

OUTDOOR
UNITS

| HP | 8HP | 10HP | 12HP | 14HP | 16HP | 18HP | 20HP | 22HP | 24HP | 26HP | 28HP |
|---|-------------------------------------|---------------------|--------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Model | AVWT-76 HKSS | AVWT-96 HKSS | AVWT-114 HKSS | AVWT-136 HKSS | AVWT-154 HKSS | AVWT-170 HKSS | AVWT-190 HKSS | AVWT-212 HKSS | AVWT-232 HKSS | AVWT-250 HKSS | AVWT-272 HKSS |
| Power Supply | 380-415V 3N~50Hz / 60Hz | | | | | | | | | | |
| | Rated Capacity | kW | 22.4 | 28.0 | 33.5 | 40.0 | 45.0 | 50.0 | 56.0 | 61.5 | 68.0 |
| | Power Consumption | kW | 5.21 | 7.00 | 8.65 | 10.53 | 12.50 | 15.63 | 17.90 | 20.50 | 22.82 |
| | EER | | 4.30 | 4.00 | 3.87 | 3.80 | 3.60 | 3.20 | 3.13 | 3.00 | 2.98 |
| Heating Operation ¹ | Rated Capacity | kW | 25.0 | 31.5 | 37.5 | 45.0 | 50.0 | 56.0 | 63.0 | 69.0 | 75.0 |
| | Power Consumption | kW | 85.3 | 107.5 | 128.0 | 153.5 | 170.6 | 191.1 | 215.0 | 235.4 | 255.0 |
| | COP | | 5.77 | 7.59 | 9.21 | 11.72 | 13.70 | 16.97 | 19.87 | 22.48 | 24.59 |
| | Air Flow Rate | m ³ /min | 183 | 183 | 183 | 200 | 200 | 200 | 267 | 296 | 350 |
| Noise level ² | | dB(A) | 59 | 60 | 62 | 62 | 62 | 63 | 64 | 66 | 67 |
| Cabinet Color ³ | Grayish White | | | | | | | | | | |
| Compressor Type | Enhanced Vapor Injection Compressor | | | | | | | | | | |
| Refrigerant Type | R410A | | | | | | | | | | |
| Out Dimension | Gas Line | mm | Φ19.05 | Φ22.20 | Φ25.40 | Φ25.40 | Φ28.60 | Φ28.60 | Φ28.60 | Φ31.75 | Φ31.75 |
| | Liquid Line | mm | Φ9.53 | Φ9.53 | Φ12.70 | Φ12.70 | Φ12.70 | Φ15.88 | Φ15.88 | Φ19.05 | Φ19.05 |
| | H | mm | 1730 | 1730 | 1730 | 1730 | 1730 | 1730 | 1730 | 1730 | 1730 |
| | W | mm | 950 | 950 | 950 | 1210 | 1210 | 1210 | 1350 | 1350 | 1600 |
| Packing Dimension | D | mm | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 |
| | H | mm | 1930 | 1930 | 1930 | 1930 | 1930 | 1930 | 1930 | 1930 | 1930 |
| | W | mm | 1015 | 1015 | 1015 | 1275 | 1275 | 1275 | 1420 | 1420 | 1665 |
| | D | mm | 790 | 790 | 790 | 790 | 790 | 790 | 790 | 790 | 790 |
| Max.number of connectable IDU | | | 13 | 16 | 19 | 23 | 26 | 29 | 33 | 36 | 40 |
| Max. Fuse Current | A | | 25 | 32 | 32 | 40 | 40 | 50 | 63 | 63 | 80 |
| Max. Running Current | A | | 17.2 | 22.5 | 23.5 | 28.6 | 33 | 38.6 | 44.5 | 49.8 | 52.4 |
| Net Weight | kg | | 224 | 244 | 245 | 297 | 298 | 347 | 361 | 370 | 414 |
| Gross Weight | kg | | 243 | 263 | 265 | 321 | 322 | 371 | 395 | 397 | 446 |
| Connection Ratio | | | 50%~150% | | | | | | | | |
| Compressor Quantity | PC | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| Condenser Fan Quantity | PC | | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Height Difference Between ODU's and IDU's | m | | 50 (90") | | | | | | | | |
| Height Difference Between IDU's | m | | 40 (90") | | | | | | | | |
| Operation Range | Cooling | DB | -5°C~52°C ^{4,5} | | | | | | | | |
| | Heating | WB | -25°C~-16.5°C | | | | | | | | |
| Max. Total Piping Length | m | | 1000 | | | | | | | | |

Note: 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m
2.The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3.The final appearance of outdoor units is subject to the actual products.
4.For height difference between ODU&IDU more than 50/40m, please contact our professional engineer.
5.When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.

| HP | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 |
|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Model | AVWT-290 HKSS | AVWT-308 HKSS | AVWT-324 HKSS | AVWT-344 HKSS | AVWT-360 HKSS | AVWT-380 HKSS | AVWT-402 HKSS | AVWT-422 HKSS | AVWT-444 HKSS | AVWT-464 HKSS | AVWT-482 HKSS | AVWT-504 HKSS | AVWT-522 HKSS | AVWT-544 HKSS |
| Combination | AWT-154HKSS | AWT-154HKSS | AWT-170HKSS | AWT-170HKSS | AWT-190HKSS | AWT-190HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS |
| | AWT-136HKSS | AWT-154HKSS | AWT-154HKSS | AWT-154HKSS | AWT-170HKSS | AWT-190HKSS | AWT-190HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS |

| HP | 58 | 60 | 62 | 64 | 66 | 68 | 70 | 72 | 74 | 76 | 78 | 80 | 82 | 84 |
|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Model | AVWT-552 HKSS | AVWT-570 HKSS | AVWT-592 HKSS | AVWT-612 HKSS | AVWT-634 HKSS | AVWT-654 HKSS | AVWT-676 HKSS | AVWT-696 HKSS | AVWT-714 HKSS | AVWT-732 HKSS | AVWT-754 HKSS | AVWT-776 HKSS | AVWT-794 HKSS | AVWT-816 HKSS |
| Combination | AWT-220HKSS | AWT-190HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS |
| | AWT-170HKSS | AWT-190HKSS | AWT-190HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS |
| | AWT-170HKSS | AWT-190HKSS | AWT-170HKSS | AWT-190HKSS | AWT-190HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS |

| HP | 86 | 88 | 90 | 92 | 94 | 96 | 98 | 100 | 102 | 104 | 106 | 108 | 110 | 112 |
|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|
| Model | AVWT-824 HKSS | AVWT-844 HKSS | AVWT-866 HKSS | AVWT-886 HKSS | AVWT-908 HKSS | AVWT-928 HKSS | AVWT-946 HKSS | AVWT-968 HKSS | AVWT-988 HKSS | AVWT-1008 HKSS | AVWT-1026 HKSS | AVWT-1048 HKSS | AVWT-1066 HKSS | AVWT-1088 HKSS |
| Combination | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS |
| | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS |
| | AWT-190HKSS | AWT-190HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS | AWT-220HKSS |

Hisense

Qingdao Hisense HVAC Equipment Co., Ltd.
Hisense Tower, Qingdao, China



HCAC-LL-2018SS12

★ Design and specifications are subject to change without notice. Pictures and diagrams are for reference only and are subject to change without notice.

INDOOR
UNITS

| HP | 0.6 | 0.8 | 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.3 | 2.5 | 3.0 | 3.3 | 4.0 | 5.0 | 6.0 | 8 | 10 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| kBtu/h | 5 | 7 | 9 | 12 | 14 | 17 | 19 | 22 | 24 | 27 | 30 | 38 | 48 | 54 | 76 | 96 |
| 1-Way Cassette Type | | | | | | | | | | | | | | | | |
| 2-Way Cassette Type | | | | | | | | | | | | | | | | |
| 4-Way Cassette Type | | | | | | | | | | | | | | | | |
| Mini 4-way Cassette Type | | | | | | | | | | | | | | | | |
| Ceiling Ducted Type (High Static Pressure) | | | | | | | | | | | | | | | | |
| Ceiling Ducted Type (Low Static Pressure) | | | | | | | | | | | | | | | | |
| Ceiling Ducted Type (AC Low-height) | | | | | | | | | | | | | | | | |
| Ceiling Ducted Type (DC Low-height) | | | | | | | | | | | | | | | | |
| Ceiling & Floor Type | | | | | | | | | | | | | | | | |
| Wall Mounted Type | | | | | | | | | | | | | | | | |
| Floor Concealed Type | | | | | | | | | | | | | | | | |
| Console Type | | | | | | | | | | | | | | | | |

CONTROL
SYSTEM

|  | | | | | | | |
|---|--------------------------------|---|---|---|--|---|---|
| Type | | Wired Controller | | | | | Wireless Controller |
| Model | | HYXE-VA01 | HYXE-J01H | HYXE-M01H | HYXM-VB01 | HYXE-S01H | HYE-W01 |
| Picture | |  |  |  |  NEW |  |  |
| Suit for indoor unit | Ceiling Duct Type | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | 4-Way Cassette | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | Mini 4-Way Cassette | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| | 1-Way Cassette | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| | 2-Way Cassette | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| | Ceiling&Floor | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| | Wall Mounted | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| | Floor Conocealed | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| | DC Low Height AC Low Height | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | Console Type | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | All Fresh Air Indoor Unit | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | Heat Recovery Ventilation | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| 3D Air-flow Panel | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | |
| AHU KIT | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | |

| Type | | Receiver Kit | | | Centralized Controller | ON/OFF |
|----------------------|----------------------------------|--|--|--|--|--|
| Model | | HYRE-V02H | HYRE-T02H | HYRE-X01H | HYJM-S01H | HYJ-J01H |
| Picture | |  |  |  |  |  |
| Suit for indoor unit | Ceiling Duct Type | <input type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | 4-Way Cassette | <input checked="" type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | Mini 4-Way Cassette | <input type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | 1-Way Cassette | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | 2-Way Cassette | <input type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | Ceiling&Floor | <input type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | Wall Mounted | <input type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | Floor Conocealed | <input type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | DC Low Height AC Low Height | <input type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | Console Type | <input type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | All Fresh Air Indoor Unit | <input type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | Heat Recovery Ventilation | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 3D Air-flow Panel | <input type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | |
| AHU KIT | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | |

Remarks: ✓ Standard ○ Optional × Incompatible

Hisense VRF



Hi-FLEXi S

LARGE MODULE DESIGN, 112HP COMBINATION

FOUR MODULE
COMBINATION
UP TO
112HP

THE SINGLE UNIT
CAPACITY UP TO
28HP



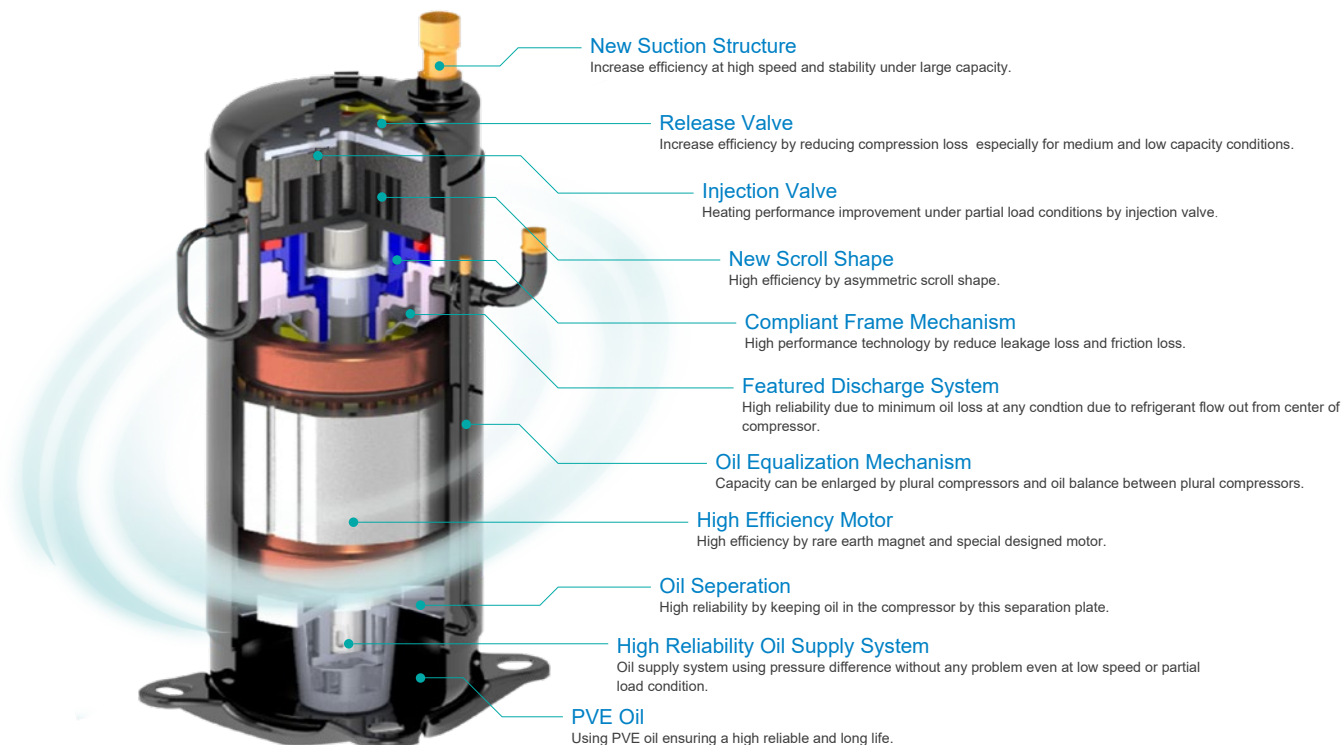
- G-type heat exchanger, more efficient
- EVI scroll compressor with rapid heating performance
- Powerful heating performance under low temperature
- Advanced mute design, user-friendly experience
- Float switch design, ensuring decoration safety
- Double back-up function, stable and reliable
- Patented 360° refrigerant cooling tech.
- Full DC large module, Max. 112HP combination
- Multiple oil control technologies available
- Wide operating range, precise temperature control
- Static pressure of outdoor unit is up to 110Pa
- Flexible installation and easy commissioning

ADVANCED TECHNOLOGIES

New Generation of Enhanced Vapor Injection Scroll Compressor

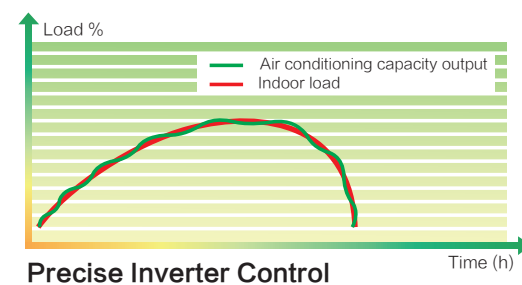
Hisense Hi-FLEXi S series adopts a new generation of the high efficiency scroll compressor and the patented vapor injection technology*1. It can greatly enhance the heating performance and achieve high energy-saving efficiency. Powerful heating is guaranteed by Hisense S series, especially under low temperature with heating performance increased up to 25%, compared with the standard model.

Note: *1. Patent number: a heat exchange cycle system and control methods and air conditioning, 201610909006.X



DC Frequency Inverter Technology in Compressor

Hisense VRF adopts a wide range and high-precision inverter technology. Its adjustment range is 0-450Hz and the control accuracy is 0.01Hz. The running speed of outdoor DC inverter compressor can be adjusted continuously and freely, which improves the user experience and also enhances the energy efficiency of the unit.



Patented 360° Fitted Refrigerant Cooling Technology, More Reliable Cooling System

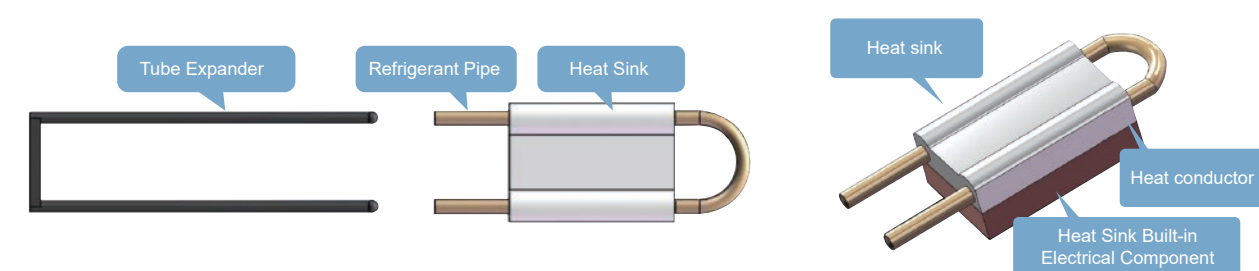
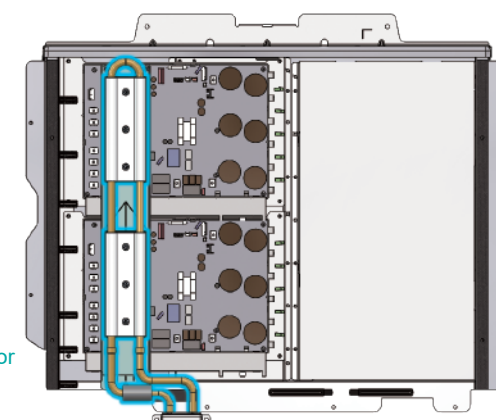
With the patented 360° refrigerant cooling technology, Hi-FLEXi S Series will remove the heat from the main PCB, inverter module and outdoor unit's electrical box stably and efficiently. It can help to improve the electrical reliability of the unit when it is running under high ambient. This ensures stability and safety of the outdoor unit running and also prevents poor heat dissipation caused by the fan cycle rotation or stop mode.

◎The refrigerant heat sink of aluminum alloy with high thermal conductivity and the internal mechanical tube can integrate closely to keep the heat transfer efficiency.

Patent Number:
1.Processing method of refrigerant heat sink, air conditioning and refrigerant cooling, 201710413663.X
2.Refrigerant heat sink and air conditioning, 201720645923.

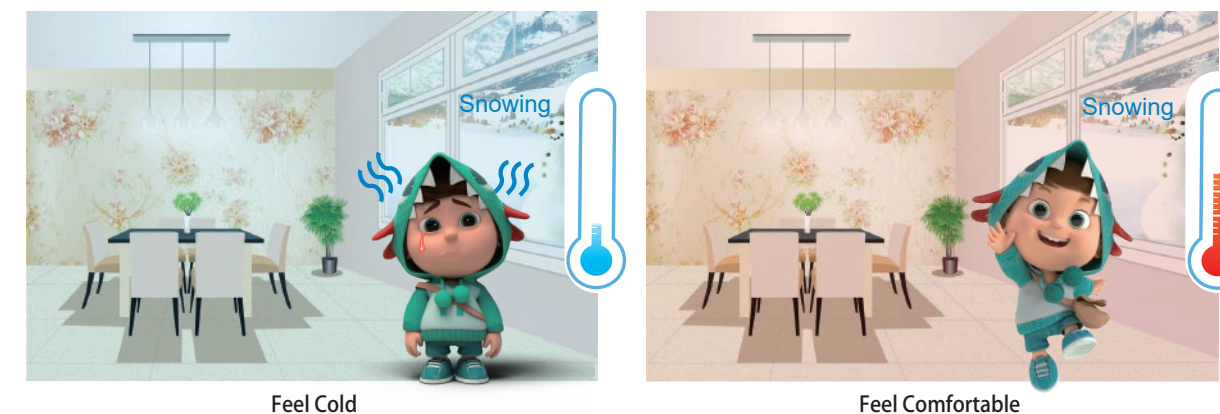
◎ A tin heat conductor is added between the refrigerant pipe and the heat sink built-in the electrical component to increase the heat transfer efficiency. Made by imported lead-free solder film with high thermal conductivity, the tin heat conductor greatly improve the overall performance.

Patent Number:
3.Testing device and method of a refrigerant heat sink, 201710456157.9
4.Testing device and method for refrigerant heat sink, 201710601662.8



Powerful Heating Performance Under Low Temperature

The system uses the vapor injection two-stage compressor technology and intelligent defrost technology to achieve strong heating efficiency which ensures the strong heating performance even under -15 °C .



Rapid Heating Under Low Temperature

When the Hi-FLEXi S Series is running at a low outdoor ambient of -15 °C, the outlet air temperature of the indoor unit can reach up to 40 °C or higher* in a short time. The outdoor unit has a fast and powerful heating efficiency, so it can offer you a warm and comfortable environment in winter.

This test result is based on the 10HP outdoor unit and 2 indoor units

Test conditions:

Outdoor suction temperature: -15 °C(dry bulb),
Relative humidity: 75%,
Indoor unit suction temperature: 20°C(dry bulb), high air volume.

Length of indoor and outdoor pipes: 6 meters.
Measurement sites: laboratory of constant temperature.

Note: The actual heat time depends on the heat load, models and building structure.

