

Hisense

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Hisense VRF



Hi-FLEXiS mavo

Cooling Only



Reimagine your solution



Hisense SINCE 1969

Hisense is a well-known large-scale electronic information industrial group. With strong emphasis on technology and innovation, its efficient technological innovation system firmly grounds Hisense at the forefront of its peers. At present, Hisense brand family has expanded to include multiple famous brand Hisense, Toshiba, Gorenje and ASKO.

SINCE 1969

BUSINESS LAYOUT

Multimedia

- TV and Display Devices
- Internet TV Operation
- Mobile Communication Devices
- Optical Communication Devices
- Chip



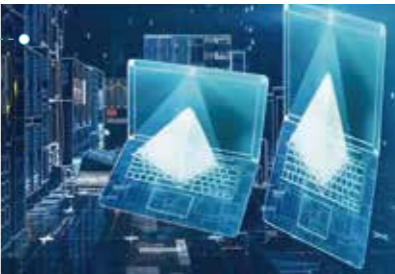
Household Appliances

- Refrigerator
- Freezer
- Air-conditioner
- Washing Machine
- Kitchen Appliance



IT Smart Systems

- Smart City
- Smart Community
- Smart Transportation
- Smart Business
- Medical Electronic Devices
- Smart Home System and Service



Real Estate & Modern Services

- Real Estate
- High-end Plaza Chains
- Mould Design and Manufacturing
- Finance
- Trade



GLOBAL HISENSE SINCE 1969

Hisense has started a long-term sports marketing strategy to increase brand awareness worldwide. After the successful sponsorship of **UEFA EURO 2016&2020** and **FIFA WORLD CUP 2018**, Hisense has made clear its focus on football. And now, Hisense becomes the official partner of **FIFA WORLD CUP 2022**.

2014



Official Sponsor of the Australian Open

2015



Team Supplier to Red Bull Racing

2016



Official Partner of UEFA EURO 2016

2018



Official Sponsor of the 2018 FIFA World Cup

2020



Official Partner of UEFA EURO 2020

2022



Official Sponsor of the 2022 FIFA World Cup



Hisense HVAC MANUFACTURING BASE

Qingdao Hisense HVAC Equipment Co. Ltd. is a leading manufacturer of heating, ventilation, air conditioning and other HVAC equipments, integrated with the product development, manufacturing, sales and after-sales service as a whole.

Hisense HVAC always regards product technology research and development as the most important value. With strong ability of technological innovation, Hisense HVAC has participated in the formulation and revision of 86 national standards, industry standards and association standards, and boasts 1440 authorized patents in the field of CAC and heat pump products. With the great support of all shareholders and customers, Hisense HVAC is expected to become the leading brand in the industry.

Note: The above data is as of Dec. 31th, 2022.

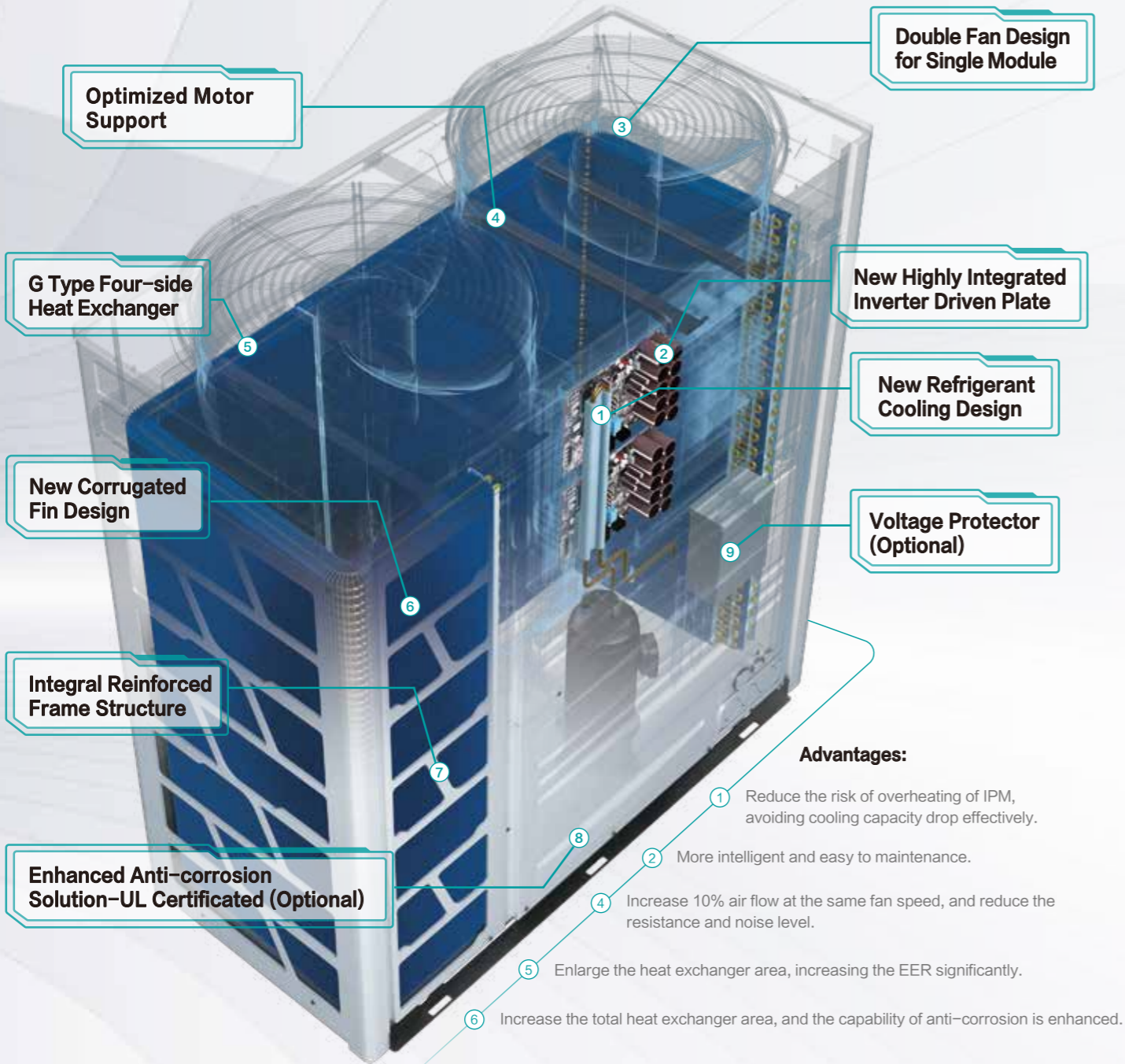




Contents

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Brand-new Upgrade



New Structure

New structure with integrated sheet metal shell is developed. While achieving more beautiful appearance, the frame is more firm and anti-impact. Meanwhile, the G type four-side heat exchanger is newly applied.

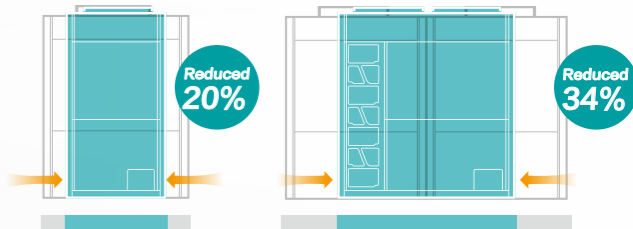
Capacity of Single Module Increased up to 28HP

For the single module (from 14HP to 28HP), new four-side all round heat exchanger and double-fan design ensure a good heat exchange performance. New single modules ranging from 18HP to 28HP are available, and combined modules' capacity is increased up to 112HP, which can better meet the demands of large projects.



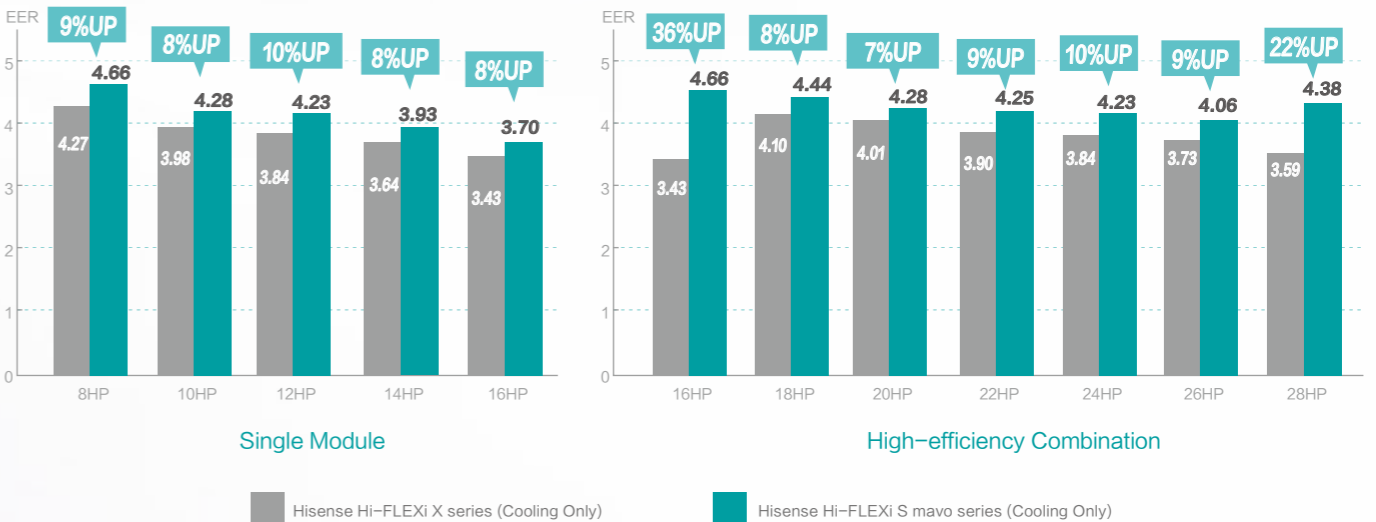
Compact Body Design, Reduced Footprint

There is less limit of installation thanks to its compact body design. Taking 12HP single module as an example, the footprint is reduced by 20%. While for the unit of 28HP, the footprint is reduced by 34%.



Enhanced EER

Through the optimization and upgrading of key components such as compressor and heat exchanger, as well as the state-of-the-art technologies application, the overall energy efficiency of S mavo series cooling only unit has been increased by up to 10%. What's more, a new high-efficiency lineup is available through optimized module combination, ensuring a higher efficiency operation.



High Reliability

COOLING ONLY



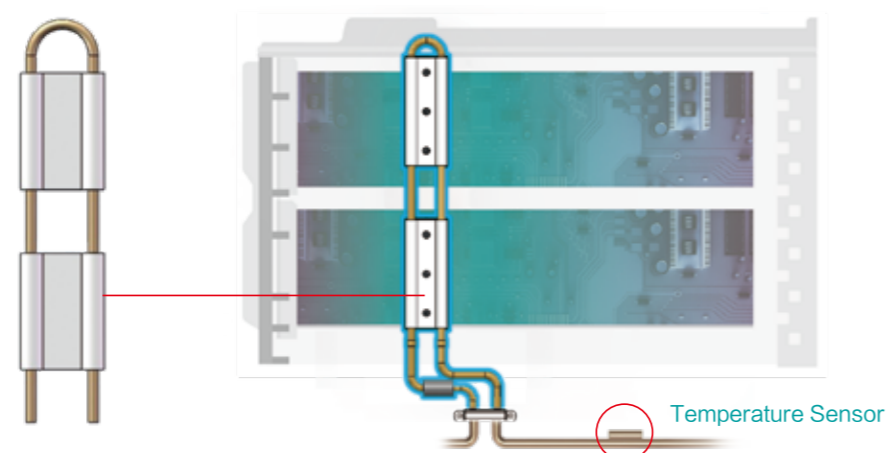
- Patented 360° Fitted Refrigerant Cooling Technology
- Triple Backup Operation
- Automatic Restart
- Independent Maintenance of Indoor Units
- Oil Balance
- Enhanced Anti-corrosion Solution (Optional)
- Insect Protection of Electrical Box
- Condensate Water Leakage Protection
- Double Rotative Operation
- Wider Operation Temperature
- Voltage Protector Reserved (Optional)

COOLING ONLY

Patented 360° Fitted Refrigerant Cooling Technology

Hi-FLEXi S mavo cooling only unit uses refrigerant cooling technology to cool the electrical control box. It overcomes the poor heat dissipation and high ambient temperature issues to maintain efficient operation even at harsh environment. Compared with air-cooled technology, the temperature inside the electrical box can be reduced by up to 20%*. Moreover, the refrigerant cooling kit adds a temperature sensor, which could be more precise to control the refrigerant cooling temperature and ensure the whole reliability.

* The data is based on the S mavo cooling only unit under low fan speed operation.

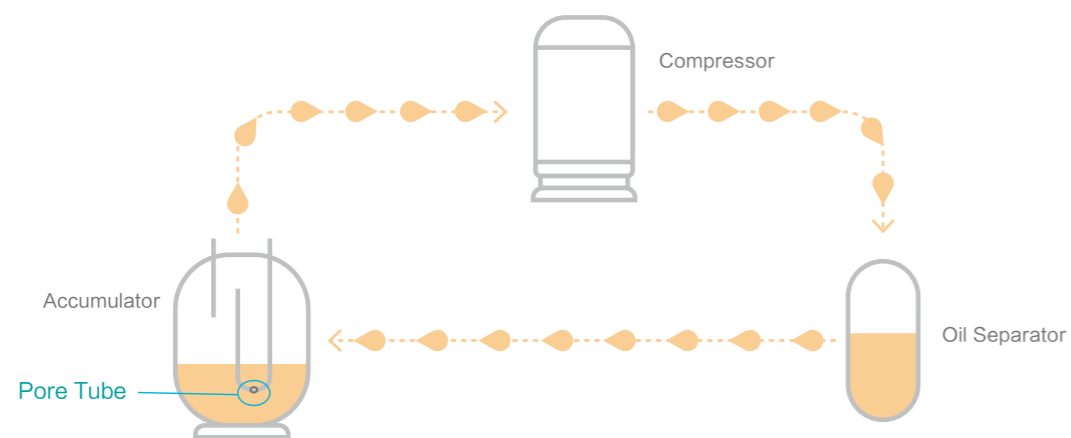


Oil Balance

Oil Return

The accumulator adopts pore tube oil return technology with a built-in fine strainer, which not only ensures oil balance between compressors within one module, but also plays an important role in the oil balance between modules.

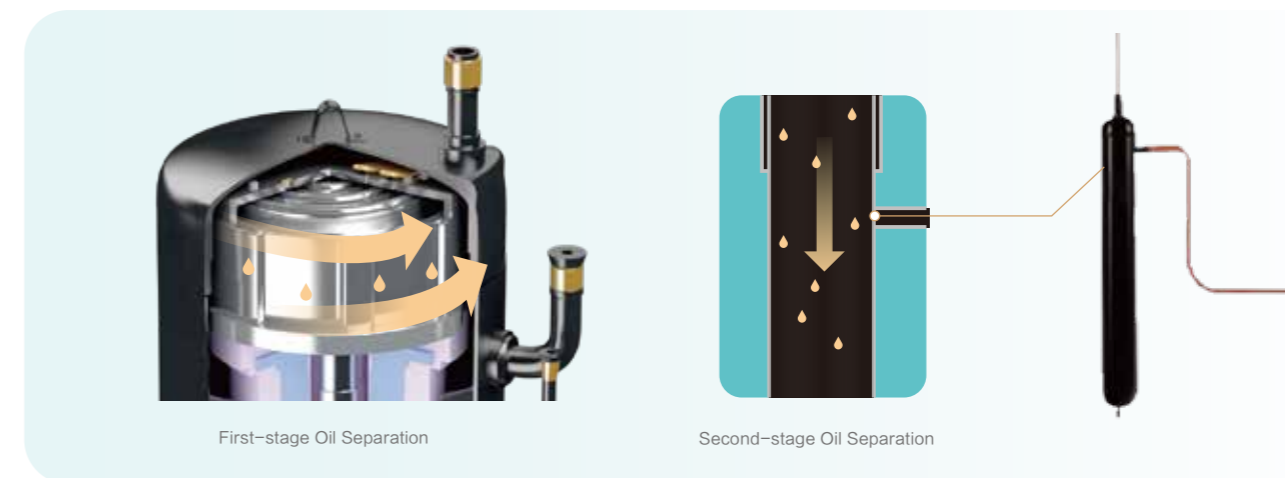
Besides this, the system implements oil-return function based on compressor frequency and corresponding operation time. The oil-return takes 60 seconds and can return to previous condition when finished.



Oil Separation

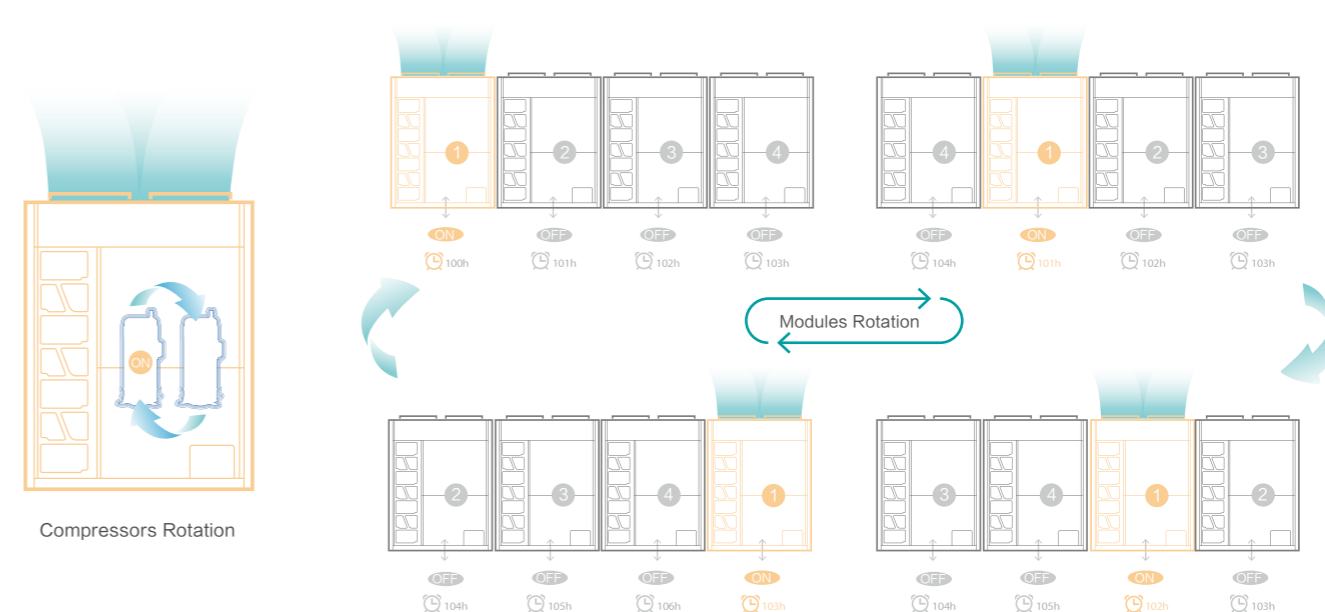
First-stage oil separation is realized through efficient oil separation structure inside the high-pressure-chamber compressor. Only a small amount of oil is brought out of the compressor.

During the second-stage oil separation, the small amount of oil discharged from compressor is separated by a large-capacity, high-efficiency centrifugal oil separator, with efficiency over 99%.



Double Rotative Operation

The double rotative operation technology will effectively balance the operation time between the modules and balance the time between the compressors of the single module, which prevent the occurrence of individual unit overworked and hence extending the overall operating life of the overall system.



Triple Backup Operation

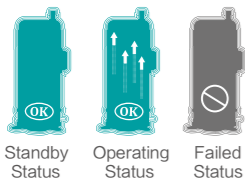
Module Backup Operation

If one module in a combination system malfunctions, the other ones can still keep working to ensure an emergency operation until service and repair.



Compressor Backup Operation

In the single module system equipped with two compressors, if one compressor malfunctions, the other one can provide emergency operation. In the combined modules, if the compressor in one module goes wrong, the other modules can provide emergency operation. Thus a stable and continuous operation can be ensured thanks to the backup of compressors.



Compressor Backup



Outdoor Unit Backup

Fan Backup Operation

For the module equipped with two fans, if one fan breaks down, the other one won't be influenced, the module can still keep working.



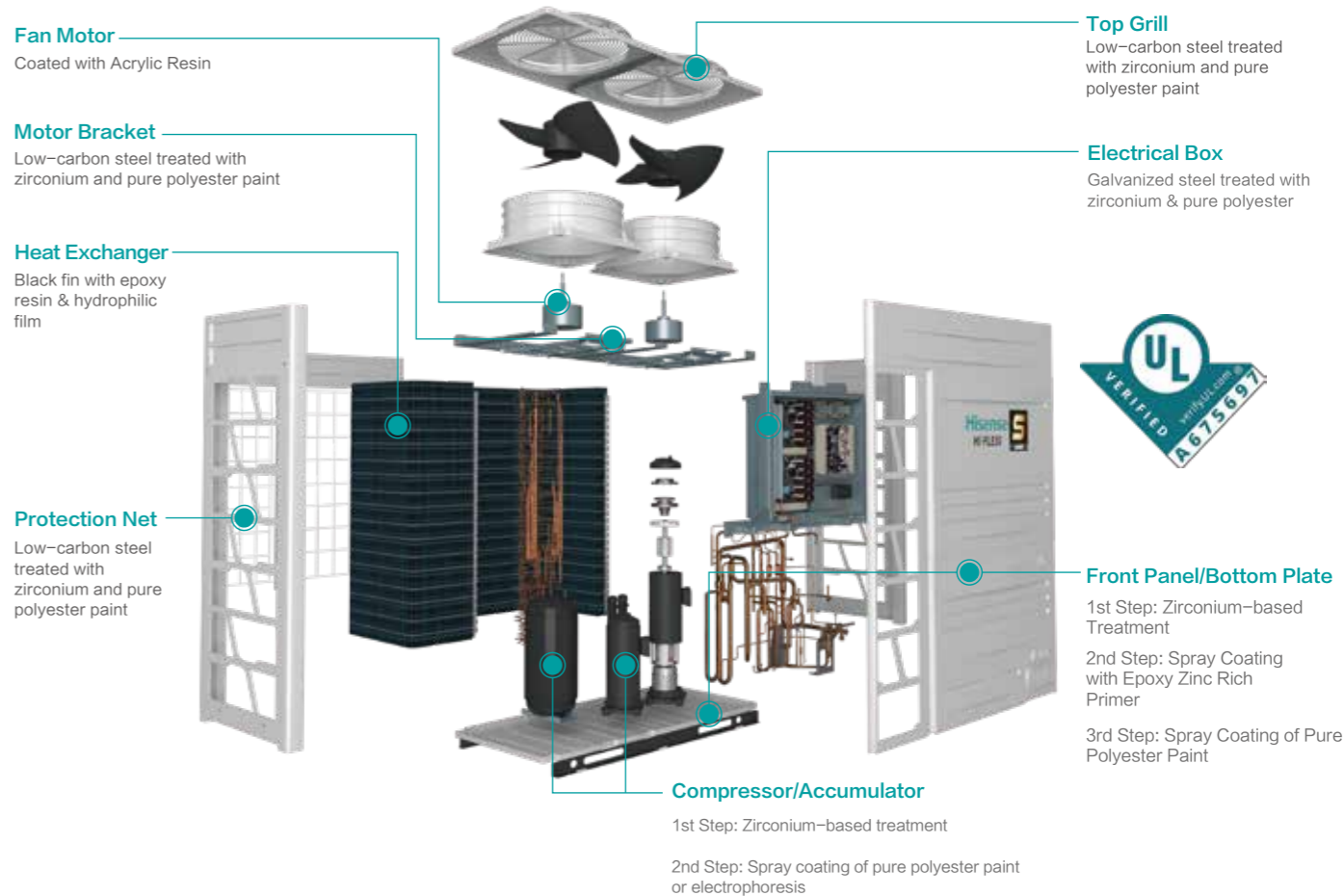
Single Module System



Combined Modules System

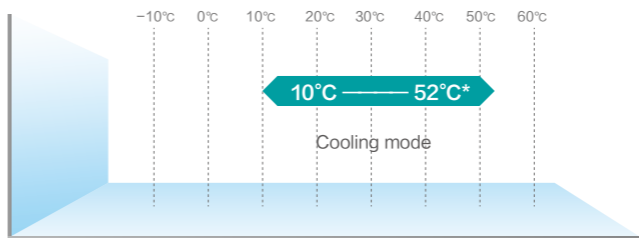
Enhanced Anti-corrosion Solution (Optional)

The complete corrosion-proof solution of S mavo series cooling only unit is your optimal choice when it comes to seaside and chemical factory applications, providing ultimate comfort without sacrificing life span and lowers maintenance cost simultaneously. Besides the heat exchanger, components from top to toe are treated with effective treatments, and the Hisense anti-corrosion solution has already got the UL certification.



Wider Operation Temperature

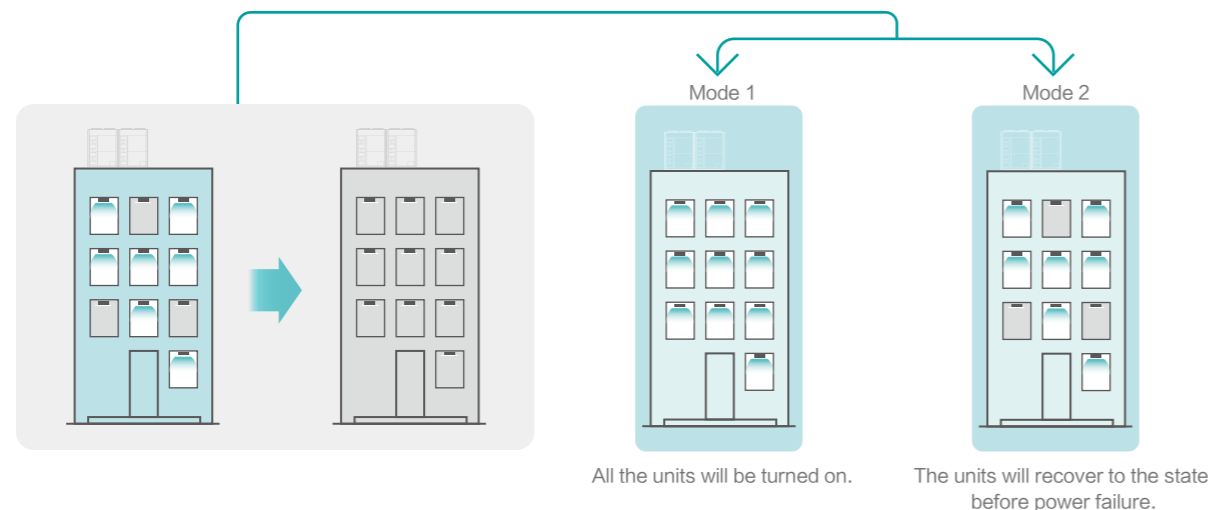
Extended operation range creates wider application potential. Hi-FLEXi S mavo series cooling only unit can working stably from 10°C to 52°C, which adapts to many extreme conditions.



Note: When the ambient temperature is between 48°C to 52°C, the system may be in intermittent operation state. Please consult with local engineers.

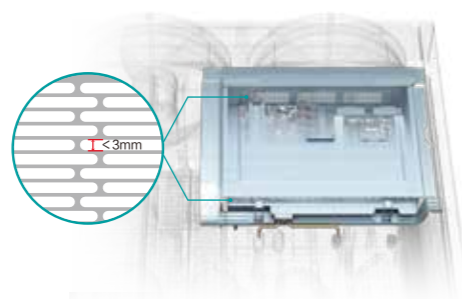
Automatic Restart

Hisense indoor units are capable to restart automatically to the previous state whenever the power supply is shut off suddenly and restores immediately. When there is long power shortage, the default setting is to keep all the indoor units off when the power restores. Also there are two other settings for users' choice, recovering to the state before power failure or restarting all the indoor units.



Insect Protection of Electrical Box

The electric box is well designed. It can effectively prevent small insects from entering while ensuring good heat dissipation. The gap of the heat emission hole is less than 3mm.



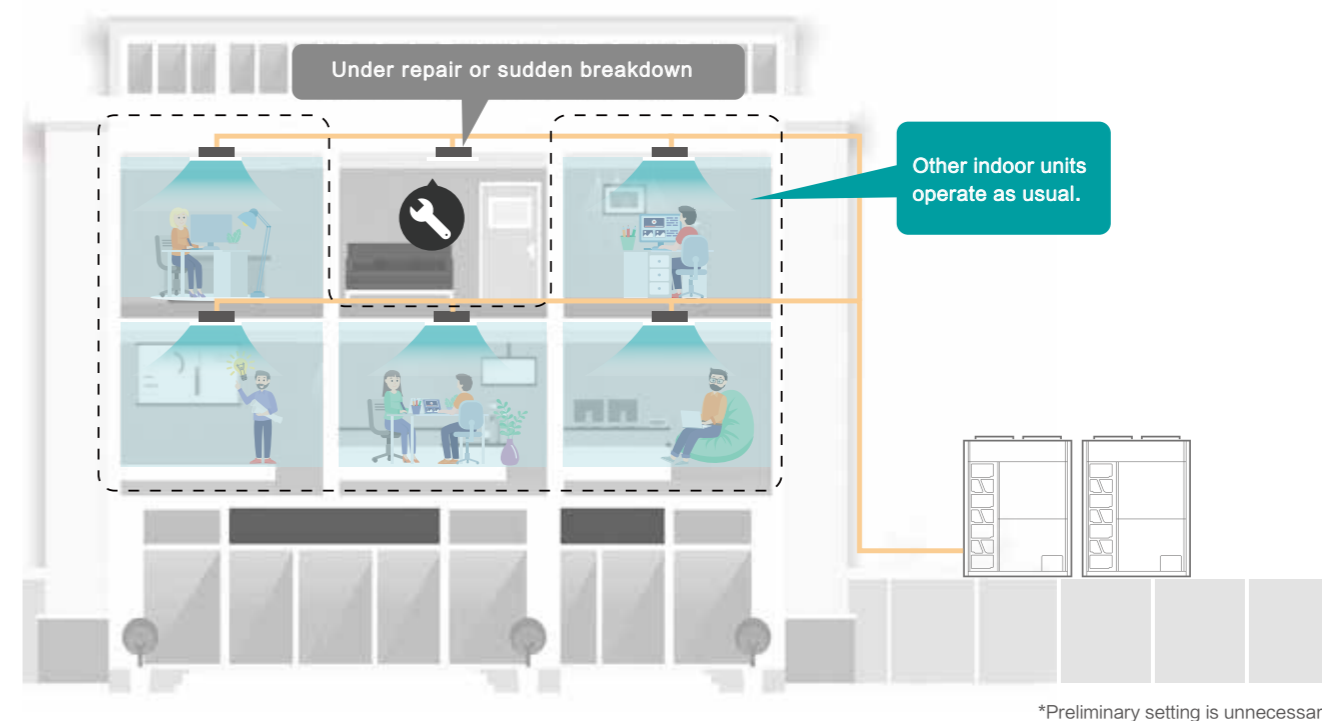
Voltage Protector Reserved (Optional)

Too low or too high voltage can easily cause damage to electronic components. Hi-FLEXi S mavo series cooling only unit has reserved the space for assembling the voltage protector, which can be an effective solution to protect outdoor units from any voltage spikes. The power supply of outdoor unit will be automatically cut off when there is abnormal voltage, and will be restored when power supply returns to normal after 30s. Meanwhile, it's helpful for checking the phase sequence error or phase loss according to the indicator lights, convenient for commission and maintenance.



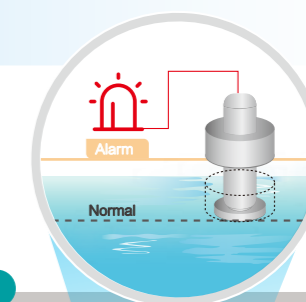
Independent Maintenance of Indoor Units

To maintain the whole system's continuous operation even when there is a breakdown occur within a system, Hi-FLEXi S mavo series cooling only system is capable to isolate the malfunction unit from the others while conducting restoration and maintaining continuous operation of other units simultaneously.

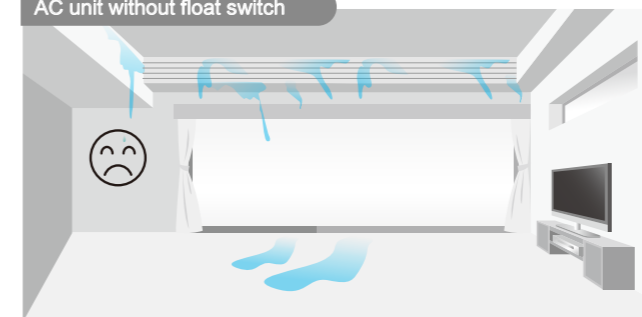


Condensate Water Leakage Protection

Indoor units have built-in water-leakage float switches. Alarming warning will be displayed on the controller when condensate reaches a certain level. Save your ceiling and carpet from being soaked in time when drain pipe is clogged or drain pump breakdown.



AC unit without float switch



Hisense VRF



High Efficiency

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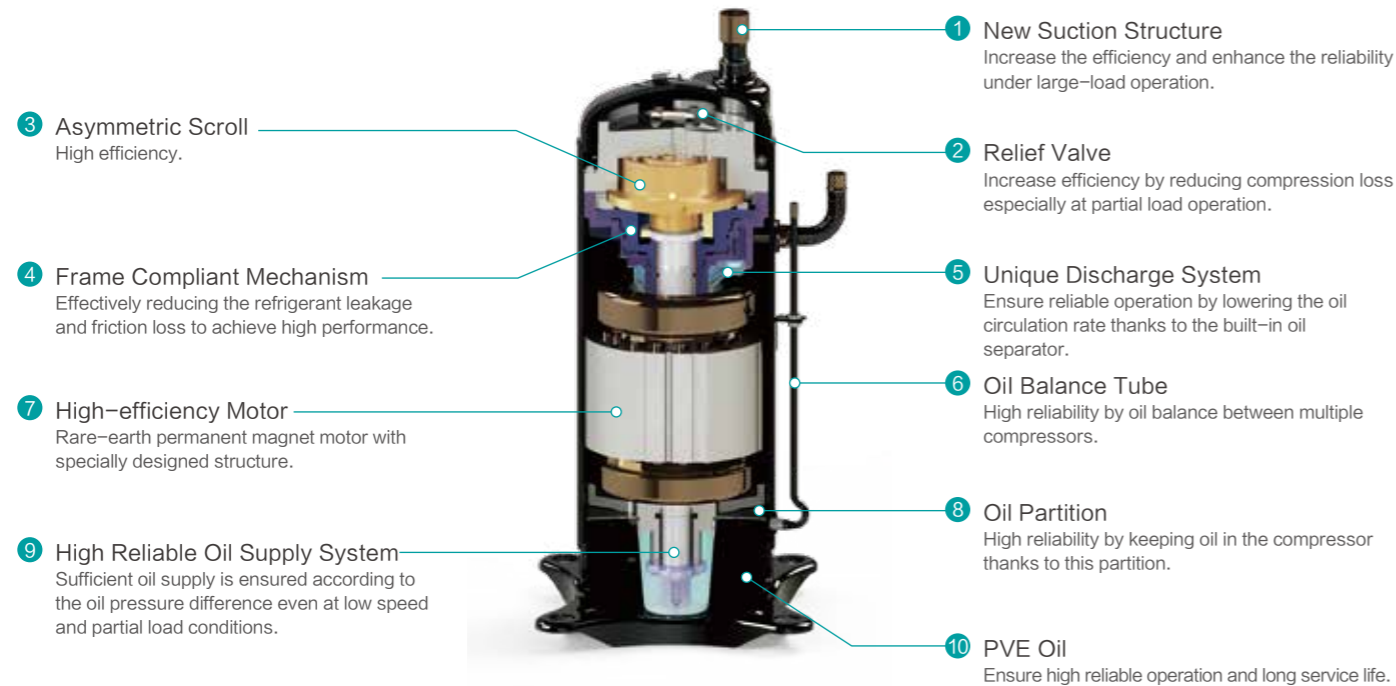


- High-efficiency Compressor
- Auto Refrigerant Temperature Control (ART)
- New Heat Exchanger Design
- High-efficiency Subcooling Technology
- Stepless Fan-speed Control

COOLING ONLY

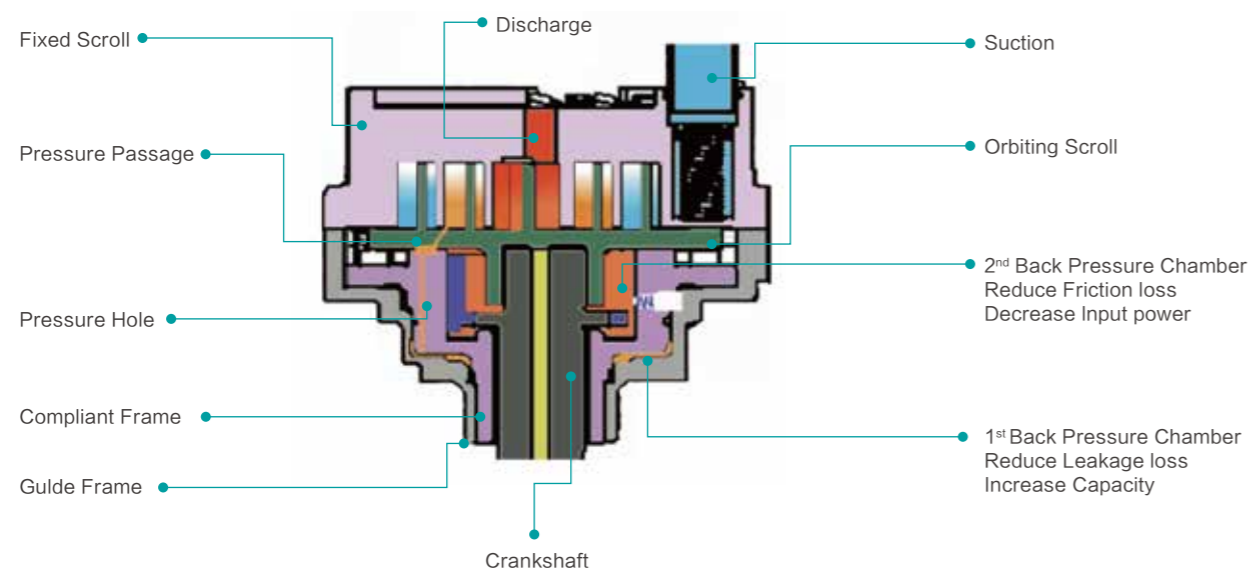
High-efficiency Compressor

Hi-FLEXI S mavo series cooling only unit adopts a new generation of scroll compressor, and it has an excellent mechanism called as FCM (Frame Compliant Mechanism) which will optimally increase the performance of the whole compressor, especially for operation under low load.



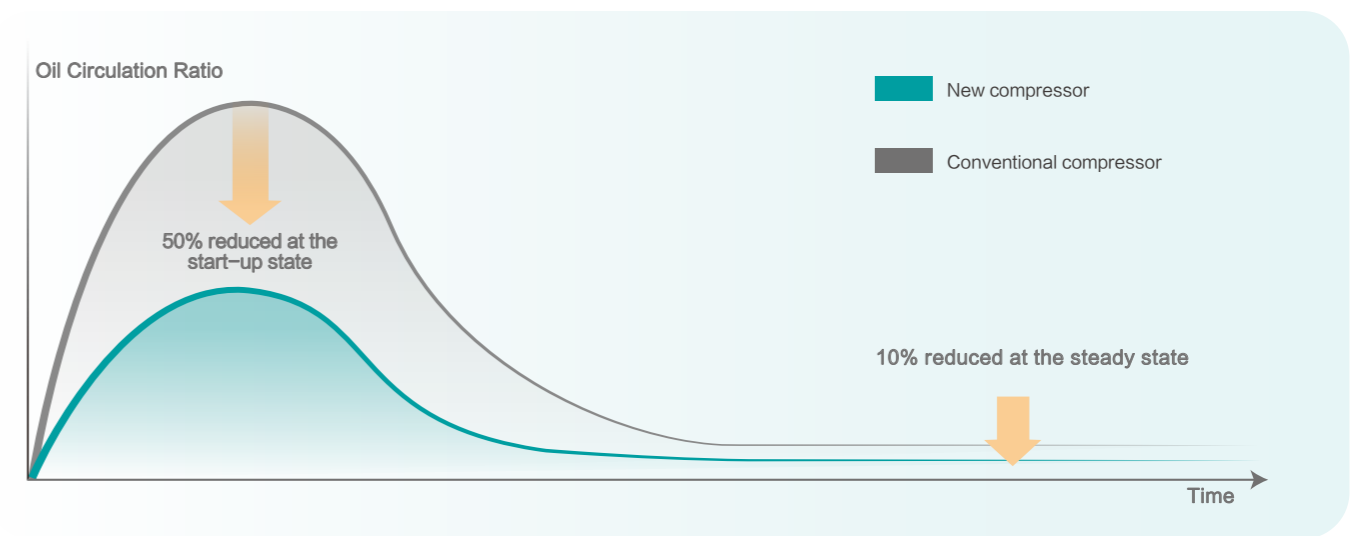
Two-stage Back Pressure Control

There are two-stage back pressure control mechanism inside the compressor. The back pressure could force the tightness between movable and static scrolls, reducing the refrigerant leakage during low-load operation and ensuring a stable and efficient low-load operation.



Low Oil Circulation

Oil remaining in the piping system can cause performance drop. The new compressor has a special structure design called "oil cup" for reducing the percentage of oil circulation outside the compressors. The oil circulation ratio for the new compressor can be reduced by 50% and 10% during the start-up and stable working stage respectively, compared to conventional compressor.



Auto Refrigerant Temperature Control (ART)

Hisense VRF system featured with ART technology can meet the indoor loads more accurately at a higher efficiency. The system adjusts the evaporating temperature(E_t) according to actual indoor loads automatically in a wide range. The E_t is raised to minimize the difference with the condensing temperature when the air-conditioning load is low, thus further improving the energy efficiency.

Features:

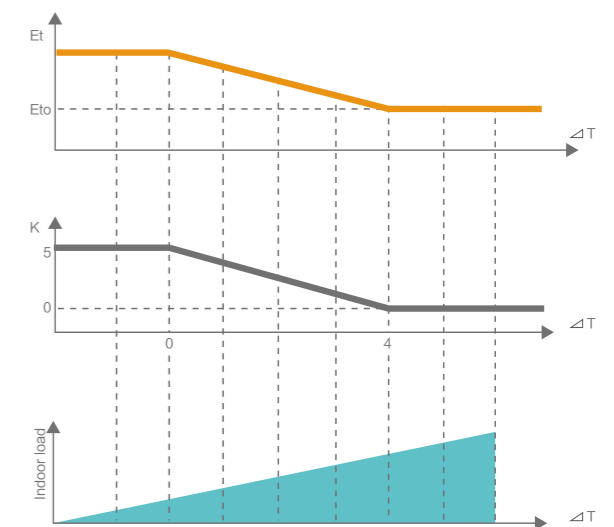
- 1) Energy efficiency is improved without sacrificing comfort.
- 2) ART is particularly efficient under low-load operation.
- 3) The initial evaporation temperature can be adjusted between 2–11°C, which is the widest in the market.
- 4) Realize rapid cooling with lower evaporating temperature.
- 5) Avoiding cold draft with higher evaporating temperature.

$$E_t = E_{to} + K$$

E_t : Evaporation temperature

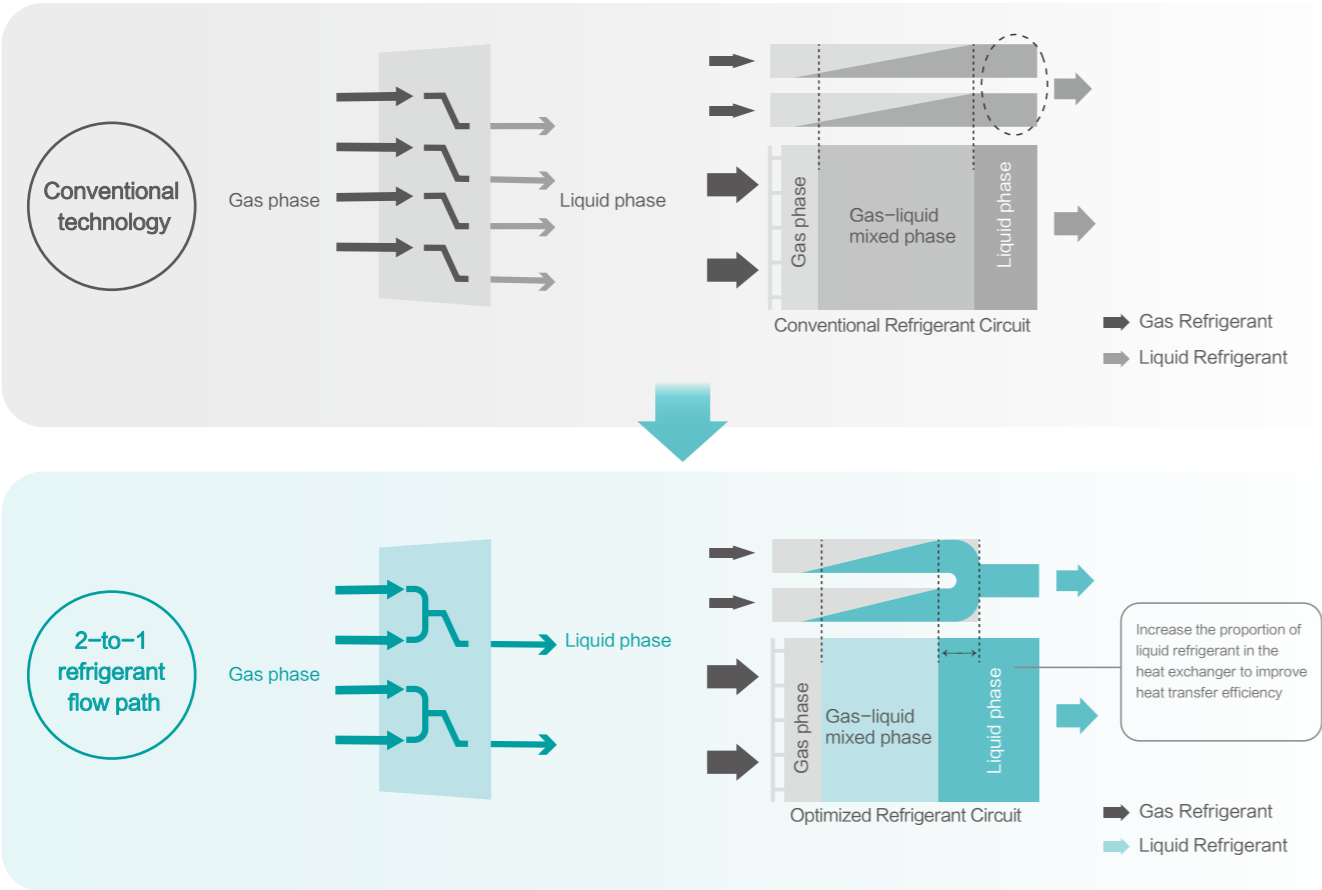
E_{to} : The initial evaporation temperature

ΔT : The temperature difference between air inlet and the setting temperature



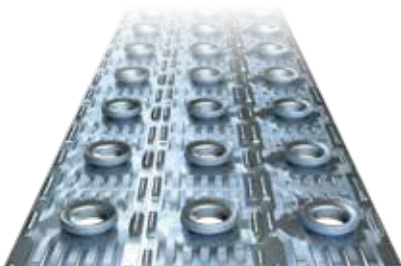
New Heat Exchanger Design

Optimized Refrigerant Circuit

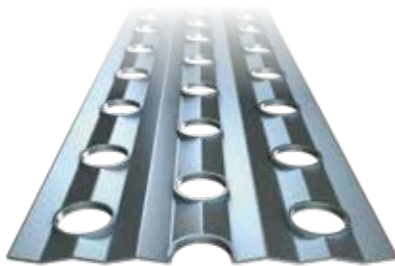


New Advanced Corrugated Fin Design

The new advanced corrugated fins are applied in the heat exchanger. With this new design, larger amount of fins can be allocated into the heat exchanger, increasing 21% heat exchange surface area. Also the air flow resistance is largely reduced by 20%, thus the heat exchange efficiency is improved greatly.



Last Generation Fin

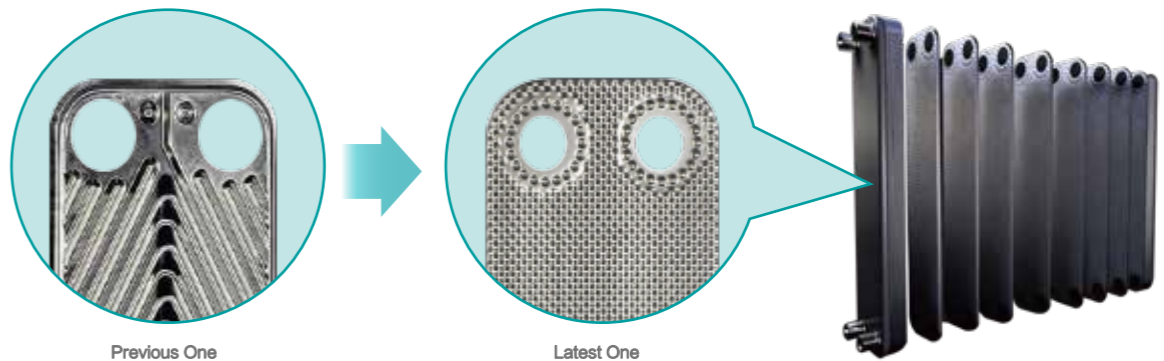


Latest Corrugated Fin



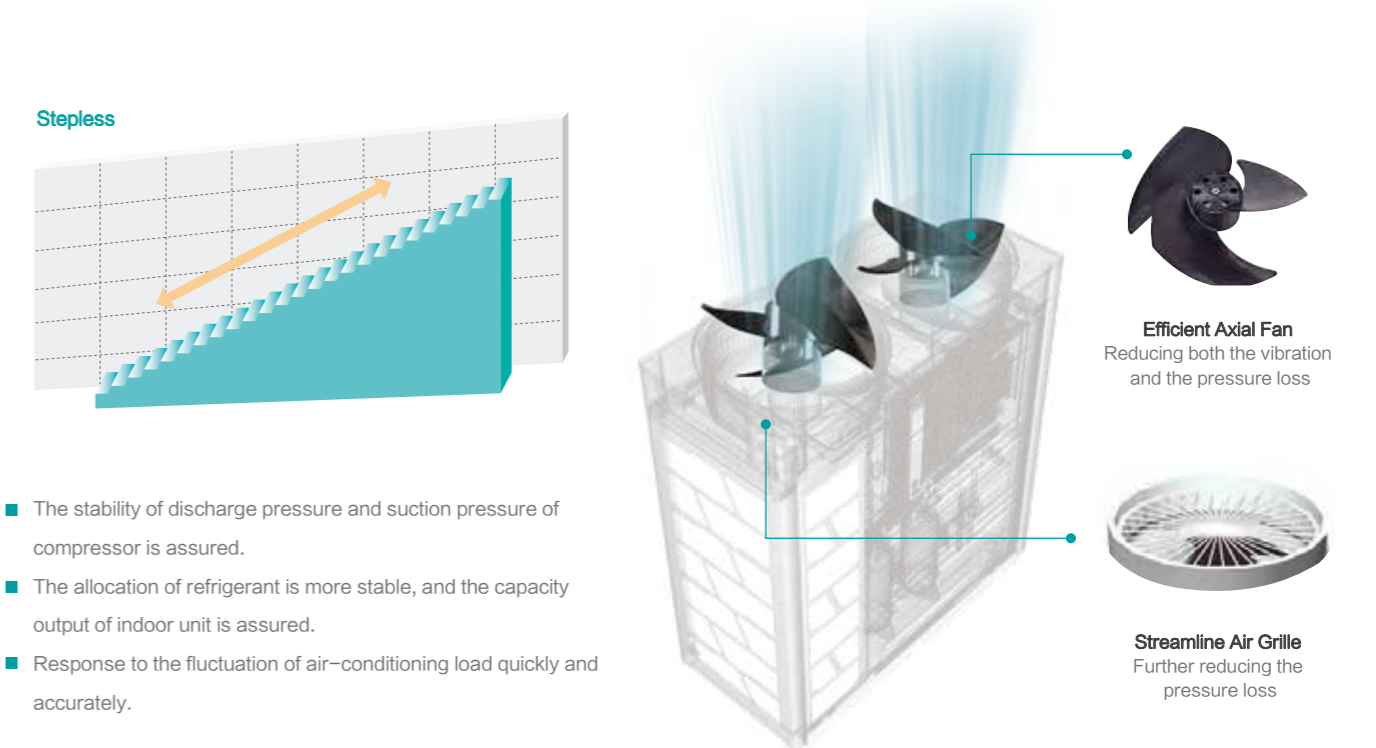
High-efficiency Subcooling Technology

Hi-FLEXi S mavo series cooling only unit adopts new high-efficiency plate heat exchanger while heat exchange capacity increased by 35% and the volume of the plate heat exchanger is decreased by 65.5% under the same heat exchange capacity, compared with the conventional one. Together with the optimized heat exchanger, the total subcooling of the system can be up to 27°C.



Stepless Fan-speed Control

The DC inverter motor equipped in the outdoor unit can realize stepless fan-speed adjustment to ensure system efficiency and stability. Hi-FLEXi S mavo series cooling only unit optimizes the motor support structure, which can increase 10% air volume at the same speed and reduce the noise greatly.



Comfort

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- VIP Mode
- Precise Temperature Control
- Top Class Low-noise Control
- Clean and Fresh Air
- Smart Air Flow

COOLING ONLY

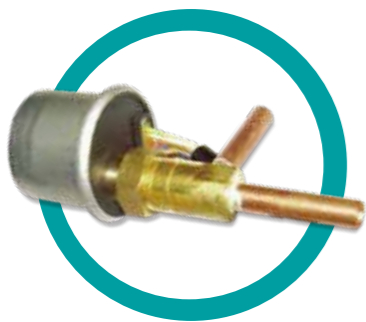
VIP Mode

Hisense VRF offers VIP mode to give priority to the specific room, keeping them comfortable and satisfied as fast as possible and 5 indoor units can be set as VIP mode at the same time. Such function is exclusively practical for hotel application, where air conditioners in the presidential suite are often set to VIP mode.

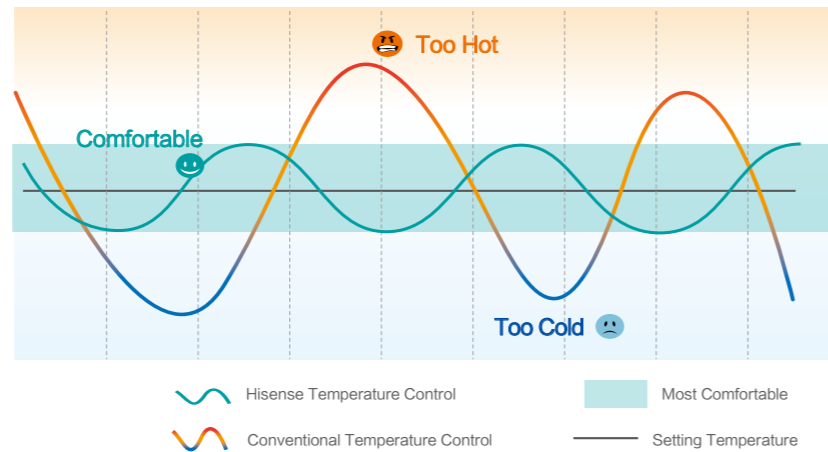


Precise Temperature Control

There are multiple temperature sensors equipped in the system, which will be very helpful to judge the indoor load more accurately. Also the 2000-step EEV is specially adopted to ensure precise refrigerant flow adjustment according to the actual load of indoor units, achieving a more comfortable indoor environment with small temperature fluctuation.



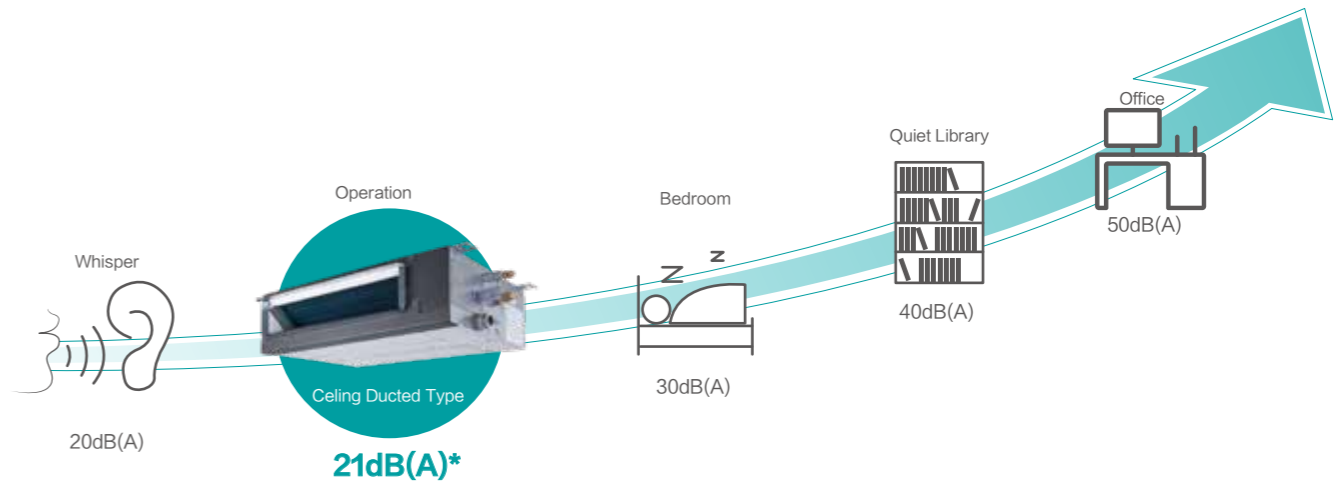
2000-step EEV



Top Class Low-noise Control

Low Noise for Indoor Unit

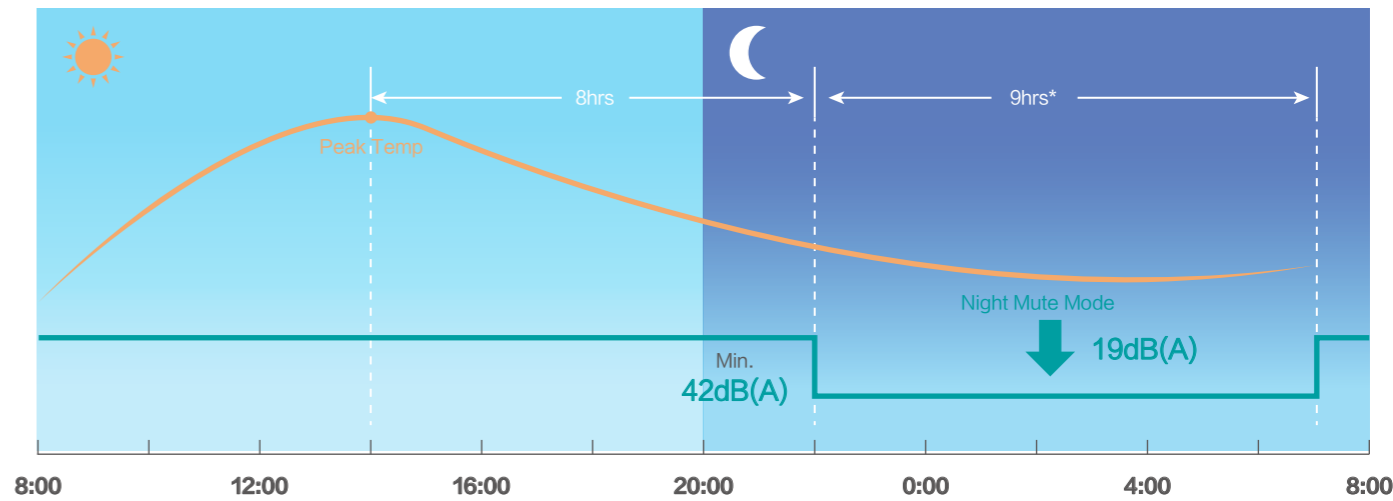
Noise is often a pain in the neck. Hisense indoor units can provide more quiet environment to users, with sound pressure level as low as 21dB(A), which perfectly blends into library, auditorium and hospital room where require sound level lower than 25dB(A).



* The DC ceiling ducted type (AVE-05HJFDL) can achieve the 21dB(A) under the standard test condition.

Outdoor Unit Night Quiet Mode

In general, people are more sensitive to noise at night. To provide more quiet environment, night quiet mode function of outdoor units can be adopted to reduce sound pressure level by up to 19dB(A).



*The night mute mode can last for 8hrs, 9hrs or 10hrs according to the setting. Take AVWT-96CKFSE as an example.

Temp Change Curve Noise Change Curve

Clean and Fresh Air

AirPure

Hisense VRF indoor unit equipped with AirPure kit can release lots of negative ions, about 20 million pcs/cc.

These negative ions are carried throughout the room with air-conditioned air flow whereby obtaining air conditioning and air purification simultaneously. With the AirPure kit, the indoor unit has got the Tick Mark certification for air-conditioning sterilization products.

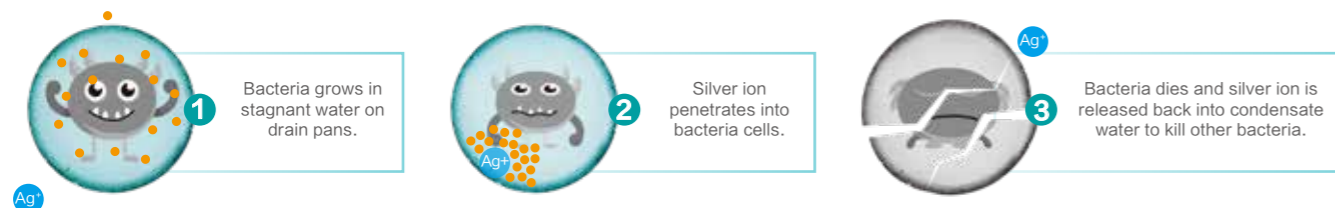


*Take AVE-09HCFRL as the test sample.

Note: 4-way Cassette, Mini 4-way Cassette, Console and Ceiling Ducted can be equipped with the AirPure kit.

Silver Ionizer (Optional)

For Hisense VRF, silver ionizers are optionally infused in indoor units to disinfect drain pans where condensate water constantly stagnant.



Note: 4-way Cassette and Mini 4-way Cassette are available for the function.

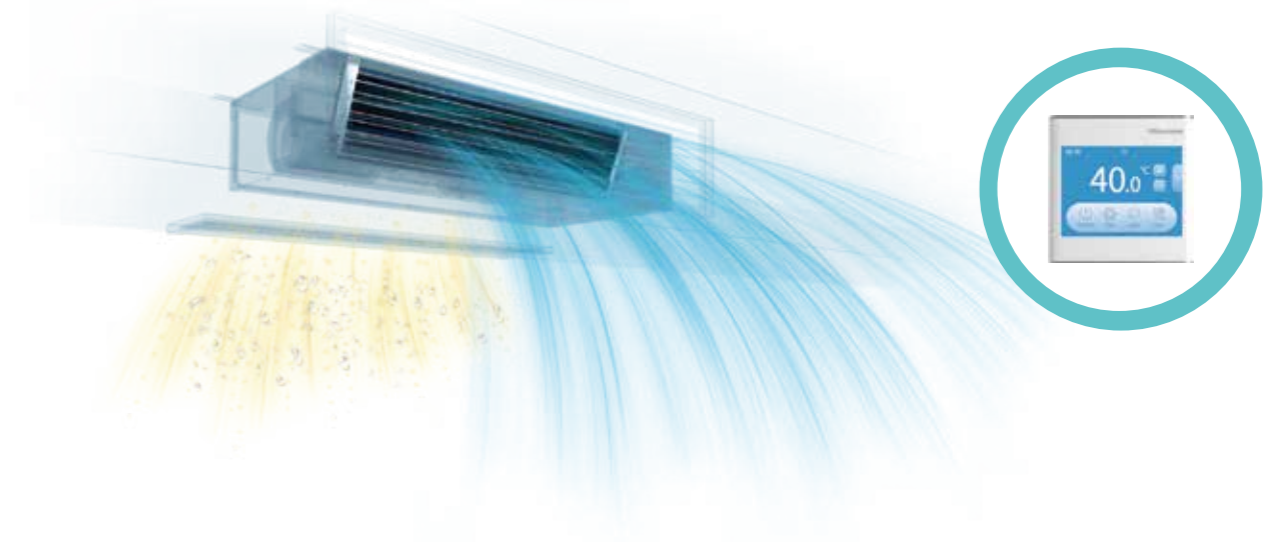
Fresh Air Intake

Hisense VRF indoor units are infused with a fresh air duct opening for 10% free fresh air introductory directly from outdoor air, reducing the need of fresh air systems for medium to small spaces. These indoor units include 4-way cassette, mini 4-way cassette, 2-way cassette, 1-way cassette, AC/DC low height ceiling ducted, low/high static pressure ceiling ducted and console.



Humidity Sensor (Optional)

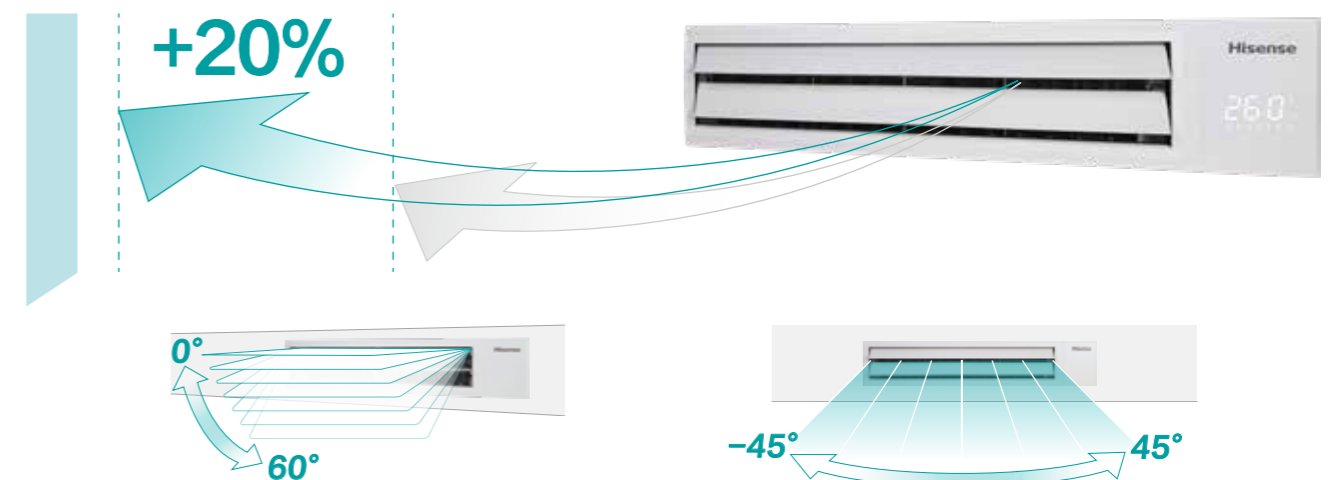
To keep up with the indoor quality requirements, Hisense VRF offers auto dehumidification function and it can be achieved by choosing a humidity sensor, and the control range is from 35% to 90%.



Smart Air Flow

3D Air-flow Panel (Optional)

The panel is an optional accessory for low height ceiling ducted indoor unit. By using Hisense's luxurious looking, smooth, easy to clean 3D air-flow panel, it saves the hassle in buying normal louvers. It has LED temperature and humidity level display which is perfect for various applications. It also has selectable wind setting from normal, 3D and super long distance modes, cool or warm air flows out from the panel according to the wide horizontal and vertical louvers with 7 options.



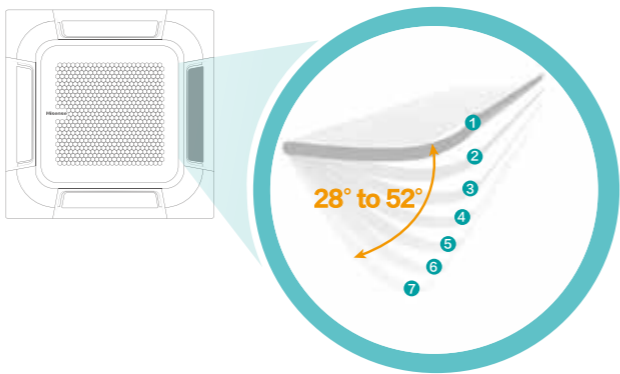
Micro-holes and Breeze Mode

Different regions and country have different preference and personal viewpoint of comfort. Some may prefer cool chilly air from AC unit to cool down the room without wind gushes directly towards their faces or bodies. Hisense VRF's 4-way Cassettes are now designed with micro-holes on every corners on the panels making full use of the whole panel to cool down spaces evenly.



Individual Louver Control

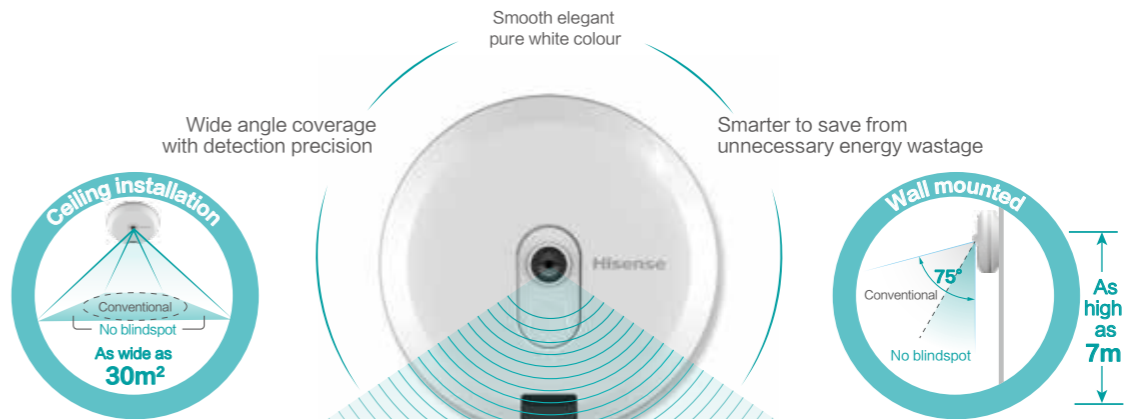
4-way cassette's louvers are now capable of individual control to freely choose how you want your AC unit supplies air according to different needs, applications and installation layout. Each louvers have 7 angle settings with angle range from 28° to 52°.



Hi-Motion (Optional)

With fashionable appearance, Hi-Motion can provide not only a comfortable environment but also energy-efficient operation.

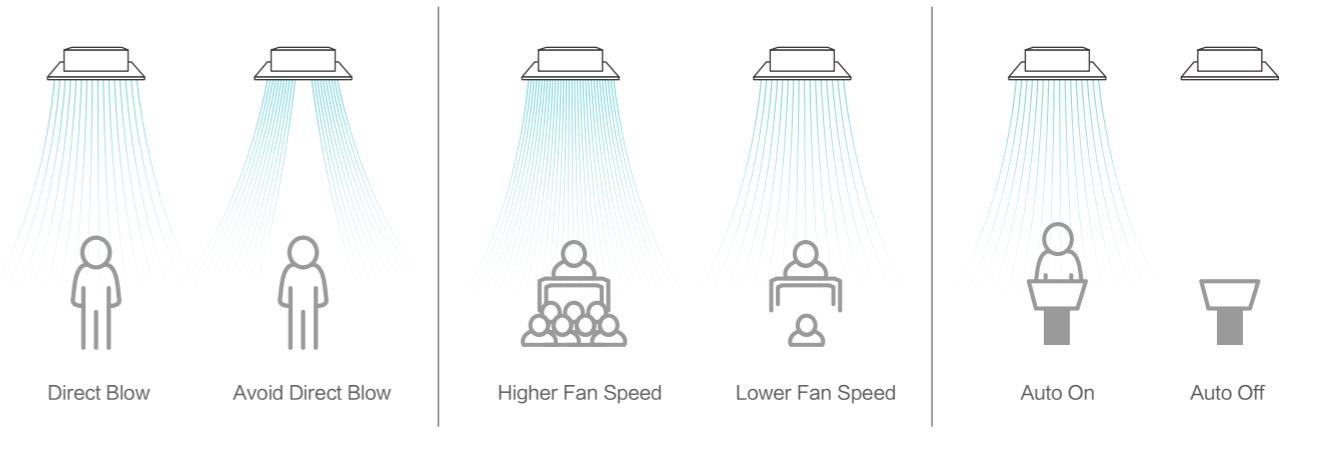
- 1) Automatically stops the unit when no one is in the room in order to realize energy saving.
- 2) Adjusting the setting temperature and air flow according to the actual human activity.



Motion Sensor (Optional)

Motion Sensor can provide a more comfortable environment, and achieve efficient and energy-saving operation of the unit at the same time.

- 1) With the sensor, indoor unit can ON or OFF automatically when people enter or leave the room.
- 2) The people location can be detected by the sensor automatically, and the air flow direction can be set to blow directly or to avoid blowing at people as they like.
- 3) The setting temperature can be changed automatically by detecting the number of people changing.



Flexibility

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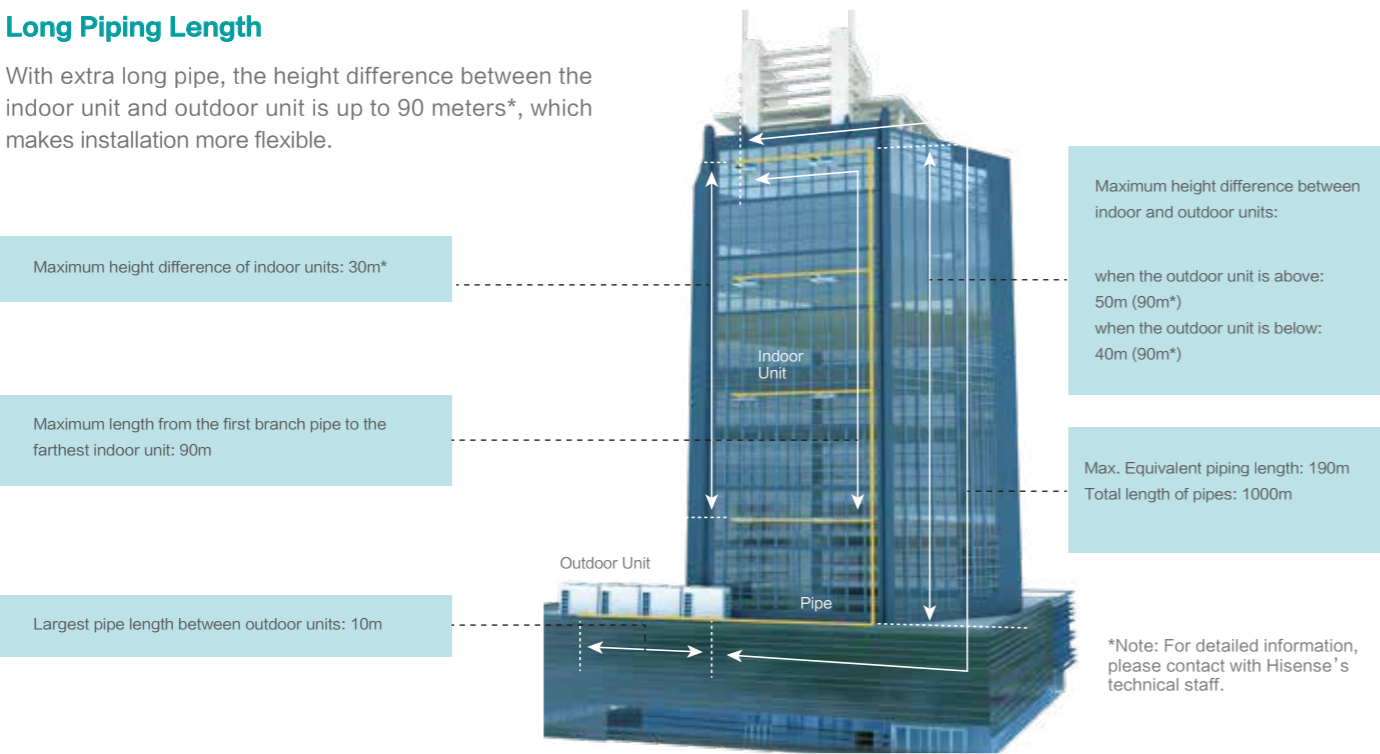
- Flexible System Design
- One-touch Test Run
- Automatically Addressing
- Intelligent System Diagnosis
- Dry Contact Interface
- Safe and Convenient System Management
- One-touch Refrigerant Recycle
- Flexible Emergency Operations
- Extra-high External Static Pressure Design
- Separated Mechanical and Electrical Compartment

COOLING ONLY

Flexible System Design

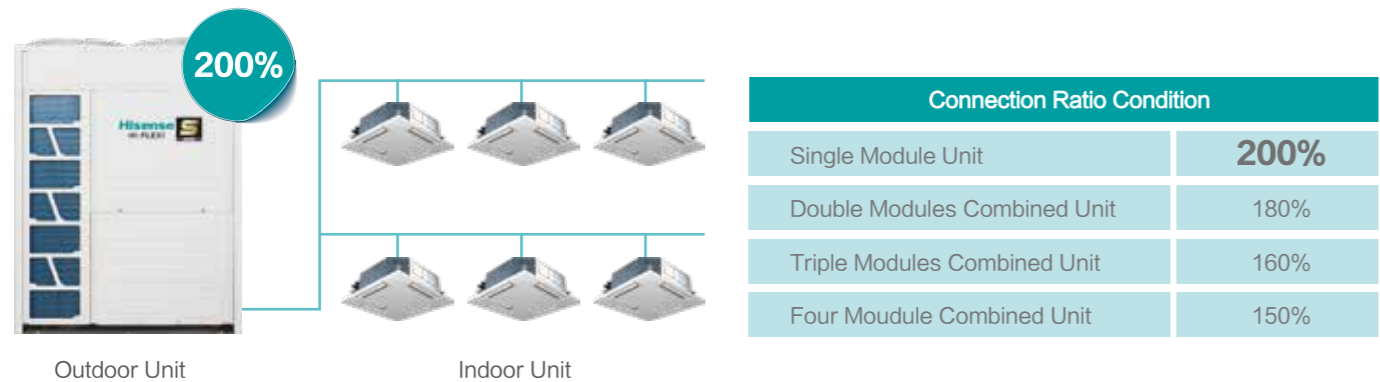
Long Piping Length

With extra long pipe, the height difference between the indoor unit and outdoor unit is up to 90 meters*, which makes installation more flexible.



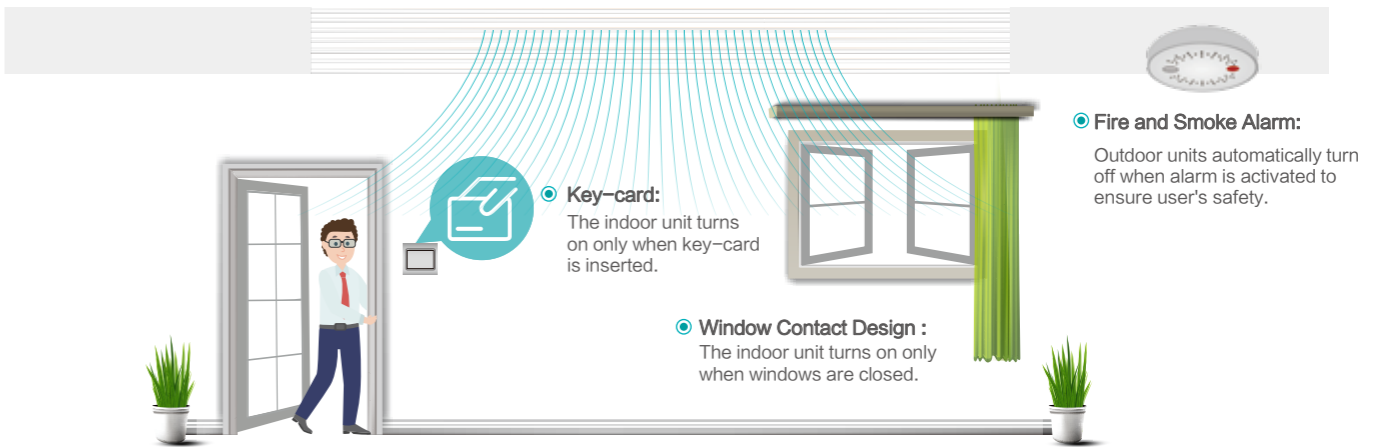
Max. 200% of Connection Ratio

The max. connection ratio between indoor units and outdoor units in the single module system can reach 200%, which can improve the flexibility of design largely and reduce the cost of projects whose air condition systems always work under partial load considerably. For double modules, triple modules and four module combined units, the max. connection ratios are 180%, 160%, 150% respectively.



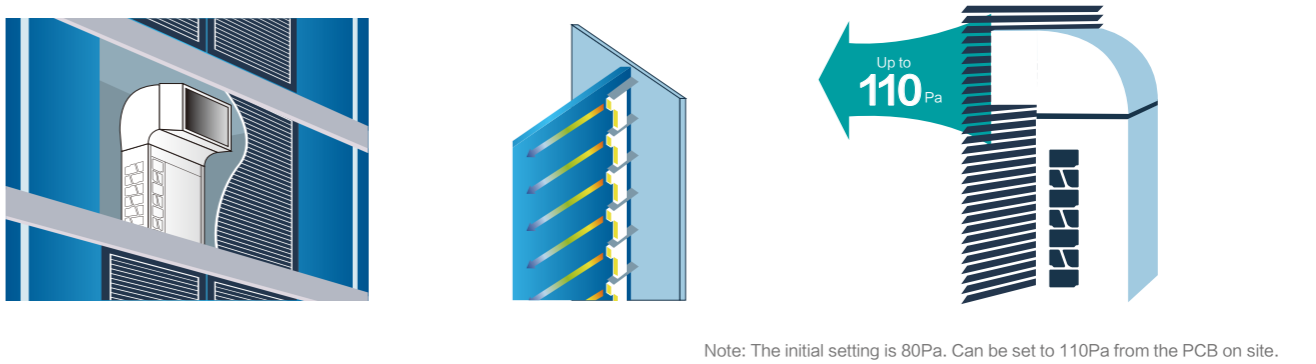
Dry Contact Interface

External input & output ports are reserved in indoor units and outdoor units for a wider choice of applications to control the air conditioning system. The key-card control, window contact control and any other third-party sensors or devices control can be available through setting in the indoor units or outdoor units.



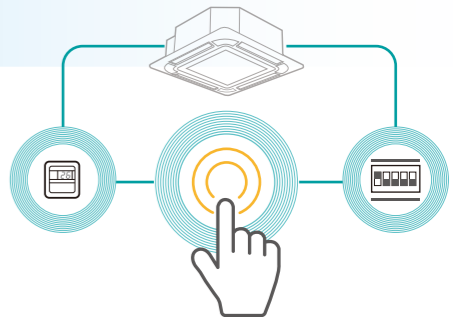
Extra-high External Static Pressure Design

External static pressure is essential to determine the air discharge and duct connection length. The max. ESP of S mavo series cooling only unit is 110Pa. Allow longer ducting connection for better air discharge when are installed in the equipment platform that is not easy to exhaust.



One-touch Test Run

Test run is one of the essential parts in testing & commissioning to make sure the VRF system in a building works steadily and safely before handing over or soft openings. To make test run as simple as possible, Hi-FLEXi S mavo series cooling only unit is capable to conduct test runs with just a button away wherever installers are, one-touch test run functions are applicable in both outdoor units and controllers.



Safe and Convenient System Management

The new outdoor units are equipped with a service window on top of the electrical box protection panel, providing easy access to parameters check. No need to disassemble the panel, decreasing the risk of electric shock.



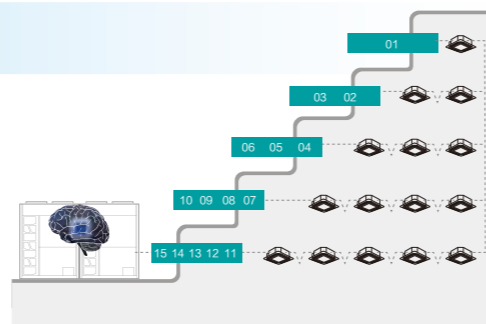
Separated Mechanical and Electrical Compartment

Hi-FLEXi S mavo series cooling only unit has separated electrical and mechanical compartments and they are covered with independent panels. Service Engineers are free to take the panels apart to check and maintain every details conveniently. All designs provide the convenience for installation and maintenance.



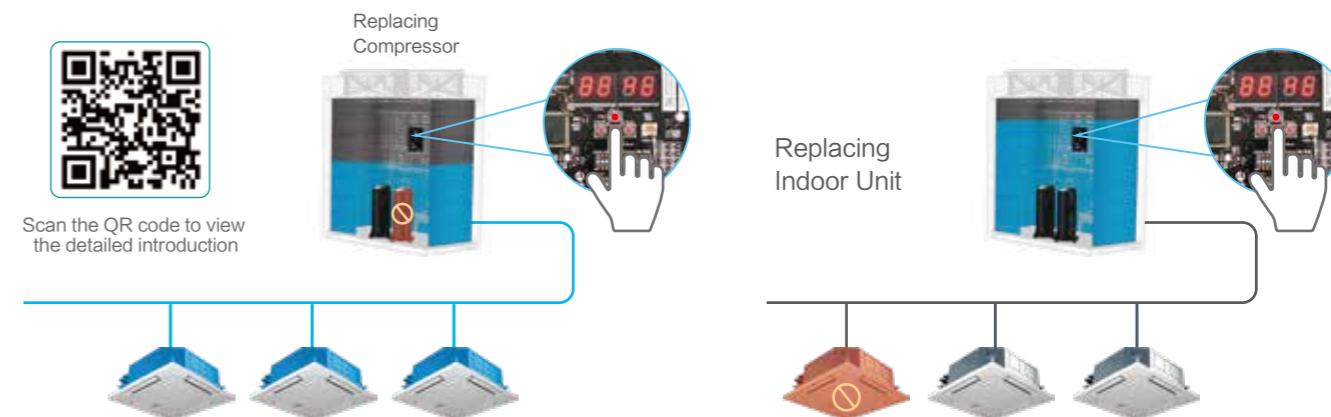
Automatically Addressing

As the system gets larger, the number of indoor units will increase rapidly, and the setting of address for IDUs will become more and more complicated. Hi-FLEXi S mavo series cooling only unit provides an automatic addressing function. The system can automatically address indoor units. It is very simple and convenient for installation and commissioning.



One-touch Refrigerant Recycle

Hi-FLEXi S mavo series cooling only unit has one-touch refrigerant recycle function. Just with a press of the button on the PCB, the refrigerant can be recycled directly, it is very helpful and convenient when the indoor units or the compressor are under repair.



Intelligent System Diagnosis

Exclusive Hi-Checker is a super intelligent service tool for system diagnosis, which can provides easy access to service parameters. Detail operation status and recent error history can be checked and analyzed by using Hi-Checker.



Flexible Emergency Operations

Under hot ambient temperature, it will cause lots of trouble once the air conditioning system shuts down. Hi-FLEXi S mavo series cooling only unit can provide six kinds of emergency operations, which can be easily set through controllers, PCB or inverter driven plate. When the compressor, fan motor, driven plate of fan motor, driven plate of compressor, temperature sensor of compressor or temperature sensor of compressor driven plate malfunctions, the air conditioning system can keep continuous working by changing settings.

Outdoor Unit

COOLING ONLY



- AVWT-76CKFSE
AVWT-96CKFSE
AVWT-114CKFSE
- AVWT-136CKFSE
AVWT-154CKFSE
AVWT-170CKFSE
- AVWT-190CKFSE
AVWT-212CKFSE
AVWT-232CKFSE
- AVWT-250CKFSE
AVWT-272CKFSE

COOLING ONLY

Standard Combination

Capacity	Model	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP
30HP	AVWT-290CKFSE	●	●						
32HP	AVWT-308CKFSE		●●						
34HP	AVWT-324CKFSE		●	●					
36HP	AVWT-340CKFSE			●●					
38HP	AVWT-360CKFSE			●	●				
40HP	AVWT-382CKFSE			●		●			
42HP	AVWT-402CKFSE			●			●		
44HP	AVWT-422CKFSE				●		●		
46HP	AVWT-444CKFSE					●	●		
48HP	AVWT-464CKFSE						●●		
50HP	AVWT-482CKFSE						●	●	
52HP	AVWT-504CKFSE						●		●
54HP	AVWT-522CKFSE							●	●
56HP	AVWT-544CKFSE								●●
58HP	AVWT-552CKFSE			●●		●			
60HP	AVWT-572CKFSE			●●			●		
62HP	AVWT-592CKFSE			●	●		●		
64HP	AVWT-614CKFSE			●		●	●		
66HP	AVWT-634CKFSE			●			●●		
68HP	AVWT-654CKFSE				●		●●		
70HP	AVWT-676CKFSE					●	●●		
72HP	AVWT-696CKFSE						●●●		
74HP	AVWT-714CKFSE						●●	●	
76HP	AVWT-732CKFSE						●	●●	
78HP	AVWT-754CKFSE						●	●	●
80HP	AVWT-776CKFSE						●		●●
82HP	AVWT-794CKFSE							●	●●
84HP	AVWT-816CKFSE								●●●
86HP	AVWT-824CKFSE				●●	●	●		
88HP	AVWT-844CKFSE				●●		●●		
90HP	AVWT-866CKFSE				●	●	●●		
92HP	AVWT-886CKFSE				●		●●●		
94HP	AVWT-908CKFSE					●	●●●		
96HP	AVWT-928CKFSE						●●●●		
98HP	AVWT-946CKFSE						●●●	●	
100HP	AVWT-968CKFSE						●●●		●
102HP	AVWT-986CKFSE						●●	●	●
104HP	AVWT-1008CKFSE						●●		●●
106HP	AVWT-1026CKFSE						●	●	●●
108HP	AVWT-1048CKFSE						●		●●●
110HP	AVWT-1066CKFSE							●	●●●
112HP	AVWT-1088CKFSE								●●●●

High-efficiency Combination

Capacity	Model	8HP	10HP	12HP	14HP
16HP	AVWT-152CKFSH	●●			
18HP	AVWT-172CKFSH	●	●		
20HP	AVWT-192CKFSH		●●		
22HP	AVWT-210CKFSH		●	●	
24HP	AVWT-228CKFSH			●●	
26HP	AVWT-250CKFSH			●	●
28HP	AVWT-268CKFSH	●	●●		
30HP	AVWT-288CKFSH		●●●		
32HP	AVWT-306CKFSH		●●	●	
34HP	AVWT-324CKFSH		●	●●	
36HP	AVWT-342CKFSH			●●●	
38HP	AVWT-364CKFSH			●●	●
40HP	AVWT-386CKFSH			●	●●
42HP	AVWT-402CKFSH		●●●	●	
44HP	AVWT-420CKFSH		●●	●●	
46HP	AVWT-438CKFSH		●	●●●	
48HP	AVWT-456CKFSH			●●●●	
50HP	AVWT-478CKFSH			●●●	●



Standard Combination

Outdoor Unit
Specifications



Capacity			8HP	10HP	12HP	14HP	16HP	18HP
Model			AVWT-76CKFSE	AVWT-96CKFSE	AVWT-114CKFSE	AVWT-136CKFSE	AVWT-154CKFSE	AVWT-170CKFSE
Combination			AVWT-76CKFSE	AVWT-96CKFSE	AVWT-114CKFSE	AVWT-136CKFSE	AVWT-154CKFSE	AVWT-170CKFSE
			/	/	/	/	/	/
			/	/	/	/	/	/
			/	/	/	/	/	/
Power Supply			AC 3Φ, 380~415V/50/60Hz					
Cooling Operation	Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0
		kBtu/h	76.4	95.5	114.3	136.5	153.5	170.6
	Power Input	kW	4.81	6.54	7.92	10.18	12.16	13.97
	EER	W/W	4.66	4.28	4.23	3.93	3.70	3.58
Ventilation	Air Flow Rate	m³/min	183	183	183	200	200	200
	Fan Quantity	pcs	1	1	1	2	2	2
	Static Pressure	Pa	110	110	110	110	110	110
Sound Pressure Level(Normal/Silent)		dB(A)	59/42	61/42	61/44	62/44	62/45	63/46
Compressor	Type	—	Scroll Compressor					
	Quantity	pcs	1	1	1	1	1	1
Refrigerant	Type	—	R410A					
	Pre-charged Quantity	kg	6.4	6.4	7.8	10.0	10.0	12.3
Weight	Net Weight	kg	212	213	218	260	262	285
	Gross Weight	kg	240	241	246	291	293	315
Cabinet Color		—	Ivory White					
Net Dimensions	Height	mm	1730	1730	1730	1730	1730	1730
	Width	mm	950	950	950	1210	1210	1210
	Depth	mm	750	750	750	750	750	750
Packing Dimensions	Height	mm	1950	1950	1950	1950	1950	1950
	Width	mm	1015	1015	1015	1275	1275	1275
	Depth	mm	790	790	790	790	790	790
Ref. Piping	Gas	mm	φ19.05	φ22.20	φ25.40	φ25.40	φ28.60	φ28.60
		inch	3/4	7/8	1	1	1-1/8	1-1/8
	Liquid	mm	φ9.53	φ9.53	φ12.70	φ12.70	φ12.70	φ15.88
		inch	3/8	3/8	1/2	1/2	1/2	5/8
Connectable Indoor Units	Quantity	pcs	13	16	19	23	26	29
	Connection Ratio	—	50%~200%					
Piping Design	Max. Total Piping Length		m	1000.0				
	Max. Piping Length	Actual Length	m	165.0				
		Equivalent Length	m	190.0				
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°)				
			m	When the ODU is below: 40(90°)				
	Height Difference Between IDUs		m	15(30°)				
Cooling Operating Range		°CDB	10~52					

- NOTES:
1. Rated capacity is tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, 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.
Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.

Outdoor Unit
Specifications



Capacity			20HP	22HP	24HP	26HP	28HP
Model			AVWT-190CKFSE	AVWT-212CKFSE	AVWT-232CKFSE	AVWT-250CKFSE	AVWT-272CKFSE
Combination			AVWT-190CKFSE	AVWT-212CKFSE	AVWT-232CKFSE	AVWT-250CKFSE	AVWT-272CKFSE
			/	/	/	/	/
			/	/	/	/	/
			/	/	/	/	/
Power Supply			AC 3Φ, 380-415V/50/60Hz				
Cooling Operation	Capacity	kW	56.0	61.5	68.0	72.5	80.0
		kBtu/h	191.1	209.8	232.0	247.4	273.0
	Power Input	kW	15.18	17.67	19.82	20.54	23.88
	EER	W/W	3.69	3.48	3.43	3.53	3.35
Ventilation	Air Flow Rate	m³/min	267	296	296	350	350
	Fan Quantity	pcs	2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level(Normal/Silent)		dB(A)	63/47	64/48	65/48	66/50	67/50
Compressor	Type	—	Scroll Compressor				
	Quantity	pcs	2	2	2	2	2
Refrigerant	Type	—	R410A				
	Pre-charged Quantity	kg	13.4	13.4	13.4	14.7	14.7
Weight	Net Weight	kg	347	358	359	376	377
	Gross Weight	kg	380	390	391	414	416
Cabinet Color		—	Ivory White				
Net Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	1350	1350	1350	1600	1600
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1950	1950	1950	1950	1950
	Width	mm	1420	1420	1420	1665	1665
	Depth	mm	790	790	790	790	790
Ref. Piping	Gas	mm	Φ28.60	Φ28.60	Φ28.60	Φ31.75	Φ31.75
		inch	1-1/8	1-1/8	1-1/8	1-1/4	1-1/4
	Liquid	mm	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ19.05
		inch	5/8	5/8	5/8	3/4	3/4
Connectable Indoor Units	Quantity	pcs	33	36	40	43	47
	Connection Ratio	—	50%-200%				
Piping Design	Max. Total Piping Length		m	1000.0			
	Max. Piping Length	Actual Length	m	165.0			
		Equivalent Length	m	190.0			
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90**)			
			m	When the ODU is below: 40(90**)			
	Height Difference Between IDUs		m	15(30**)			
Cooling Operating Range		℃DB	10-52				

3. The final appearance of outdoor units is subject to the actual products.
4. When the operation temperature is under 48℃ DB ~ 52℃ DB, please contact with our professional engineer.
5. *1: If height difference between ODU&IDU more than 50(40)m, please contact with our professional engineer.
*2: If the height difference between indoor units is more than 15m, please contact with our professional engineer.

Standard Combination

Outdoor Unit
Specifications



Capacity			30HP	32HP	34HP	36HP	38HP
Model			AVWT-290CKFSE	AVWT-308CKFSE	AVWT-324CKFSE	AVWT-340CKFSE	AVWT-360CKFSE
Combination			AVWT-136CKFSE	AVWT-154CKFSE	AVWT-154CKFSE	AVWT-170CKFSE	AVWT-170CKFSE
			AVWT-154CKFSE	AVWT-154CKFSE	AVWT-170CKFSE	AVWT-170CKFSE	AVWT-190CKFSE
			/	/	/	/	/
Power Supply			/	/	/	/	/
Cooling Operation	Capacity	kW	85.0	90.0	95.0	100.0	106.0
		kBtu/h	290	307	324.1	341.2	361.7
	Power Input	kW	22.34	24.32	26.13	27.94	29.15
	EER	W/W	3.80	3.70	3.64	3.58	3.64
Ventilation	Air Flow Rate	m³/min	400	400	400	400	467
	Fan Quantity	pcs	4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level(Normal/Silent)		dB(A)	65/48	65/48	66/49	66/49	66/50
Compressor	Type	—	Scroll Compressor				
	Quantity	pcs	2	2	2	2	3
Refrigerant	Type	—	R410A				
	Pre-charged Quantity	kg	10+10	10+10	10+12.3	12.3+12.3	12.3+13.4
Weight	Net Weight	kg	260+262	262+262	262+285	285+285	285+347
	Gross Weight	kg	291+293	293+293	293+315	315+315	315+380
Cabinet Color		—	Ivory White				
Net Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	1210+1210	1210+1210	1210+1210	1210+1210	1210+1350
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1950	1950	1950	1950	1950
	Width	mm	1275+1275	1275+1275	1275+1275	1275+1275	1275+1420
	Depth	mm	790	790	790	790	790
Ref. Piping	Gas	mm	Φ31.75	Φ31.75	Φ38.1	Φ38.1	Φ38.1
		inch	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
		inch	3/4	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	pcs	49	52	55	59	62
	Connection Ratio	-	50%~180%				
Piping Design	Max. Total Piping Length		m	1000.0			
	Max. Piping Length	Actual Length	m	165.0			
		Equivalent Length	m	190.0			
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°)			
			m	When the ODU is below: 40(90°)			
Height Difference Between IDUs		m	15(30°)				
Cooling Operating Range		°CDB	10~52				

- NOTES:
1. Rated capacity is tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, 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.
Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.

Outdoor Unit
Specifications



Capacity			40HP	42HP	44HP	46HP	48HP
Model			AVWT-382CKFSE	AVWT-402CKFSE	AVWT-422CKFSE	AVWT-444CKFSE	AVWT-464CKFSE
Combination			AVWT-170CKFSE	AVWT-170CKFSE	AVWT-190CKFSE	AVWT-212CKFSE	AVWT-232CKFSE
			AVWT-212CKFSE	AVWT-232CKFSE	AVWT-232CKFSE	AVWT-232CKFSE	AVWT-232CKFSE
			/	/	/	/	/
Power Supply			AC 3Φ, 380-415V/50/60Hz				
Cooling Operation	Capacity	kW	111.5	118.0	124.0	129.5	136.0
		kBtu/h	380.4	402.6	423.1	441.8	464.0
	Power Input	kW	31.64	33.79	35.00	37.49	39.64
		EER	W/W	3.52	3.49	3.54	3.45
Ventilation	Air Flow Rate		m³/min	496	496	563	592
	Fan Quantity		pcs	4	4	4	4
	Static Pressure		Pa	110	110	110	110
Sound Pressure Level(Normal/Silent)		dB(A)	67/50	67/50	67/51	68/51	68/51
Compressor	Type	—	Scroll Compressor				
	Quantity	pcs	3	3	4	4	4
Refrigerant	Type	—	R410A				
	Pre-charged Quantity	kg	12.3+13.4	12.3+13.4	13.4+13.4	13.4+13.4	13.4+13.4
Weight	Net Weight	kg	285+358	285+359	347+359	358+359	359+359
	Gross Weight	kg	315+390	315+391	380+391	390+391	391+391
Cabinet Color		—	Ivory White				
Net Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	1210+1350	1210+1350	1350+1350	1350+1350	1350+1350
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1950	1950	1950	1950	1950
	Width	mm	1275+1420	1275+1420	1420+1420	1420+1420	1420+1420
	Depth	mm	790	790	790	790	790
Ref. Piping	Gas	mm	Φ38.1	Φ38.1	Φ38.1	Φ41.3	Φ41.3
		inch	1-1/2	1-1/2	1-1/2	1-5/8	1-5/8
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ22.2	Φ22.2
		inch	3/4	3/4	3/4	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Connection Ratio		50%-180%				
Piping Design	Max. Total Piping Length		m	1000.0			
	Max. Piping Length	Actual Length	m	165.0			
		Equivalent Length	m	190.0			
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°)			
			m	When the ODU is below: 40(90°)			
	Height Difference Between IDUs		m	15(30°)			
Cooling Operating Range		°CDB	10-52				

3. The final appearance of outdoor units is subject to the actual products.
4. When the operation temperature is under 48℃ DB ~ 52℃ DB, please contact with our professional engineer.
5. *1: If height difference between ODU&IDU more than 50(40)m, please contact with our professional engineer.
*2: If the height difference between indoor units is more than 15m, please contact with our professional engineer.

Standard Combination

Outdoor Unit
Specifications



Capacity			50HP	52HP	54HP	56HP
Model			AVWT-482CKFSE	AVWT-504CKFSE	AVWT-522CKFSE	AVWT-544CKFSE
Combination			AVWT-232CKFSE	AVWT-232CKFSE	AVWT-250CKFSE	AVWT-272CKFSE
			AVWT-250CKFSE	AVWT-272CKFSE	AVWT-272CKFSE	AVWT-272CKFSE
			/	/	/	/
Power Supply			AC 3Φ, 380~415V/50/60Hz			
Cooling Operation	Capacity	kW	140.5	148.0	152.5	160.0
		kBtu/h	479.4	505.0	520.4	546.0
	Power Input	kW	40.36	43.7	44.42	47.76
		EER	W/W	3.48	3.39	3.43
Ventilation	Air Flow Rate		m³/min	646	646	700
	Fan Quantity		pcs	4	4	4
	Static Pressure		Pa	110	110	110
Sound Pressure Level(Normal/Silent)		dB(A)	69/52	69/52	70/53	70/53
Compressor	Type	—	Scroll Compressor			
	Quantity	pcs	4	4	4	4
Refrigerant	Type	—	R410A			
	Pre-charged Quantity	kg	13.4+14.7	13.4+14.7	14.7+14.7	14.7+14.7
Weight	Net Weight	kg	359+376	359+377	376+377	377+377
	Gross Weight	kg	391+414	391+416	414+416	416+416
Cabinet Color		—	Ivory White			
Net Dimensions	Height	mm	1730	1730	1730	1730
	Width	mm	1350+1600	1350+1600	1600+1600	1600+1600
	Depth	mm	750	750	750	750
Packing Dimensions	Height	mm	1950	1950	1950	1950
	Width	mm	1420+1665	1420+1665	1665+1665	1665+1665
	Depth	mm	790	790	790	790
Ref. Piping	Gas	mm	Φ41.3	Φ41.3	Φ41.3	Φ41.3
		inch	1-5/8	1-5/8	1-5/8	1-5/8
	Liquid	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2
		inch	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Connection Ratio		—	50%~180%		
Piping Design	Max. Total Piping Length		m	1000.0		
	Max. Piping Length	Actual Length	m	165.0		
		Equivalent Length	m	190.0		
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°)		
			m	When the ODU is below: 40(90°)		
	Height Difference Between IDUs		m	15(30°)		
Cooling Operating Range		℃CDB	10~52			

- NOTES:
1. Rated capacity is tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, 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.
Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.

Outdoor Unit
Specifications



Capacity			58HP	60HP	62HP	64HP	
Model			AVWT-552CKFSE	AVWT-572CKFSE	AVWT-592CKFSE	AVWT-614CKFSE	
Combination			AVWT-170CKFSE	AVWT-170CKFSE	AVWT-170CKFSE	AVWT-170CKFSE	
			AVWT-170CKFSE	AVWT-170CKFSE	AVWT-190CKFSE	AVWT-212CKFSE	
			AVWT-212CKFSE	AVWT-232CKFSE	AVWT-232CKFSE	AVWT-232CKFSE	
			/	/	/	/	
Power Supply			AC 3Φ, 380-415V/50/60Hz				
Cooling Operation	Capacity	kW	161.5	168.0	174.0	179.5	
		kBtu/h	551.0	573.2	593.7	612.4	
	Power Input	kW	45.61	47.76	48.97	51.46	
		EER	W/W	3.54	3.52	3.55	3.49
Ventilation	Air Flow Rate		m³/min	696	696	763	792
	Fan Quantity		pcs	6	6	6	6
	Static Pressure		Pa	110	110	110	110
Sound Pressure Level(Normal/Silent)			dB(A)	68/52	69/52	69/52	69/52
Compressor	Type	—	Scroll Compressor				
	Quantity	pcs	4	4	5	5	
Refrigerant	Type	—	R410A				
	Pre-charged Quantity		kg	12.3+12.3+13.4	12.3+12.3+13.4	12.3+13.4+13.4	12.3+13.4+13.4
Weight	Net Weight		kg	285+285+358	285+285+359	285+347+359	285+358+359
	Gross Weight		kg	315+315+390	315+315+391	315+380+391	315+390+391
Cabinet Color			—	Ivory White			
Net Dimensions	Height		mm	1730	1730	1730	1730
	Width		mm	1210+1210+1350	1210+1210+1350	1210+1350+1350	1210+1350+1350
	Depth		mm	750	750	750	750
Packing Dimensions	Height		mm	1950	1950	1950	1950
	Width		mm	1275+1275+1420	1275+1275+1420	1275+1420+1420	1275+1420+1420
	Depth		mm	790	790	790	790
Ref. Piping	Gas	mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5	
		inch	1-3/4	1-3/4	1-3/4	1-3/4	
	Liquid	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	
		inch	7/8	7/8	7/8	7/8	
Connectable Indoor Units	Quantity		pcs	64	64	64	64
	Connection Ratio		—	50%-160%			
Piping Design	Max. Total Piping Length		m	1000.0			
	Max. Piping Length	Actual Length	m	165.0			
		Equivalent Length	m	190.0			
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°)			
			m	When the ODU is below: 40(90°)			
	Height Difference Between IDUs		m	15(30°)			
Cooling Operating Range			°CDB	10-52			

3. The final appearance of outdoor units is subject to the actual products.
4. When the operation temperature is under 48℃ DB ~ 52℃ DB, please contact with our professional engineer.
5. *1: If height difference between ODU&IDU more than 50(40)m, please contact with our professional engineer.
*2: If the height difference between indoor units is more than 15m, please contact with our professional engineer.

Standard Combination

Outdoor Unit
Specifications



Capacity			66HP	68HP	70HP	72HP
Model			AVWT-634CKFSE	AVWT-654CKFSE	AVWT-676CKFSE	AVWT-696CKFSE
Combination			AVWT-170CKFSE	AVWT-190CKFSE	AVWT-212CKFSE	AVWT-232CKFSE
			AVWT-232CKFSE	AVWT-232CKFSE	AVWT-232CKFSE	AVWT-232CKFSE
			AVWT-232CKFSE	AVWT-232CKFSE	AVWT-232CKFSE	AVWT-232CKFSE
			/	/	/	/
Power Supply			AC 3Φ, 380~415V/50/60Hz			
Cooling Operation	Capacity	kW	186.0	192.0	197.5	204.0
		kBtu/h	634.6	655.1	673.8	696.0
	Power Input	kW	53.61	54.82	57.31	59.46
		EER	W/W	3.47	3.50	3.45
Ventilation	Air Flow Rate		m³/min	792	859	888
	Fan Quantity		pcs	6	6	6
	Static Pressure		Pa	110	110	110
Sound Pressure Level(Normal/Silent)		dB(A)	69/52	69/52	69/53	70/53
Compressor	Type	—	Scroll Compressor			
	Quantity	pcs	5	6	6	6
Refrigerant	Type	—	R410A			
	Pre-charged Quantity		kg	12.3+13.4+13.4	13.4+13.4+13.4	13.4+13.4+13.4
Weight	Net Weight		kg	285+359+359	347+359+359	358+359+359
	Gross Weight		kg	315+391+391	380+391+391	390+391+391
Cabinet Color		—	Ivory White			
Net Dimensions	Height		mm	1730	1730	1730
	Width		mm	1210+1350+1350	1350+1350+1350	1350+1350+1350
	Depth		mm	750	750	750
Packing Dimensions	Height		mm	1950	1950	1950
	Width		mm	1275+1420+1420	1420+1420+1420	1420+1420+1420
	Depth		mm	790	790	790
Ref. Piping	Gas	mm	Φ44.5	Φ50.8	Φ50.8	Φ50.8
		inch	1~3/4	2	2	2
	Liquid	mm	Φ22.2	Φ25.4	Φ25.4	Φ25.4
		inch	7/8	1	1	1
Connectable Indoor Units	Quantity		pcs	64	64	64
	Connection Ratio		—	50%~160%		
Piping Design	Max. Total Piping Length		m	1000.0		
	Max. Piping Length	Actual Length	m	165.0		
		Equivalent Length	m	190.0		
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°)		
			m	When the ODU is below: 40(90°)		
	Height Difference Between IDUs		m	15(30°)		
Cooling Operating Range		℃CDB	10~52			

- NOTES:
1. Rated capacity is tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, 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.
Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.

Outdoor Unit
Specifications



Capacity			74HP	76HP	78HP	80HP
Model			AVWT-714CKFSE	AVWT-732CKFSE	AVWT-754CKFSE	AVWT-776CKFSE
Combination			AVWT-232CKFSE	AVWT-232CKFSE	AVWT-232CKFSE	AVWT-232CKFSE
			AVWT-232CKFSE	AVWT-250CKFSE	AVWT-250CKFSE	AVWT-272CKFSE
			AVWT-250CKFSE	AVWT-250CKFSE	AVWT-272CKFSE	AVWT-272CKFSE
			/	/	/	/
Power Supply			AC 3Φ, 380-415V/50/60Hz			
Cooling Operation	Capacity	kW	208.5	213.0	220.5	228.0
		kBtu/h	711.4	726.8	752.4	778.0
	Power Input	kW	60.18	60.90	64.24	67.58
		EER	W/W	3.46	3.50	3.43
Ventilation	Air Flow Rate		m³/min	942	996	996
	Fan Quantity		pcs	6	6	6
	Static Pressure		Pa	110	110	110
Sound Pressure Level(Normal/Silent)			dB(A)	70/54	70/54	71/54
Compressor	Type	—	Scroll Compressor			
	Quantity	pcs	6	6	6	6
Refrigerant	Type	—	R410A			
	Pre-charged Quantity		kg	13.4+13.4+14.7	13.4+14.7+14.7	13.4+14.7+14.7
Weight	Net Weight		kg	359+359+376	359+376+376	359+376+377
	Gross Weight		kg	391+391+414	391+414+414	391+414+416
Cabinet Color			—	Ivory White		
Net Dimensions	Height		mm	1730	1730	1730
	Width		mm	1350+1350+1600	1350+1600+1600	1350+1600+1600
	Depth		mm	750	750	750
Packing Dimensions	Height		mm	1950	1950	1950
	Width		mm	1420+1420+1665	1420+1665+1665	1420+1665+1665
	Depth		mm	790	790	790
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1
Connectable Indoor Units	Quantity		pcs	64	64	64
	Connection Ratio		—	50%~160%		
Piping Design	Max. Total Piping Length		m	1000.0		
	Max. Piping Length	Actual Length	m	165.0		
		Equivalent Length	m	190.0		
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°1)		
			m	When the ODU is below: 40(90°1)		
	Height Difference Between IDUs		m	15(30°*)		
Cooling Operating Range			℃CDB	10-52		

3. The final appearance of outdoor units is subject to the actual products.
4. When the operation temperature is under 48℃ DB ~ 52℃ DB, please contact with our professional engineer.
5. *1: If height difference between ODU&IDU more than 50(40)m, please contact with our professional engineer.
*2: If the height difference between indoor units is more than 15m, please contact with our professional engineer.

Standard Combination

Outdoor Unit
Specifications



Capacity			82HP	84HP	86HP	88HP
Model			AVWT-794CKFSE	AVWT-816CKFSE	AVWT-824CKFSE	AVWT-844CKFSE
Combination			AVWT-250CKFSE	AVWT-272CKFSE	AVWT-190CKFSE	AVWT-190CKFSE
			AVWT-272CKFSE	AVWT-272CKFSE	AVWT-190CKFSE	AVWT-190CKFSE
			AVWT-272CKFSE	AVWT-272CKFSE	AVWT-212CKFSE	AVWT-232CKFSE
			/	/	AVWT-232CKFSE	AVWT-232CKFSE
Power Supply			AC 3Φ, 380-415V/50/60Hz			
Cooling Operation	Capacity	kW	232.5	240.0	241.5	248.0
		kBtu/h	793.4	819.0	824.0	846.2
	Power Input	kW	68.30	71.64	67.85	70.00
		EER	W/W	3.40	3.35	3.56
Ventilation	Air Flow Rate	m³/min	1050	1050	1126	1126
	Fan Quantity	pcs	6	6	8	8
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level(Normal/Silent)		dB(A)	71/55	72/55	70/54	70/54
Compressor	Type	—	Scroll Compressor			
	Quantity	pcs	6	6	8	8
Refrigerant	Type	—	R410A			
	Pre-charged Quantity	kg	14.7+14.7+14.7	14.7+14.7+14.7	13.4+13.4+13.4+13.4	13.4+13.4+13.4+13.4
Weight	Net Weight	kg	376+377+377	377+377+377	347+347+358+359	347+347+359+359
	Gross Weight	kg	414+416+416	416+416+416	380+380+390+391	380+380+391+391
Cabinet Color		—	Ivory White			
Net Dimensions	Height	mm	1730	1730	1730	1730
	Width	mm	1600+1600+1600	1600+1600+1600	1350+1350+1350+1350	1350+1350+1350+1350
	Depth	mm	750	750	750	750
Packing Dimensions	Height	mm	1950	1950	1950	1950
	Width	mm	1665+1665+1665	1665+1665+1665	1420+1420+1420+1420	1420+1420+1420+1420
	Depth	mm	790	790	790	790
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Connection Ratio		—	50%~160%		50%~150%
Piping Design	Max. Total Piping Length		m	1000.0		
	Max. Piping Length	Actual Length	m	165.0		
		Equivalent Length	m	190.0		
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°)		
			m	When the ODU is below: 40(90°)		
Height Difference Between IDUs		m	15(30°)			
Cooling Operating Range		℃DB	10-52			

- NOTES:
1. Rated capacity is tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, 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.
Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.

Outdoor Unit
Specifications



Capacity			90HP		92HP		94HP		96HP		
Model			AVWT-866CKFSE		AVWT-886CKFSE		AVWT-908CKFSE		AVWT-928CKFSE		
Combination			AVWT-190CKFSE		AVWT-190CKFSE		AVWT-212CKFSE		AVWT-232CKFSE		
			AVWT-212CKFSE		AVWT-232CKFSE		AVWT-232CKFSE		AVWT-232CKFSE		
			AVWT-232CKFSE		AVWT-232CKFSE		AVWT-232CKFSE		AVWT-232CKFSE		
			AVWT-232CKFSE		AVWT-232CKFSE		AVWT-232CKFSE		AVWT-232CKFSE		
Power Supply			AC 3Φ, 380-415V/50/60Hz								
Cooling Operation	Capacity		kW	253.5	260.0		265.5		272.0		
			kBtu/h	864.9	887.1		905.8		928.0		
	Power Input		kW	72.49	74.64		77.13		79.28		
	EER		W/W	3.50	3.48		3.44		3.43		
Ventilation	Air Flow Rate		m³/min	1155	1155		1184		1184		
	Fan Quantity		pcs	8	8		8		8		
	Static Pressure		Pa	110	110		110		110		
Sound Pressure Level(Normal/Silent)			dB(A)	70/54	71/54		71/54		71/54		
Compressor	Type		—	Scroll Compressor							
	Quantity		pcs	8	8		8		8		
Refrigerant	Type		—	R410A							
	Pre-charged Quantity		kg	13.4+13.4+13.4+13.4	13.4+13.4+13.4+13.4		13.4+13.4+13.4+13.4		13.4+13.4+13.4+13.4		
Weight	Net Weight		kg	347+358+359+359	347+359+359+359		358+359+359+359		359+359+359+359		
	Gross Weight		kg	380+390+391+391	380+391+391+391		390+391+391+391		391+391+391+391		
Cabinet Color			—	Ivory White							
Net Dimensions	Height		mm	1730	1730		1730		1730		
	Width		mm	1350+1350+1350+1350	1350+1350+1350+1350		1350+1350+1350+1350		1350+1350+1350+1350		
	Depth		mm	750	750		750		750		
Packing Dimensions	Height		mm	1950	1950		1950		1950		
	Width		mm	1420+1420+1420+1420	1420+1420+1420+1420		1420+1420+1420+1420		1420+1420+1420+1420		
	Depth		mm	790	790		790		790		
Ref. Piping	Gas		mm	Φ50.8	Φ50.8		Φ50.8		Φ50.8		
			inch	2	2		2		2		
	Liquid		mm	Φ25.4	Φ25.4		Φ25.4		Φ25.4		
			inch	1	1		1		1		
Connectable Indoor Units	Quantity		pcs	64	64		64		64		
	Connection Ratio		—	50%~150%							
Piping Design	Max. Total Piping Length		m	1000.0							
	Max. Piping Length	Actual Length	m	165.0							
		Equivalent Length	m	190.0							
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°1)							
			m	When the ODU is below: 40(90°1)							
Height Difference Between IDUs		m	15(30°*)								
Cooling Operating Range			°CDB	10~52							

3. The final appearance of outdoor units is subject to the actual products.
4. When the operation temperature is under 48℃ DB ~ 52℃ DB, please contact with our professional engineer.
5. *1: If height difference between ODU&IDU more than 50(40)m, please contact with our professional engineer.
*2: If the height difference between indoor units is more than 15m, please contact with our professional engineer.

Standard Combination

Outdoor Unit
Specifications



Capacity			98HP		100HP		102HP		104HP		
Model			AVWT-946CKFSE		AVWT-968CKFSE		AVWT-986CKFSE		AVWT-1008CKFSE		
Combination			AVWT-232CKFSE		AVWT-232CKFSE		AVWT-232CKFSE		AVWT-232CKFSE		
			AVWT-232CKFSE		AVWT-232CKFSE		AVWT-232CKFSE		AVWT-232CKFSE		
			AVWT-232CKFSE		AVWT-232CKFSE		AVWT-250CKFSE		AVWT-272CKFSE		
			AVWT-250CKFSE		AVWT-272CKFSE		AVWT-272CKFSE		AVWT-272CKFSE		
Power Supply			AC 3Φ, 380~415V/50/60Hz								
Cooling Operation	Capacity		kW	276.5	284.0		288.5		296.0		
			kBtu/h	943.4	969.0		984.4		1010.0		
	Power Input		kW	80.00	83.34		84.06		87.40		
	EER		W/W	3.46	3.41		3.43		3.39		
Ventilation	Air Flow Rate		m³/min	1238	1238		1292		1292		
	Fan Quantity		pcs	8	8		8		8		
	Static Pressure		Pa	110	110		110		110		
Sound Pressure Level(Normal/Silent)			dB(A)	71/55	72/55		72/55		72/55		
Compressor	Type		—								
	Quantity		pcs	8	8		8		8		
Refrigerant	Type		—								
	Pre-charged Quantity		kg	13.4+13.4+13.4+14.7	13.4+13.4+13.4+14.7		13.4+13.4+14.7+14.7		13.4+13.4+14.7+14.7		
Weight	Net Weight		kg	359+359+359+376	359+359+359+377		359+359+376+377		359+359+377+377		
	Gross Weight		kg	391+391+391+414	391+391+391+416		391+391+414+416		391+391+416+416		
Cabinet Color			—								
Net Dimensions	Height		mm	1730							
	Width		mm	1350+1350+1350+1600		1350+1350+1350+1600		1350+1350+1600+1600		1350+1350+1600+1600	
	Depth		mm	750		750		750		750	
Packing Dimensions	Height		mm	1950		1950		1950		1950	
	Width		mm	1420+1420+1420+1665		1420+1420+1420+1665		1420+1420+1665+1665		1420+1420+1665+1665	
	Depth		mm	790		790		790		790	
Ref. Piping	Gas		mm	Φ50.8		Φ50.8		Φ50.8		Φ50.8	
			inch	2		2		2		2	
	Liquid		mm	Φ25.4		Φ25.4		Φ25.4		Φ25.4	
			inch	1		1		1		1	
Connectable Indoor Units	Quantity		pcs	64	64		64		64		
	Connection Ratio		—	50%~150%							
Piping Design	Max. Total Piping Length		m	1000.0							
	Max. Piping Length	Actual Length	m	165.0							
		Equivalent Length	m	190.0							
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90")							
			m	When the ODU is below: 40(90")							
	Height Difference Between IDUs		m	15(30")							
Cooling Operating Range			℃CDB	10~52							

- NOTES:
1. Rated capacity is 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
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.
Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.

Outdoor Unit
Specifications



Capacity			106HP	108HP	110HP	112HP
Model			AVWT-1026CKFSE	AVWT-1048CKFSE	AVWT-1066CKFSE	AVWT-1088CKFSE
Combination			AVWT-232CKFSE	AVWT-232CKFSE	AVWT-250CKFSE	AVWT-272CKFSE
			AVWT-250CKFSE	AVWT-272CKFSE	AVWT-272CKFSE	AVWT-272CKFSE
			AVWT-272CKFSE	AVWT-272CKFSE	AVWT-272CKFSE	AVWT-272CKFSE
			AVWT-272CKFSE	AVWT-272CKFSE	AVWT-272CKFSE	AVWT-272CKFSE
Power Supply			AC 3Φ, 380~415V/50/60Hz			
Cooling Operation	Capacity	kW	300.5	308.0	312.5	320.0
		kBtu/h	1025.4	1051.0	1066.4	1092.0
	Power Input	kW	88.12	91.46	92.18	95.52
		EER	W/W	3.41	3.37	3.39
Ventilation	Air Flow Rate		m³/min	1346	1346	1400
	Fan Quantity		pcs	8	8	8
	Static Pressure		Pa	110	110	110
Sound Pressure Level(Normal/Silent)			dB(A)	72/56	73/56	73/56
Compressor	Type	—	Scroll Compressor			
	Quantity	pcs	8	8	8	8
Refrigerant	Type	—	R410A			
	Pre-charged Quantity		kg	13.4+14.7+14.7+14.7	13.4+14.7+14.7+14.7	14.7+14.7+14.7+14.7
Weight	Net Weight		kg	359+376+377+377	359+377+377+377	376+377+377+377
	Gross Weight		kg	391+414+416+416	391+416+416+416	414+416+416+416
Cabinet Color			—	Ivory White		
Net Dimensions	Height		mm	1730	1730	1730
	Width		mm	1350+1600+1600+1600	1350+1600+1600+1600	1600+1600+1600+1600
	Depth		mm	750	750	750
Packing Dimensions	Height		mm	1950	1950	1950
	Width		mm	1420+1665+1665+1665	1420+1665+1665+1665	1665+1665+1665+1665
	Depth		mm	790	790	790
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1
Connectable Indoor Units	Quantity		pcs	64	64	64
	Connection Ratio		—	50%~150%		
Piping Design	Max. Total Piping Length		m	1000.0		
	Max. Piping Length	Actual Length	m	165.0		
		Equivalent Length	m	190.0		
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90")		
			m	When the ODU is below: 40(90")		
	Height Difference Between IDUs		m	15(30")		
Cooling Operating Range			℃CDB	10~52		

3. The final appearance of outdoor units is subject to the actual products.
4. When the operation temperature is under 48°C DB ~ 52°C DB, please contact with our professional engineer.
5. *1: If height difference between ODU&IDU more than 50(40)m, please contact with our professional engineer.
*2: If the height difference between indoor units is more than 15m, please contact with our professional engineer.

High-efficiency Combination

Outdoor Unit
Specifications



Capacity			16HP	18HP	20HP	22HP	24HP
Model			AVWT-152CKFSH	AVWT-172CKFSH	AVWT-192CKFSH	AVWT-210CKFSH	AVWT-228CKFSH
Combination			AVWT-76CKFSE	AVWT-76CKFSE	AVWT-96CKFSE	AVWT-96CKFSE	AVWT-114CKFSE
			AVWT-76CKFSE	AVWT-96CKFSE	AVWT-96CKFSE	AVWT-114CKFSE	AVWT-114CKFSE
			/	/	/	/	/
Power Supply			/	/	/	/	/
Cooling Operation	Capacity	kW	44.8	50.4	56.0	61.5	67.0
		kBtu/h	152.8	171.9	191.0	209.8	228.6
	Power Input	kW	9.62	11.35	13.08	14.46	15.84
	EER	W/W	4.66	4.44	4.28	4.25	4.23
Ventilation	Air Flow Rate	m³/min	366	366	366	366	366
	Fan Quantity	pcs	2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level(Normal/Silent)		dB(A)	62/45	63/45	64/45	64/46	64/47
Compressor	Type	—	Scroll Compressor				
	Quantity	pcs	2	2	2	2	2
Refrigerant	Type	—	R410A				
	Pre-charged Quantity	kg	6.4+6.4	6.4+6.4	6.4+6.4	6.4+7.8	7.8+7.8
Weight	Net Weight	kg	212+212	212+213	213+213	213+218	218+218
	Gross Weight	kg	240+240	240+241	241+241	241+246	246+246
Cabinet Color		—	Ivory White				
Net Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	950+950	950+950	950+950	950+950	950+950
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1950	1950	1950	1950	1950
	Width	mm	1015+1015	1015+1015	1015+1015	1015+1015	1015+1015
	Depth	mm	790	790	790	790	790
Ref. Piping	Gas	mm	φ28.60	φ28.60	φ28.60	φ28.60	φ28.60
		inch	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8
	Liquid	mm	φ12.70	φ15.88	φ15.88	φ15.88	φ15.88
		inch	1/2	5/8	5/8	5/8	5/8
Connectable Indoor Units	Quantity	pcs	26	29	33	36	40
	Connection Ratio		50%~180%				
Piping Design	Max. Total Piping Length		m	1000.0			
	Max. Piping Length	Actual Length	m	165.0			
		Equivalent Length	m	190.0			
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°)			
			m	When the ODU is below: 40(90°)			
	Height Difference Between IDUs		m	15(30°)			
Cooling Operating Range		°CDB	10~52				

- NOTES:
1. Rated capacity is tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, 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.
Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.

Outdoor Unit
Specifications



Capacity			26HP	28HP	30HP	32HP	34HP
Model			AVWT-250CKFSH	AVWT-268CKFSH	AVWT-288CKFSH	AVWT-306CKFSH	AVWT-324CKFSH
Combination			AVWT-114CKFSE	AVWT-76CKFSE	AVWT-96CKFSE	AVWT-96CKFSE	AVWT-96CKFSE
			AVWT-136CKFSE	AVWT-96CKFSE	AVWT-96CKFSE	AVWT-96CKFSE	AVWT-114CKFSE
			/	AVWT-96CKFSE	AVWT-96CKFSE	AVWT-114CKFSE	AVWT-114CKFSE
			/	/	/	/	/
Power Supply			AC 3Φ, 380-415V/50/60Hz				
Cooling Operation	Capacity	kW	73.5	78.4	84.0	89.5	95.0
		kBtu/h	250.8	267.4	286.5	305.3	324.1
	Power Input	kW	18.10	17.89	19.62	21.00	22.38
	EER	W/W	4.06	4.38	4.28	4.26	4.24
Ventilation	Air Flow Rate	m³/min	383	549	549	549	549
	Fan Quantity	pcs	3	3	3	3	3
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level(Normal/Silent)		dB(A)	65/47	65/47	66/47	66/48	66/48
Compressor	Type	—	Scroll Compressor				
	Quantity	pcs	2	3	3	3	3
Refrigerant	Type	—	R410A				
	Pre-charged Quantity	kg	7.8+10.0	6.4+6.4+6.4	6.4+6.4+6.4	6.4+6.4+7.8	6.4+7.8+7.8
Weight	Net Weight	kg	218+260	212+213+213	213+213+213	213+213+218	213+218+218
	Gross Weight	kg	246+291	240+241+241	241+241+241	241+241+246	241+246+246
Cabinet Color		—	Ivory White				
Net Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	950+1210	950+950+950	950+950+950	950+950+950	950+950+950
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1950	1950	1950	1950	1950
	Width	mm	1015+1275	1015+1015+1015	1015+1015+1015	1015+1015+1015	1015+1015+1015
	Depth	mm	790	790	790	790	790
Ref. Piping	Gas	mm	φ31.75	φ31.75	φ31.75	φ31.75	φ38.1
		inch	1-1/4	1-1/4	1-1/4	1-1/4	1-1/2
	Liquid	mm	φ19.05	φ19.05	φ19.05	φ19.05	φ19.05
		inch	3/4	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	pcs	43	47	50	53	56
	Connection Ratio	—	50%~180%	50%~160%			
Piping Design	Max. Total Piping Length		m	1000.0			
	Max. Piping Length	Actual Length	m	165.0			
		Equivalent Length	m	190.0			
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°)			
			m	When the ODU is below: 40(90°)			
	Height Difference Between IDUs		m	15(30°)			
Cooling Operating Range		℃DB	10-52				

3. The final appearance of outdoor units is subject to the actual products.
4. When the operation temperature is under 48℃ DB ~ 52℃ DB, please contact with our professional engineer.
5. *1: If height difference between ODU&IDU more than 50(40)m, please contact with our professional engineer.
*2: If the height difference between indoor units is more than 15m, please contact with our professional engineer.

High-efficiency Combination

Outdoor Unit
Specifications



Capacity			36HP	38HP	40HP	42HP	44HP
Model			AVWT-342CKFSH	AVWT-364CKFSH	AVWT-386CKFSH	AVWT-402CKFSH	AVWT-420CKFSH
Combination			AVWT-114CKFSE	AVWT-114CKFSE	AVWT-114CKFSE	AVWT-96CKFSE	AVWT-96CKFSE
			AVWT-114CKFSE	AVWT-114CKFSE	AVWT-136CKFSE	AVWT-96CKFSE	AVWT-96CKFSE
			AVWT-114CKFSE	AVWT-136CKFSE	AVWT-136CKFSE	AVWT-96CKFSE	AVWT-114CKFSE
			/	/	/	AVWT-114CKFSE	AVWT-114CKFSE
Power Supply			AC 3Φ, 380~415V/50/60Hz				
Cooling Operation	Capacity	kW	100.5	107.0	113.5	117.5	123.0
		kBtu/h	342.9	365.1	387.3	400.8	419.6
	Power Input	kW	23.76	26.02	28.28	27.54	28.92
		EER	W/W	4.23	4.11	4.01	4.27
Ventilation	Air Flow Rate	m³/min	549	566	583	732	732
	Fan Quantity	pcs	3	4	5	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level(Normal/Silent)		dB(A)	66/49	66/49	66/49	67/49	67/49
Compressor	Type	—	Scroll Compressor				
	Quantity	pcs	3	3	3	4	4
Refrigerant	Type	—	R410A				
	Pre-charged Quantity	kg	7.8+7.8+7.8	7.8+7.8+10.0	7.8+10.0+10.0	6.4+6.4+6.4+7.8	6.4+6.4+7.8+7.8
Weight	Net Weight	kg	218+218+218	218+218+260	218+260+260	213+213+213+218	213+213+218+218
	Gross Weight	kg	246+246+246	246+246+291	246+291+291	241+241+241+246	241+241+246+246
Cabinet Color		—	Ivory White				
Net Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	950+950+950	950+950+1210	950+1210+1210	950+950+950+950	950+950+950+950
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1950	1950	1950	1950	1950
	Width	mm	1015+1015+1015	1015+1015+1275	1015+1275+1275	1015+1015+1015+1015	1015+1015+1015+1015
	Depth	mm	790	790	790	790	790
Ref. Piping	Gas	mm	Φ 38.1	Φ 38.1	Φ 38.1	Φ 38.1	Φ 38.1
		inch	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	Liquid	mm	Φ 19.05	Φ 19.05	Φ 19.05	Φ 19.05	Φ 19.05
		inch	3/4	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	pcs	59	64	64	64	64
	Connection Ratio	—	50%~160%			50%~150%	
Piping Design	Max. Total Piping Length		m	1000.0			
	Max. Piping Length	Actual Length	m	165.0			
		Equivalent Length	m	190.0			
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°)			
			m	When the ODU is below: 40(90°)			
Height Difference Between IDUs		m	15(30°)				
Cooling Operating Range		℃DB	10~52				

NOTES:

1. Rated capacity is tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, 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.
Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.

Outdoor Unit
Specifications



Capacity			46HP	48HP	50HP
Model			AVWT-438CKFSH	AVWT-456CKFSH	AVWT-478CKFSH
Combination			AVWT-96CKFSE	AVWT-114CKFSE	AVWT-114CKFSE
			AVWT-114CKFSE	AVWT-114CKFSE	AVWT-114CKFSE
			AVWT-114CKFSE	AVWT-114CKFSE	AVWT-114CKFSE
			AVWT-114CKFSE	AVWT-114CKFSE	AVWT-136CKFSE
Power Supply			AC 3Φ, 380-415V/50/60Hz		
Cooling Operation	Capacity	kW	128.5	134.0	140.5
		kBtu/h	438.4	457.2	479.4
	Power Input	kW	30.30	31.68	33.94
	EER	W/W	4.24	4.23	4.14
Ventilation	Air Flow Rate	m³/min	732	732	749
	Fan Quantity	pcs	4	4	5
	Static Pressure	Pa	110	110	110
Sound Pressure Level(Normal/Silent)		dB(A)	67/50	67/50	67/50
Compressor	Type	—	Scroll Compressor		
	Quantity	pcs	4	4	4
Refrigerant	Type	—	R410A		
	Pre-charged Quantity	kg	6.4+7.8+7.8+7.8	7.8+7.8+7.8+7.8	7.8+7.8+7.8+10.0
Weight	Net Weight	kg	213+218+218+218	218+218+218+218	218+218+218+260
	Gross Weight	kg	241+246+246+246	246+246+246+246	246+246+246+291
Cabinet Color		—	Ivory White		
Net Dimensions	Height	mm	1730	1730	1730
	Width	mm	950+950+950+950	950+950+950+950	950+950+950+1210
	Depth	mm	750	750	750
Packing Dimensions	Height	mm	1950	1950	1950
	Width	mm	1015+1015+1015+1015	1015+1015+1015+1015	1015+1015+1015+1275
	Depth	mm	790	790	790
Ref. Piping	Gas	mm	Φ41.3	Φ41.3	Φ41.3
		inch	1-5/8	1-5/8	1-5/8
	Liquid	mm	Φ22.2	Φ22.2	Φ22.2
		inch	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64
	Connection Ratio	—	50%-150%		
Piping Design	Max. Total Piping Length		m	1000.0	
	Max. Piping Length	Actual Length	m	165.0	
		Equivalent Length	m	190.0	
	Height Difference Between ODU and IDU		m	When the ODU is above: 50(90°)	
			m	When the ODU is below: 40(90°)	
Height Difference Between IDUs		m	15(30°)		
Cooling Operating Range		°CDB <td colspan="3">10-52</td>	10-52		

3. The final appearance of outdoor units is subject to the actual products.
4. When the operation temperature is under 48℃ DB ~ 52℃ DB, please contact with our professional engineer.
5. *1: If height difference between ODU&IDU more than 50(40)m, please contact with our professional engineer.
*2: If the height difference between indoor units is more than 15m, please contact with our professional engineer.