0℃ =30.0	27.5℃ =27.5	27.0℃ =27.0
Δ T	+2.0deg	-0.5deg	-1.0deg
	Thermostat ON	Thermostat OFF	Thermostat OFF

Remote controller sensor is enabled

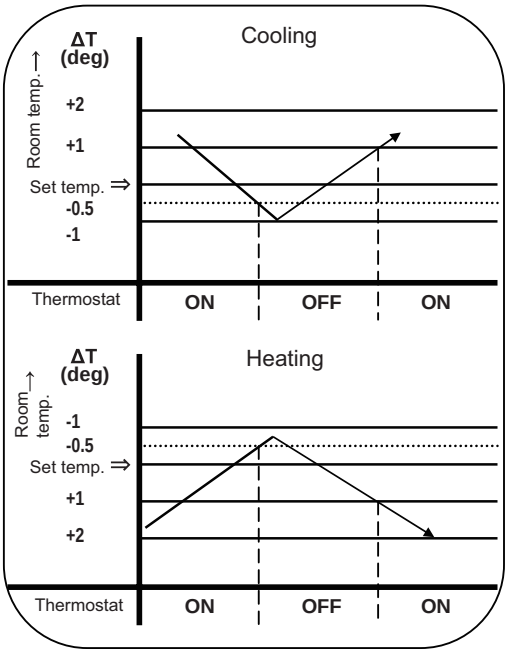
Set temp. in remote controller	20℃	20℃	20℃
Detected temp. by sensor	17.0℃	20.5℃	21.0℃
Detected temp. by body sensor	21.0℃	24.5℃	25.0℃
Detected temp. by remote controller sensor	17.0℃	20.5℃	21.0℃
Room temp. = temp. detected by remote controller sensor	17.0℃ =17.0	20.5℃ =20.5	21.0℃ =21.0
Δ T	+3.0deg	-0.5deg	-1.0deg
	Thermostat ON	Thermostat OFF	Thermostat OFF

4

Body sensor is enabled



Remote controller sensor is enabled



① The thermostat does not turn OFF for 3 minutes after it turns ON.

② The thermostat does not turn ON 1 to 3 minutes after it turns OFF.

③ The thermostat does not turn OFF for 60 minutes during the test run mode. (Forced thermostat ON)
*However, the thermostat turns OFF if an alarm occurs.

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