

## 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	
380-415V 3N~ 50Hz / 60Hz													
Cooling Operation <sup>1</sup>	Rated Capacity kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	68.0	72.5	80.0	
	KBTu/h	76.4	95.5	114.3	136.5	153.5	170.6	191.1	209.8	232.1	246.5	272.0	
	Power Consumption kW	5.21	7.00	8.65	10.53	12.50	15.63	17.90	20.50	22.82	24.58	27.59	
	EER	4.30	4.00	3.87	3.80	3.60	3.20	3.13	3.00	2.98	2.95	2.90	
Heating Operation <sup>1</sup>	Rated Capacity kW	25.0	31.5	37.5	45.0	50.0	56.0	63.0	69.0	75.0	80.0	90.0	
	KBTu/h	85.3	107.5	128.0	131.5	170.8	191.1	215.0	234.5	250.0	272.0	300.0	
	Power Consumption kW	5.77	7.59	9.21	11.72	13.70	16.97	18.07	20.49	24.59	28.7	30.41	
Air Flow Rate m³/min	183	183	183	200	200	200	200	267	296	298	350	350	
Noise level <sup>2</sup> dB(A)	59	60	62	62	62	62	63	64	66	67	67	67	
Cabinet Color <sup>3</sup>	Grayish White												
Compressor Type	Enhanced Vapor Injection Compressor												
Refrigerant Type	R410A												
Gas Line	mm	Φ19.05	Φ22.20	Φ25.40	Φ25.40	Φ28.60	Φ28.60	Φ28.60	Φ28.60	Φ31.75	Φ31.75	Φ31.75	
Liquid Line	mm	Φ0.53	Φ0.53	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ19.05	Φ19.05	
Out Dimension	H mm	1730	1730	1730	1730	1730	1730	1730	1730	1730	1730	1730	
	W mm	690	690	750	750	750	750	750	750	750	750	750	
	D mm	750	750	750	750	750	750	750	750	750	750	750	
Packing Dimension	H mm	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	1930	
	W mm	1015	1015	1015	1275	1275	1420	1420	1420	1665	1665	1665	
	D mm	790	790	790	790	790	790	790	790	790	790	790	
Max.number of connectable IDU		13	16	19	23	26	29	33	36	40	43	47	
Max. Fuse Current A		25	32	32	40	40	50	63	63	63	80	80	
Max. Running Current A		17.2	22.5	23.5	28.6	33	38.6	44.5	49.8	52.4	56.9	58.2	
Net Weight kg		224	244	245	297	298	347	361	369	370	414	415	
Gross Weight kg		243	263	265	321	322	371	395	396	397	446	447	
Connection Ratio	50%~150%												
Compressor Type	PC	1	1	1	1	1	2	2	2	2	2	2	
Condenser Fan Quantity	PC	1	1	1	2	2	2	2	2	2	2	2	
Height Difference Between ODU and IDUs	ODU is Higher than IDUs	50 (90 <sup>4</sup> )											
	ODU is Lower than IDUs	40 (90 <sup>4</sup> )											
Height Difference Between IDUs	m	30											
Operation Range	Cooling DB	-5°C~52°C <sup>5</sup>											
	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 6°C WB, 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(40)m, 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	AVWT-154HKSS	AVWT-154HKSS	AVWT-170HKSS	AVWT-190HKSS	AVWT-190HKSS	AVWT-210HKSS	AVWT-230HKSS	AVWT-230HKSS	AVWT-250HKSS	AVWT-270HKSS	AVWT-270HKSS	AVWT-270HKSS	AVWT-270HKSS	AVWT-270HKSS
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	AVWT-170HKSS	AVWT-190HKSS	AVWT-210HKSS	AVWT-230HKSS	AVWT-230HKSS	AVWT-250HKSS	AVWT-250HKSS	AVWT-270HKSS	AVWT-270HKSS	AVWT-270HKSS	AVWT-270HKSS	AVWT-270HKSS	AVWT-270HKSS	AVWT-270HKSS
HP	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-906 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-1086 HKSS
Combination	AVWT-190HKSS	AVWT-190HKSS	AVWT-190HKSS	AVWT-190HKSS	AVWT-190HKSS	AVWT-210HKSS	AVWT-210HKSS	AVWT-230HKSS	AVWT-230HKSS	AVWT-230HKSS	AVWT-230HKSS	AVWT-230HKSS	AVWT-230HKSS	AVWT-230HKSS

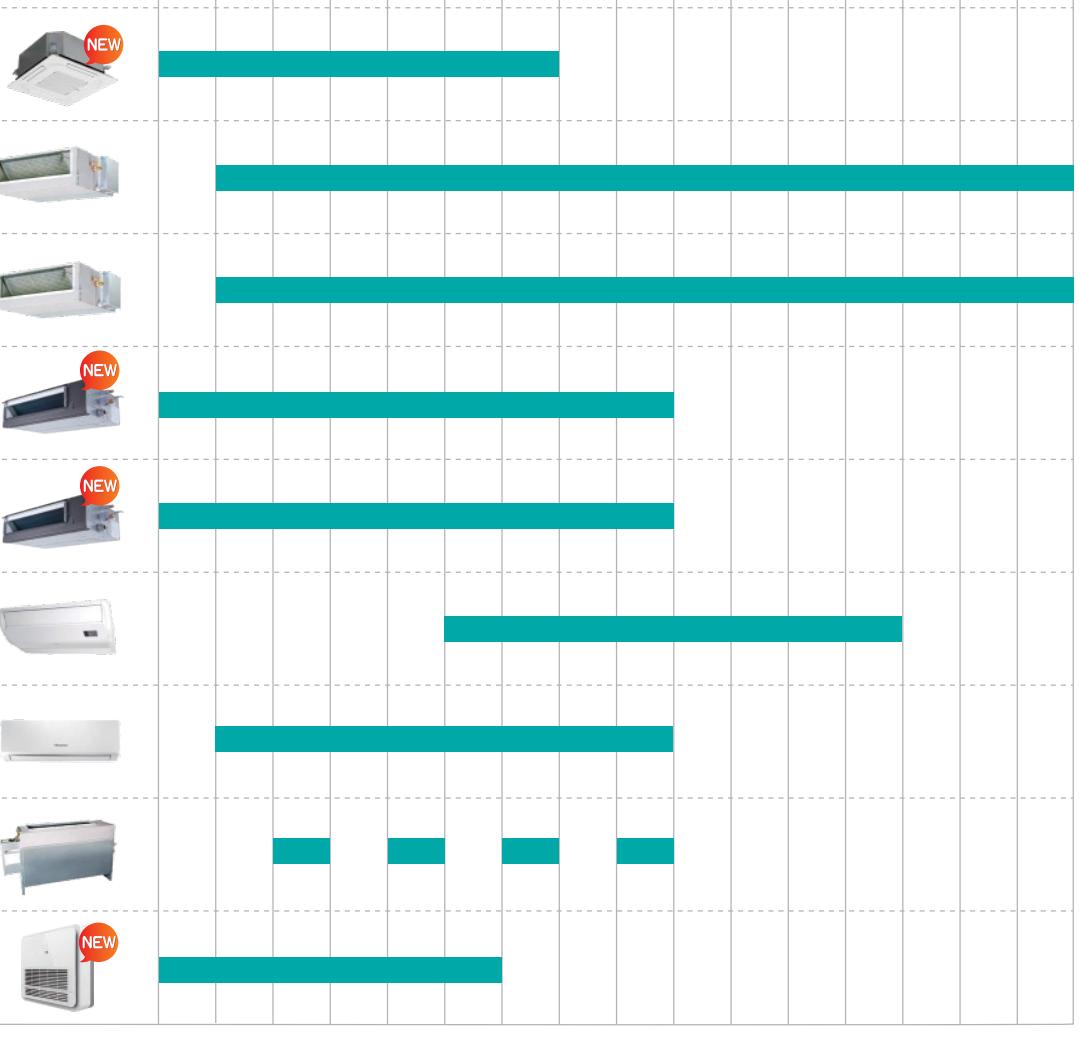
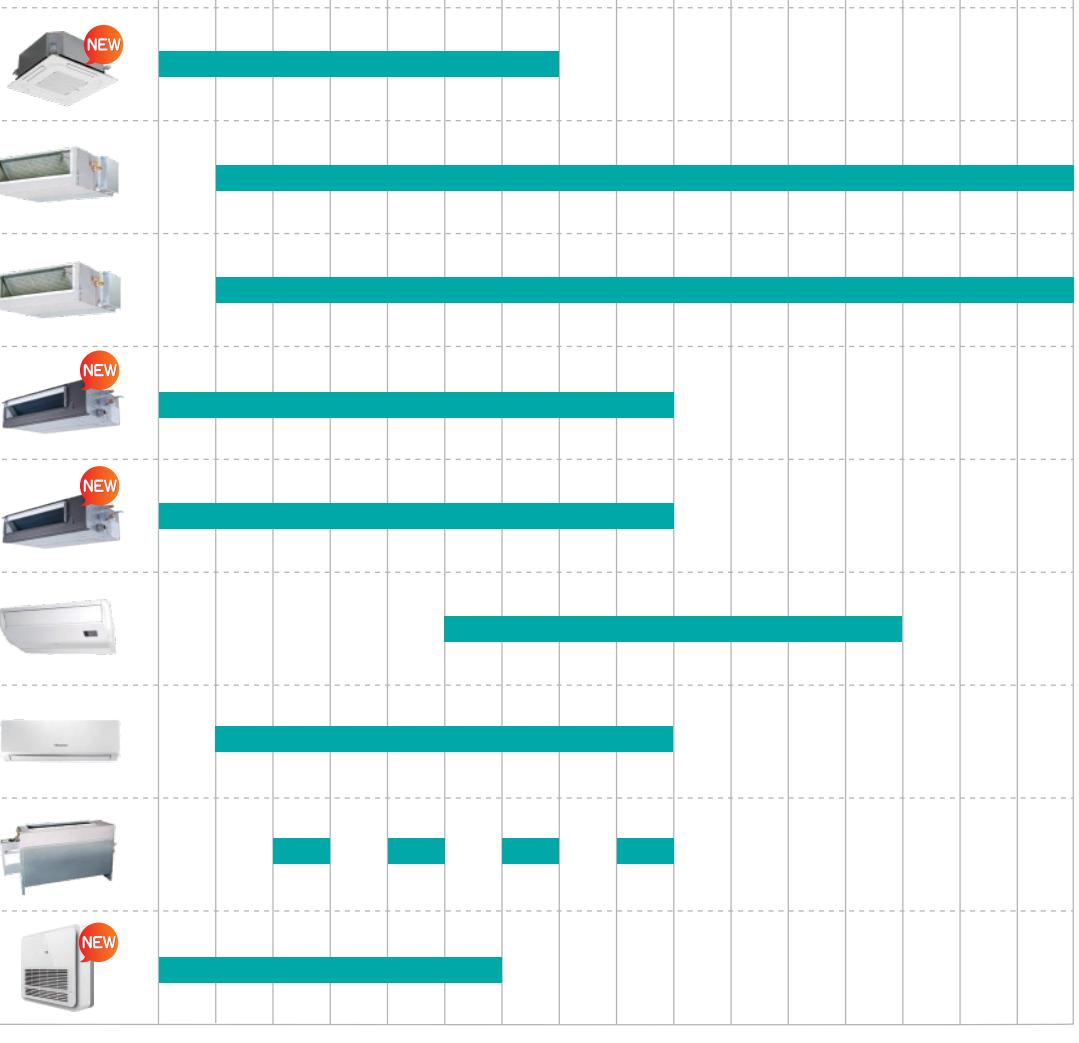
## Hisense

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CE CB 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.





FOUR MODULE  
COMBINATION  
UP TO  
**112HP**

THE SINGLE UNIT  
CAPACITY UP TO  
**28HP**

- G-type heat exchanger, more efficient
- Patented 360° refrigerant cooling tech.
- 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

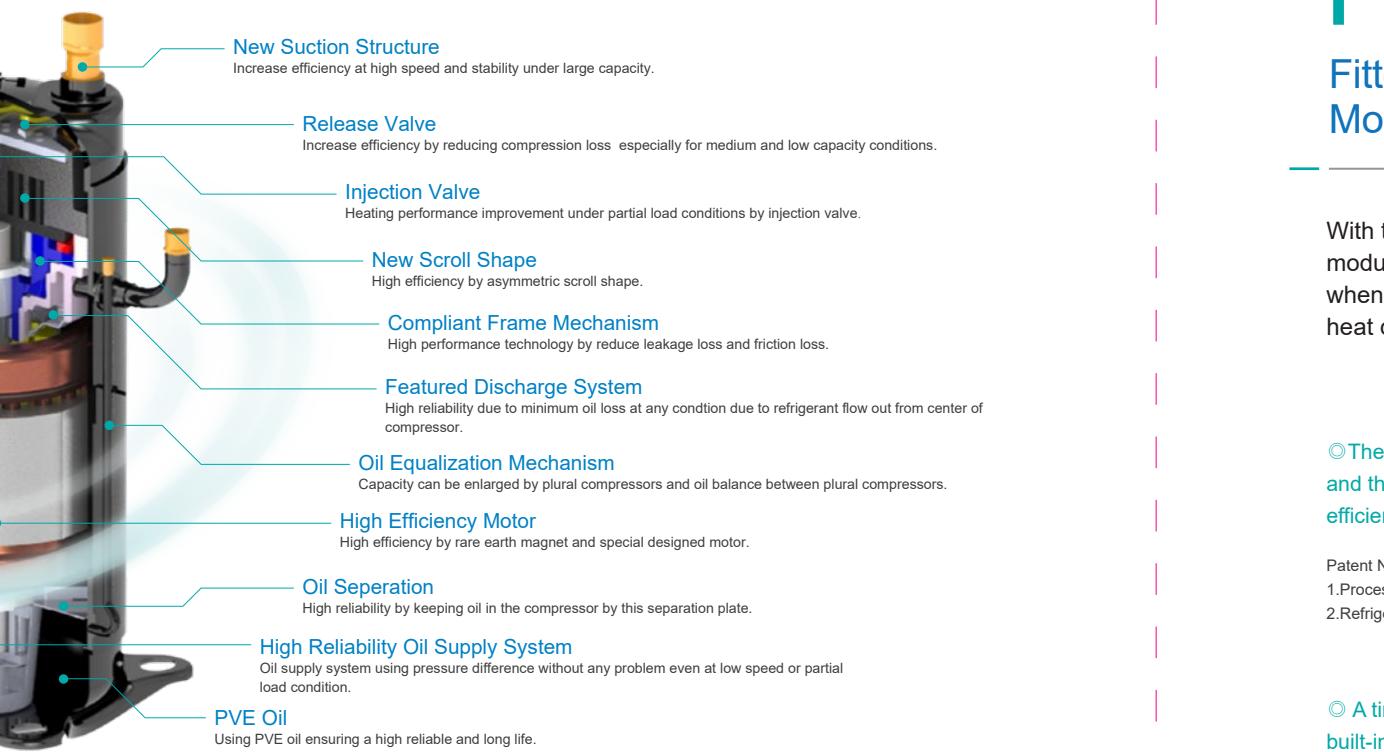
- Patented 360° refrigerant cooling tech.
- Full DC large module, Max. 112HP combination
- Multiple oil control technologies available
- Wide operating range, precise temperature control
- Static pressure of outdoor unit is up to 110Pa
- Flexible installation and easy commissioning

## 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<sup>\*1</sup>. 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

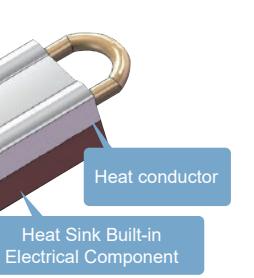
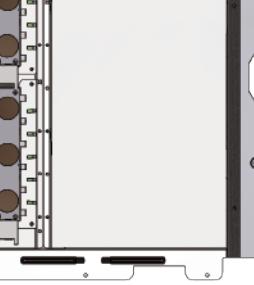
With the patented 360° refrigerant cooling technology, Hi-FLEXi S Series will remove the heat from the main PCB, inverter module and outdoor unit's electrical box stably and efficiently. It can help to improve the electrical reliability of the unit when it is running under high ambient. This ensures 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



### Rapid Heating Under Low Temperature

When the Hi-FLEXi S Series is running at a low outdoor ambient of  $-15^{\circ}\text{C}$ , the outdoor temperature of the indoor unit can reach up to  $40^{\circ}\text{C}$  or higher<sup>\*2</sup> 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:  $-15^{\circ}\text{C}$ (dry bulb),  
Relative humidity:75%,  
Indoor unit suction temperature: $20^{\circ}\text{C}$ (dry bulb), high air volume.

Length of indoor/outdoor pipe:6 meters,  
Measurement site: laboratory constant temperature.

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

