Hisense VRF

AIR CONDITIONING SOLUTION

Reimagine your solution

Hisense | UEFA EURO2024 GERMANY

OFFICIAL VRF OF UEFA EURO 2024™

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

http://www.hisensehvac.com hhexport@hisense.com Hisense HVAC Hisense HVAC Hisense HVAC

CE CB ISO14001 ISO9001 ISO45001 HCAC-CA-GP202401

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Hisense VRF

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

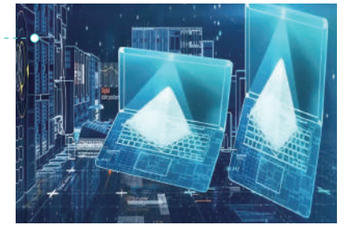
TV and Display Devices
Internet TV Operation
Mobile Communication Devices
Optical Communication Devices
Chip

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

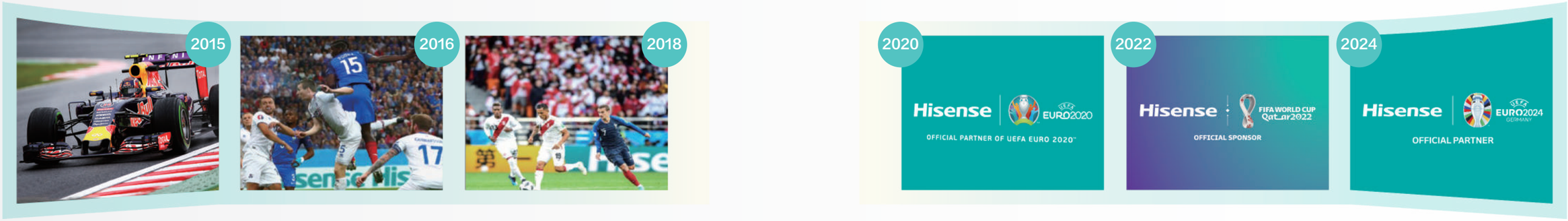


Real Estate & Modern Services

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 & 2022**, Hisense has made clear its focus on football. Hisense also is the official partner of **UEFA EURO 2024.**



Team Supplier to Red Bull Racing

Official Partner of UEFA EURO 2016

Official Sponsor of 2018 FIFA World Cup

Official Partner of UEFA EURO 2020

Official Sponsor of 2022 FIFA World Cup

Official Partner of UEFA EURO 2024

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 technological innovation capabilities, Hisense HVAC has participated in the formulation and revision of 112 national standards, industry standards and association standards, and boasts 2020 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, 2023.

266,000 m^2
Manufacturing Area

40+
Production Line

6,000,000 units/year
Production Capacity

16,700 m^2/70+
Laboratory

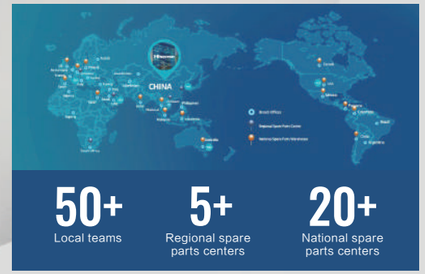
HISENSE HVAC PROFESSIONAL ENGINEERING TOOLS & SUPPORT

iCare

Beyond Your Expectation

Hisense HVAC is committed to providing a comprehensive suite of air conditioning solutions. Our services span every stage of the customer journey — from product development, pre-sales support, and quotation & purchase, to installation & commissioning, use & experience, and after-sales service. At Hisense HVAC, we consistently deliver enhanced support to ensure our customers receive unparalleled assistance.

Introducing our iCare vision, Hisense HVAC is taking a step further to elevate our technical support and after-sales service, reaffirming our commitment to customer satisfaction.



Customer Oriented

Hisense HVAC boasts over 50 technical and service teams strategically positioned worldwide to offer prompt local support. With more than 5 regional spare parts centers and 20+ national spare parts warehouses, we ensure high-quality and swift spare part supply. Furthermore, R&D centers in Europe and America are currently under construction.

Reliable Service Anytime and Anywhere be with You

We've established a comprehensive all-media after-sales service system, ensuring reliable assistance anytime and anywhere.

Informatization Unified HVAC Application Platform

Hisense has built the technical platform matrix which including the product selection software, CAD Hi-Design software, BIM, service platforms GCSS, GSD, GKP and so on.

Ability Focus on Full Cycle Training Support

The Hisense HVAC Academy was founded to offer a range of training courses for our staff and partners, with the goal of consistently enhancing the HVAC expertise of engineers, installers, and service agents.

5000m² training center in HQ
10+ training center globally
Skilled training team in HQ

Hisense HVAC ACADEMY

5+ practice operation room
Real machine teaching
Live training online

Excellence Pursuit Enhancing User Experience Continuously

The technical and service team not only serves as the business's service provider but also champions excellent products. Hisense is actively promoting the application of Cloud AI and NFC in HVAC.

CONTENTS

25
COMFORT

41
OUTDOOR UNIT

Hi-FLEXi S Series Heat Recovery (High Efficiency) -43
Hi-FLEXi S Series Heat Recovery (Standard) -60
Hi-FLEXi S Series -73
Hi-FLEXi S mavo+ Series -86
Hi-Smart H5 Series -98
Hi-Smart E+ L+ C+ Series -109
Hi-Smart H Series -115

03
RELIABILITY

167
CONTROL SYSTEM

187
ACCESSORIES

EFFICIENCY
17

FLEXIBILITY
33

INDOOR UNIT
129

4-Way Cassette Type / Mini 4-Way Cassette Type -133
1-Way Cassette Type -137
2-Way Cassette Type -139
Console Type -141
Ceiling Ducted Type (AC/DC Low-height) -144
Ceiling Ducted Type(DC High Static Pressure) -147
Ceiling Ducted Type (High/Low Static Pressure) -149
Wall Mounted Type -153
Ceiling & Floor Type -155
Floor Concealed Type -157
All Fresh Air Indoor Unit -159
Heat Recovery Ventilator -161
AHU Connection KIT -165

Hisense VRF

OUTDOOR UNITS LINE-UP

Hi-FLEXi S Series Heat Recovery

Hi-FLEXi S Series

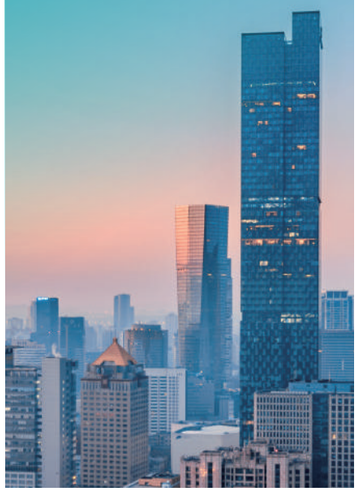
Hi-FLEXi S mavo+ Series

8~12HP	14~18HP	20~24HP	26~28HP

30~56HP	58~84HP

86~112HP

Hi-FLEXi X3 Series



8~12HP	14~18HP	20~24HP	26~28HP

30~56HP	58~84HP

86~112HP

8~14HP	16~20HP	22~40HP

42~60HP

Hi-FLEXi W Series

	4/5/6HP	8/10/12/14/16HP	18~32HP
H5		Coming soon	Coming soon
	R32	R32	R32

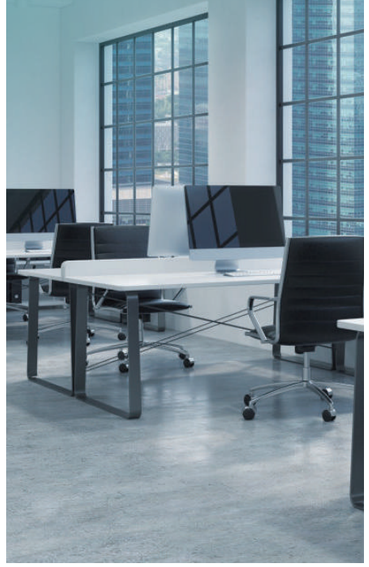
	4/5/6HP	4/5/6HP	8/10/12HP
E+L+C+			

	3/4/5HP	4/5/6HP	8/10/12HP
H			

Hi-Smart H5 Series

Hi-Smart E+ L+ C+ Series

Hi-Smart H Series



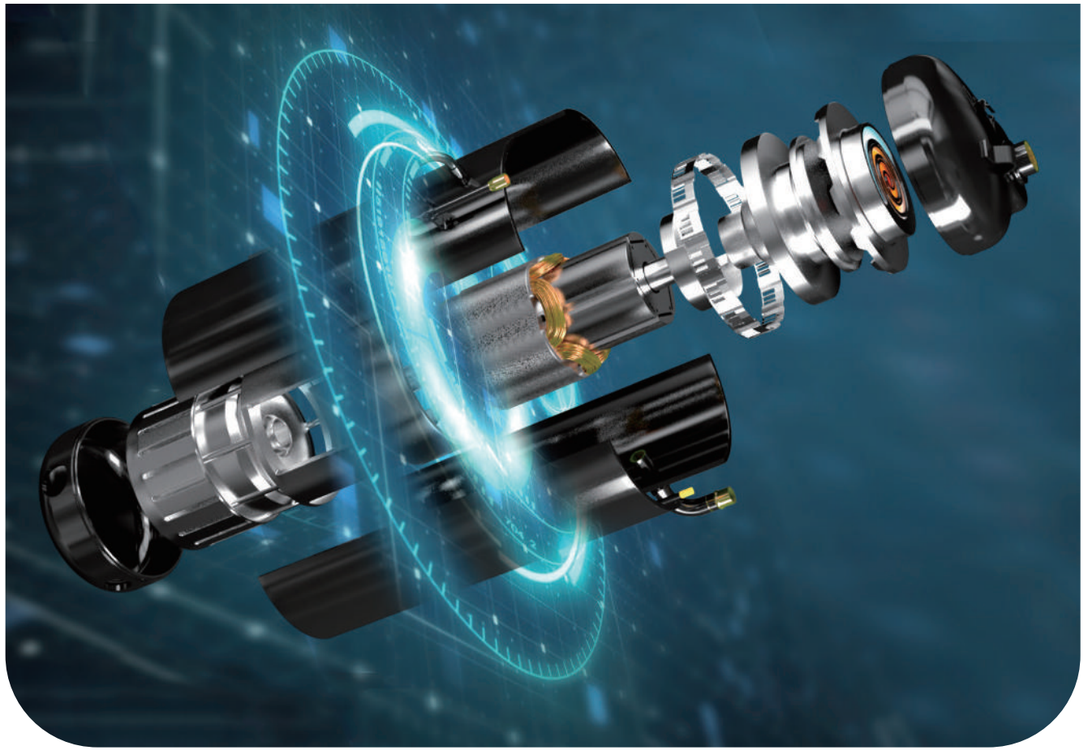
Hisense VRF

RELIABILITY

- Refrigerant Circuit
- Enhanced Anti-corrosion Solution
- System & Operation
- Electrical & Electronics
- Indoor Unit Reliability

AIR
CONDITIONING
SOLUTION

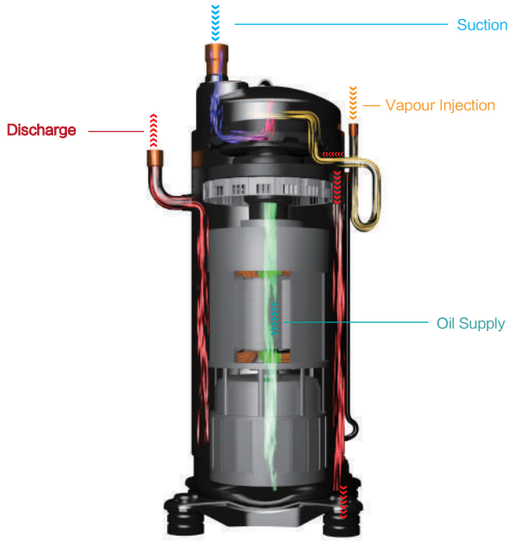
Refrigerant Circuit



Revolutionary HVAC compressor

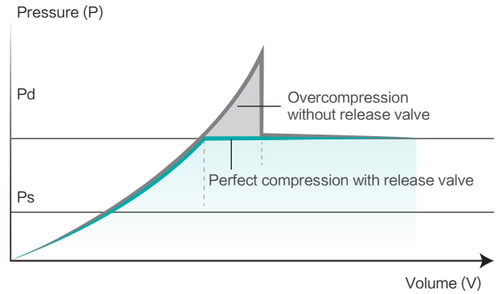
Vapour injection technology

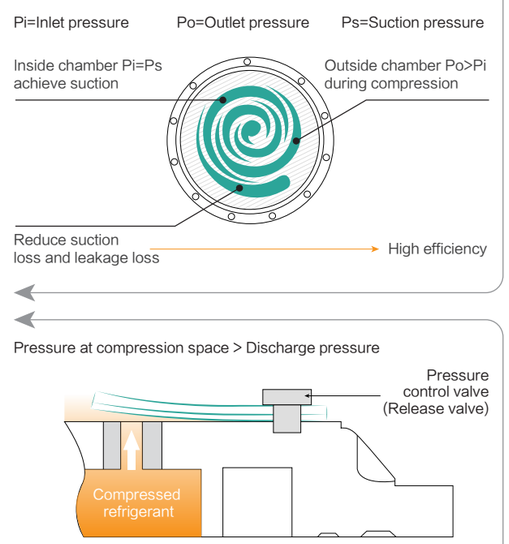
New generation scroll compressor is now patented with higher performance capability vapour injection technology, increasing capacity up to 25% compared to conventional scroll compressor with same amount of power consumed.



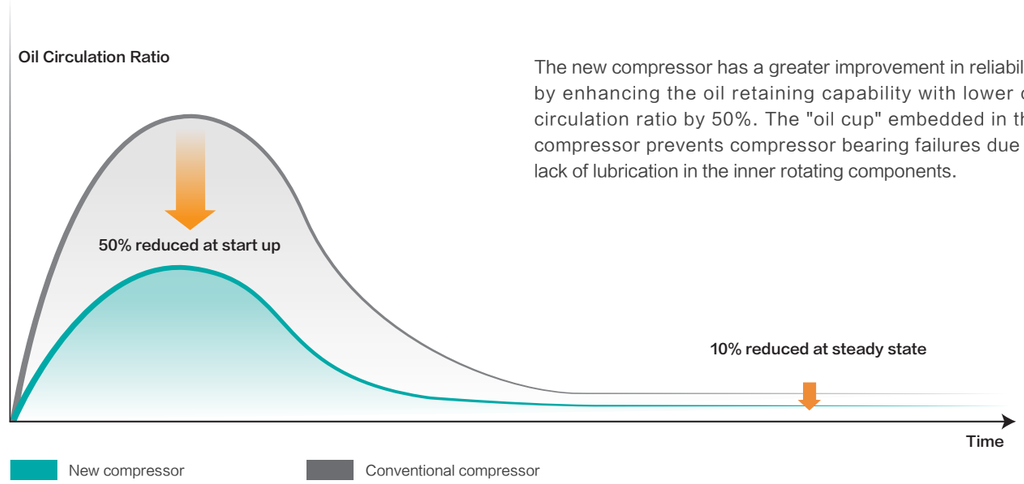
Efficient energy usage

Wasted power is reduced by minimizing leakage and anti−overcompression while compressing refrigerant gas with asymmetric scroll and patented release valves.





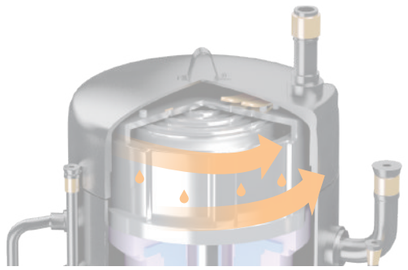
Enhanced oil level retaining capability



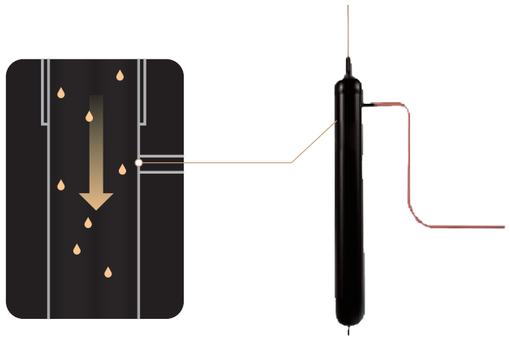
The new compressor has a greater improvement in reliability by enhancing the oil retaining capability with lower oil circulation ratio by 50%. The "oil cup" embedded in the compressor prevents compressor bearing failures due to lack of lubrication in the inner rotating components.

Oil separation and oil return

Oil separation



First-stage Oil Separation



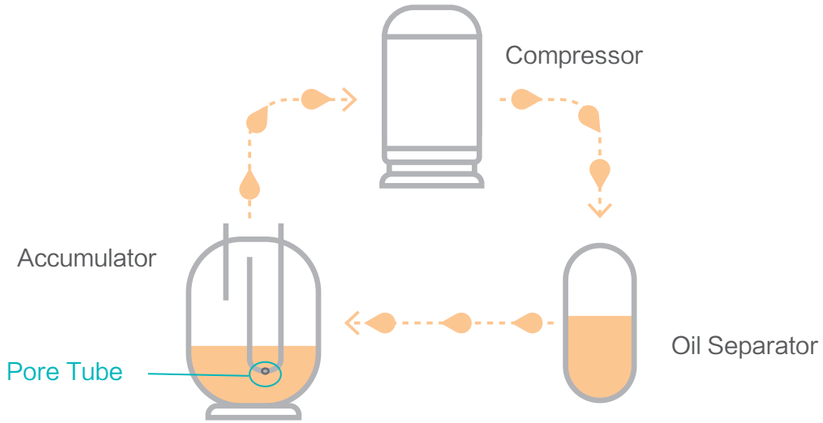
Second-stage Oil Separation

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 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%.

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 it is finished.
In winter under heating mode, this operation is implemented without switching to cooling mode, which guarantees the heating performance.



Enhanced Anti-corrosion Solution

Hisense's complete corrosion-proof is a perfect solution in seaside and chemical factory applications (sulphide contamination occasion), providing ultimate comfort without sacrificing life span and reducing maintenance cost simultaneously.
The components from top to toe are treated with effect treatments, and the systems have acquired UL certification.

❶ **Front Panel**	Galvanized steel treated with zirconium & 100 μ m ~ 180 μ m epoxy zinc rich primer + pure polyester paint coating.	
❷ **Heat Exchanger**	Black fin (with epoxy resin & hydrophilic film); Cooper fin.	
❸ **Electrical Box**	Galvanized steel treated with zirconium & 50 μ m~120 μ m pure polyester.	
❹ **Fan Motor**	Coated with 10 μ m ~ 30 μ m Acrylic Resin coating Thickness: 10 μ m ~30 μ m.	
❺ **Top Grill**	❻ **Motor Bracket**	❼ **Protection Net**

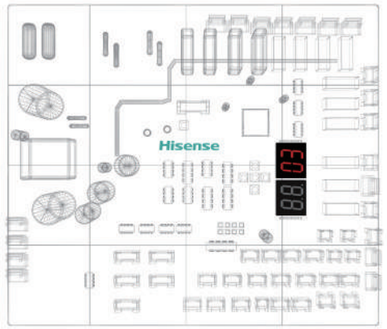
Note
Please refer to the catalog of Hisense VRF Anti-corrosion Solution for detailed anti-corrosion treatment measures.

System & Operation

Self-diagnosis & self-protection measures

Self-diagnosis

Operation monitoring and maintenance are made simpler by having the AC unit tells you what and where is wrong with them. Alarm codes will be flashed out when an error or breakdown occurs. Extremely helpful for installers during test run and also end-users to understand what's going on. Besides alarm codes, operating status and parameters like history temperature, pressure, compressor frequency and etc are traceable on controllers and the outdoor unit, easing service maintenance and troubleshooting.



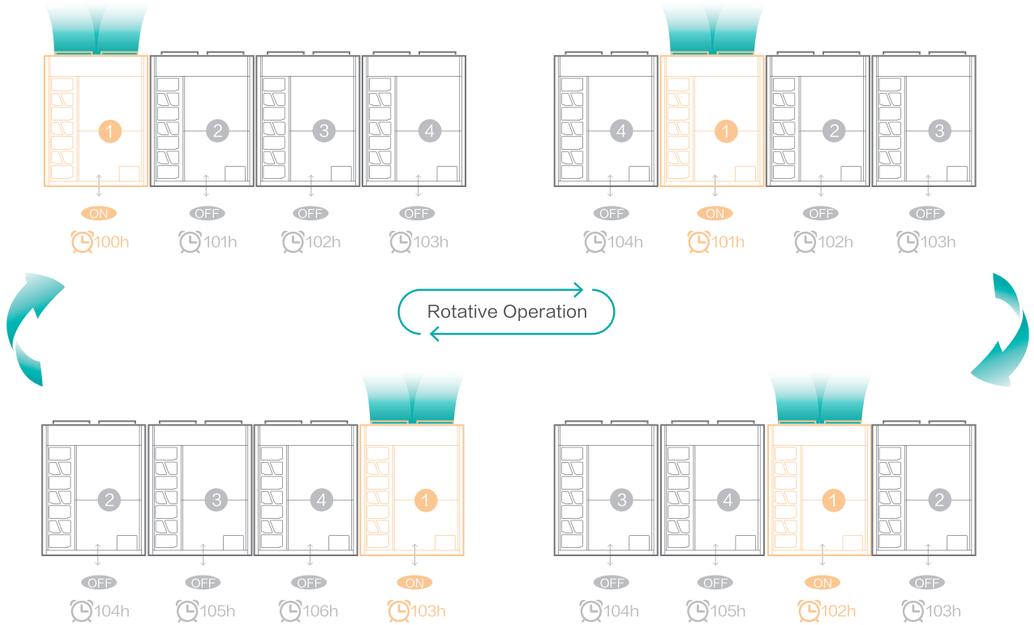
Self-protection

Hisense VRF can protect itself with algorithms embedded to make necessary protective decisions and measures by different sensor readings and parameters, including compressor protections, system protections, inverter protections and electric protections.

Smart rotative operation & triple backup operation

Smart rotative operation

Operation duties are smartly balanced in higher capacity module combinations to prevent occurrence of individual unit overworked and hence extending the overall operating life of the overall system.



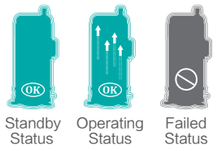
Triple backup operation

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

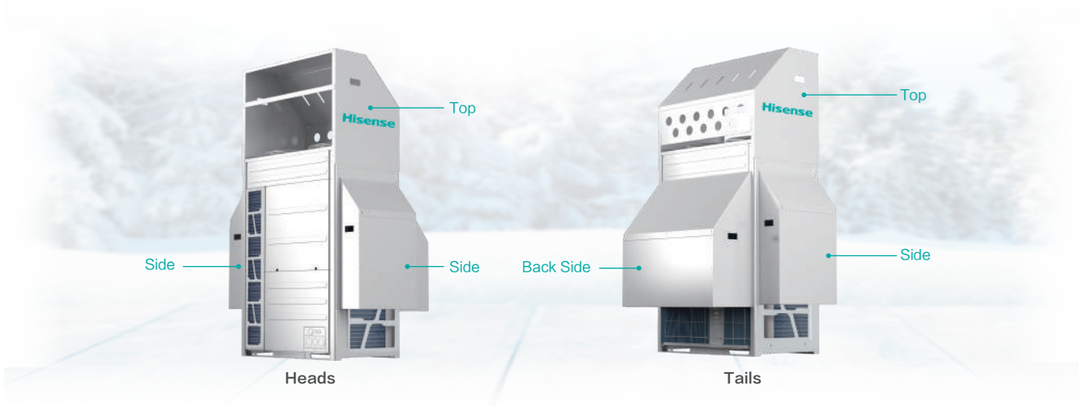
For the module equipped with two fans, if one fan breaks down, the other one won't be influenced, the module can still keep working.

Single Module System

Combined Modules System

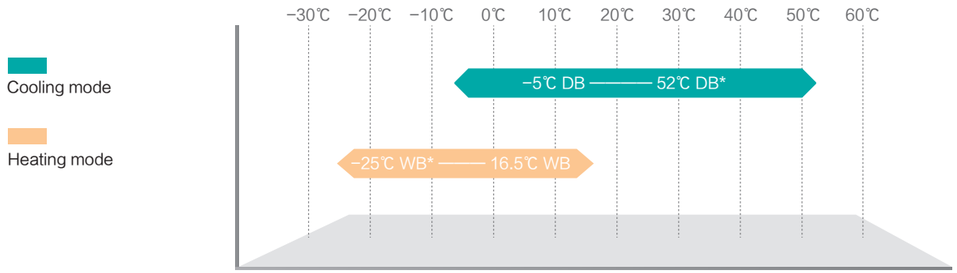
Snow hood (optional)

The snow hood kit can effectively prevent heavy snow from accumulating on the top of the unit and covering the heat exchanger. Heavy snow accumulating will affect the heat exchange seriously, thus stable operation can be ensured thanks to the snow hood.



Wider operation range

Extended operation range creates wider application potential，in cooling mode the operation range is from −5℃ DB to 52℃ DB and in heating mode the operation range is from −25℃ WB to 16.5℃ WB, which adapts to extreme conditions.

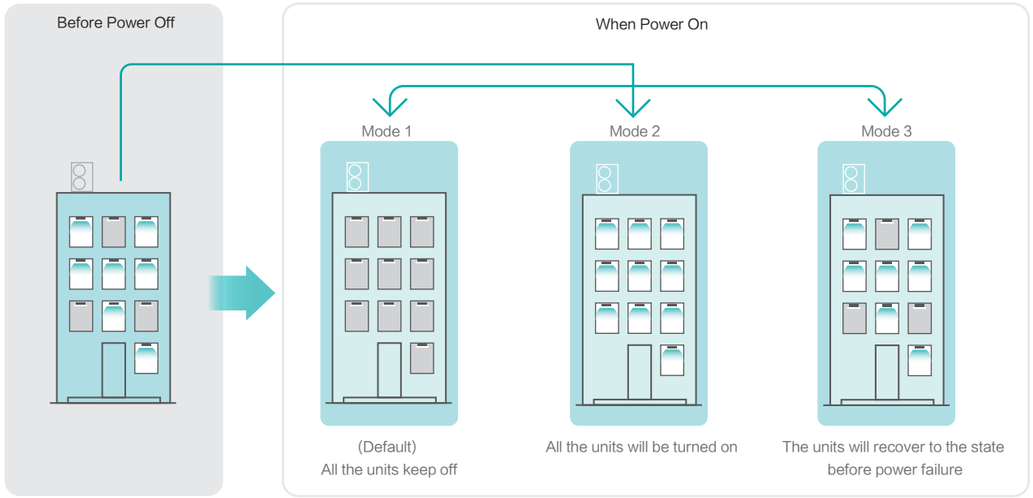


Note

1. The dry temperature range of heating operation mode is from −25℃ to 26℃.
2. When the temperature is in 48℃~52℃ and −20℃~ −25℃, the module is in intermittent operation.
3. Please refer to the specification table of each series for detailed operation range.

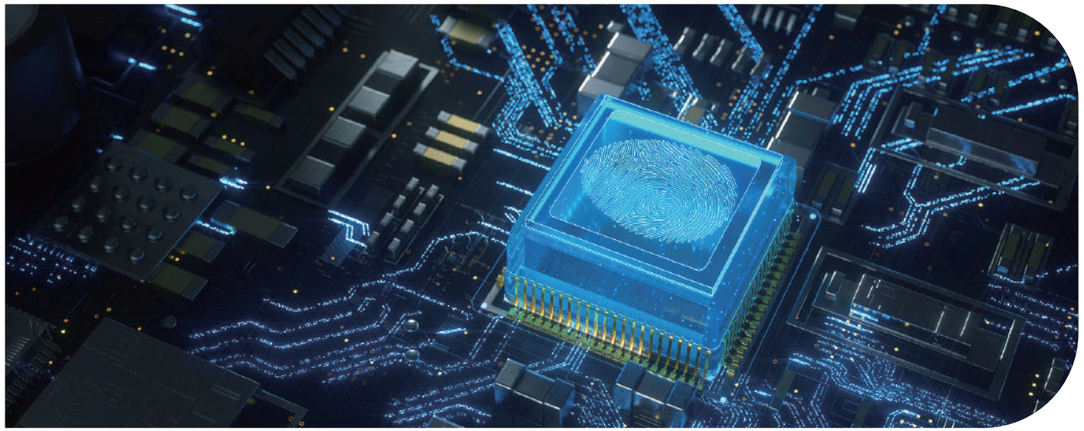
Automatic Restart

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.



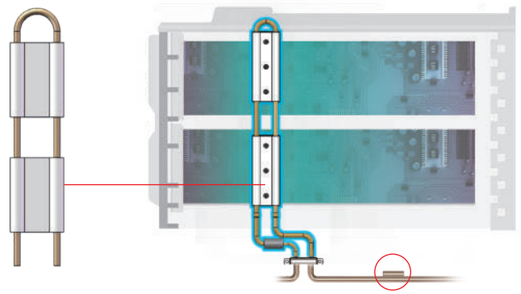
* DIP setting is necessary for mode 2 and mode 3.

Electrical & Electronics



Patented 360° fitted refrigerant cooling technology

Hisense VRF 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.

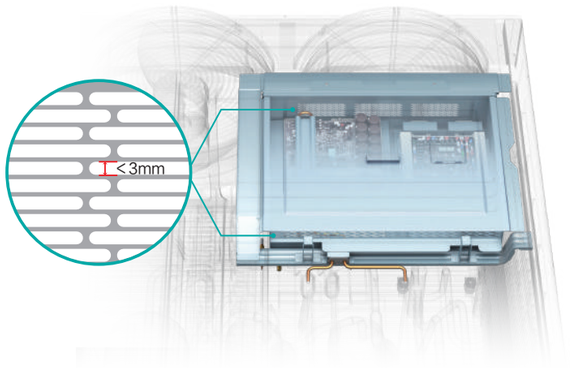


Note

1. * The data is based on the S mavo+ unit under low fan speed operation. 2. Temperature sensor is only available for S mavo+ series.

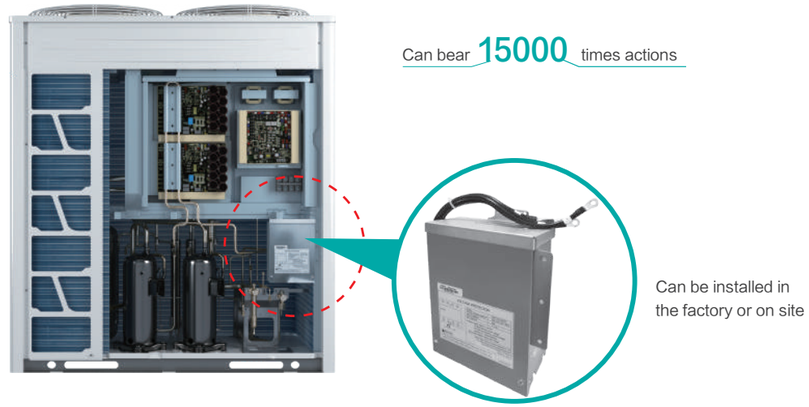
Insect protection design

Special design nettings are placed on insect easy-entry openings, effectively preventing unnecessary electrical component damages.



Voltage protector reserved (optional)

Too low or too high voltage can easily damage the electronic components. The new generation of top flow 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.



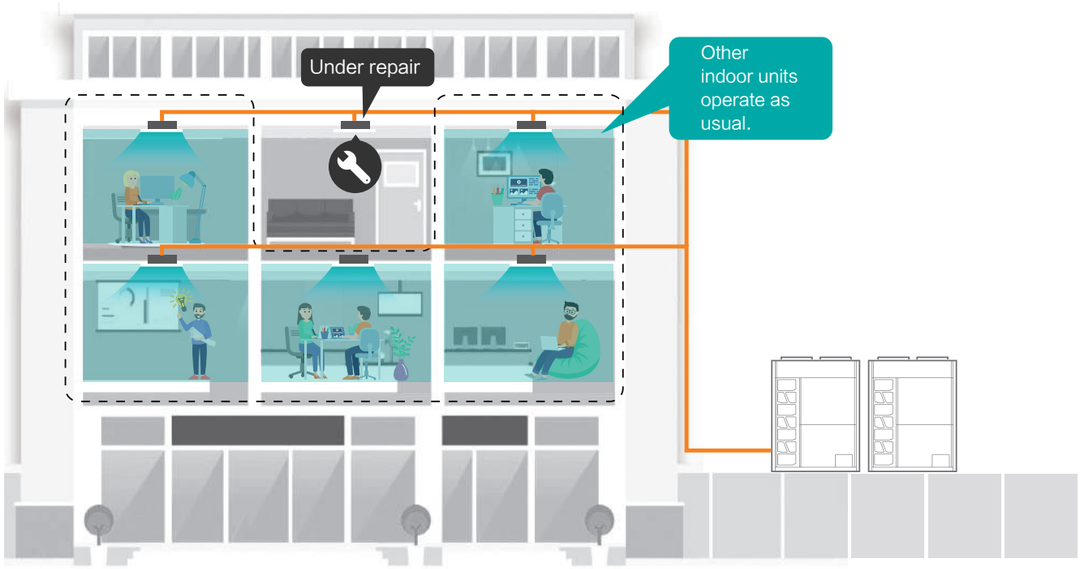
Quality electrical and magnetism precaution measure

Air-conditioning unit produced by Hisense VRF requires strict electromagnetic protection and preventive quality assurance to not allow electromagnetic wave from other devices surrounding the unit to interfere the normal operation and function of our unit and vice versa onto other equipment. Another typical damage causes of electronic and electrical failure is sudden high external power source exerted into the electronic compositions like thunder strike during a storm. As to overcome such inevitable natural phenomenon to cause damage, 4000V sudden high voltage test is infused into the long list of electromagnetism quality test in our internationally qualified test lab.

Indoor Unit Reliability

Independent maintenance of indoor unit

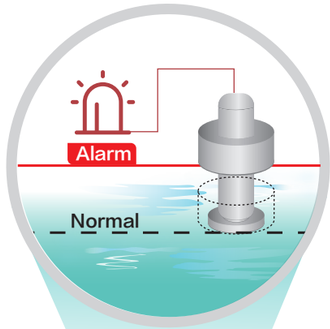
To maintain the whole system's continuous operation even when there is a breakdown occurring within the system, Hisense VRF is capable to isolate the faulty unit from the others while conducting restoration and maintaining continuous operation of other units simultaneously. It's especially practical for retail shops or offices where multiple indoor units share the same system.

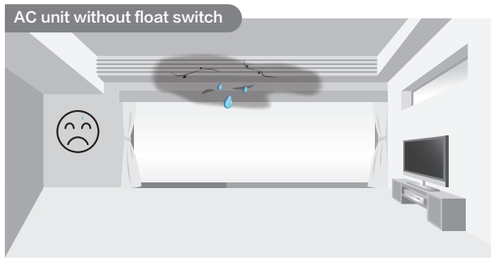


*Preliminary setting is unnecessary

Condensate water leakage protection

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





Effective drainage solution

High quality seals

Water could seep through anywhere as long as there is a void. Thus, Hisense utilizes the best quality sealing material to seal up gaps between the heat exchanger and drain pan, which effectively prevents condensate leakage.

Transparent drain pipe

To ease drainage inspection, Hisense indoor units adopt transparent drain hose connection. It enhances installation and maintenance, making sure drain hoses are connected securely and make blockage inspections much easier.

Hisense VRF

EFFICIENCY

- Efficient Heat Exchanger
- Intelligent Defrosting Logic
- Steady Air Discharge

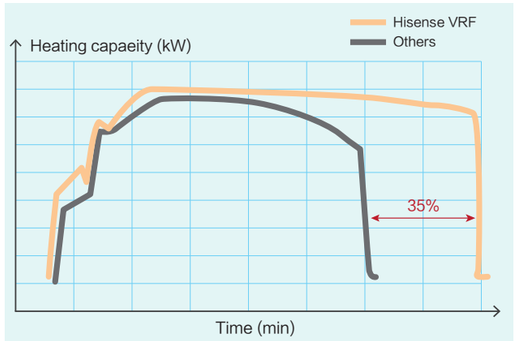
AIR
CONDITIONING
SOLUTION

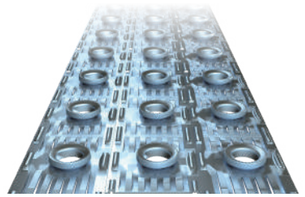
Efficient Heat Exchanger

New advanced corrugated fin design

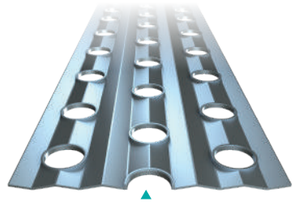
The heat exchanger of Hisense VRF adopts the new advanced corrugated fin design. With this new design, larger amount of fins can be allocated into the heat exchanger, increasing 20% heat exchange surface area maximally compared with the last generation fin and the heating capability increase 10% averagely.

Long-time stable heating performance





Last generation fin

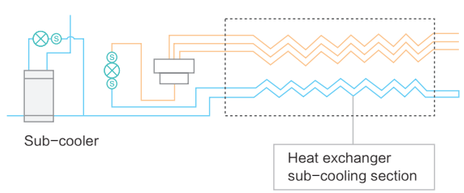


Latest corrugated fin

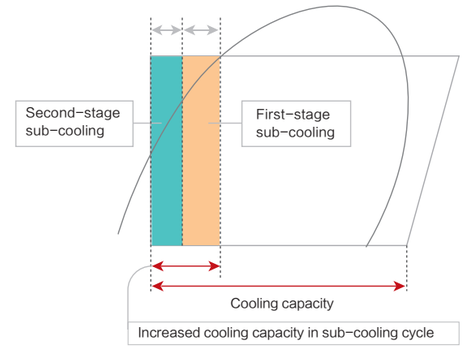
Two-stage subcooling

For the conventional VRF systems without the sub-coolers, the subcooling temperature is about 12.5℃ with one-stage subcooling. However, Hisense VRF's 2-stage subcooling technology can realize the subcooling temperature up to 27℃, distinctly improving the cooling capacity by pushing refrigerant further beyond its condensing temperature.

Two-stage sub-cooling cycle diagram



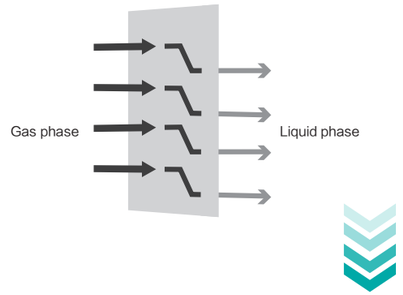
Two-stage sub-cooling pressure enthalpy diagram

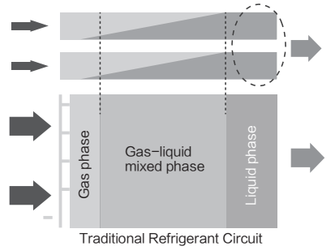


Optimized refrigerant circuit

As refrigerant flows in the system, energy will be lost due to friction and other factors naturally especially when refrigerant change phase, latent heat are lost when gas turns to liquid. Whereby, as more heat is dissipated out, higher the heat exchanger efficiency is. By making full use of heat dissipation, refrigerant flow layout is maneuvered into 2 to 1 refrigerant flow path extends liquid refrigerant's occupancy and eventually the efficiency too.

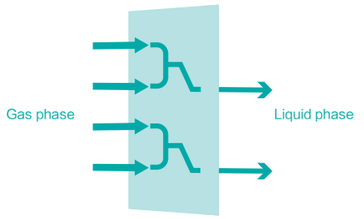
Conventional technology

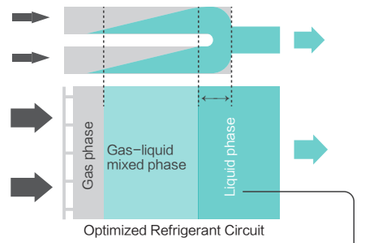




Gas Refrigerant Liquid Refrigerant

2-to-1 refrigerant flow path

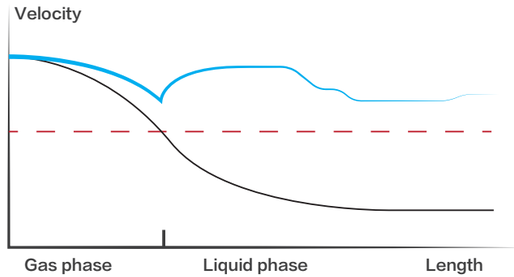




Increase the proportion of liquid refrigerant in the heat exchanger to improve heat transfer efficiency

Gas Refrigerant Liquid Refrigerant

Why does 2 to 1 refrigerant circuit is higher in efficiency?

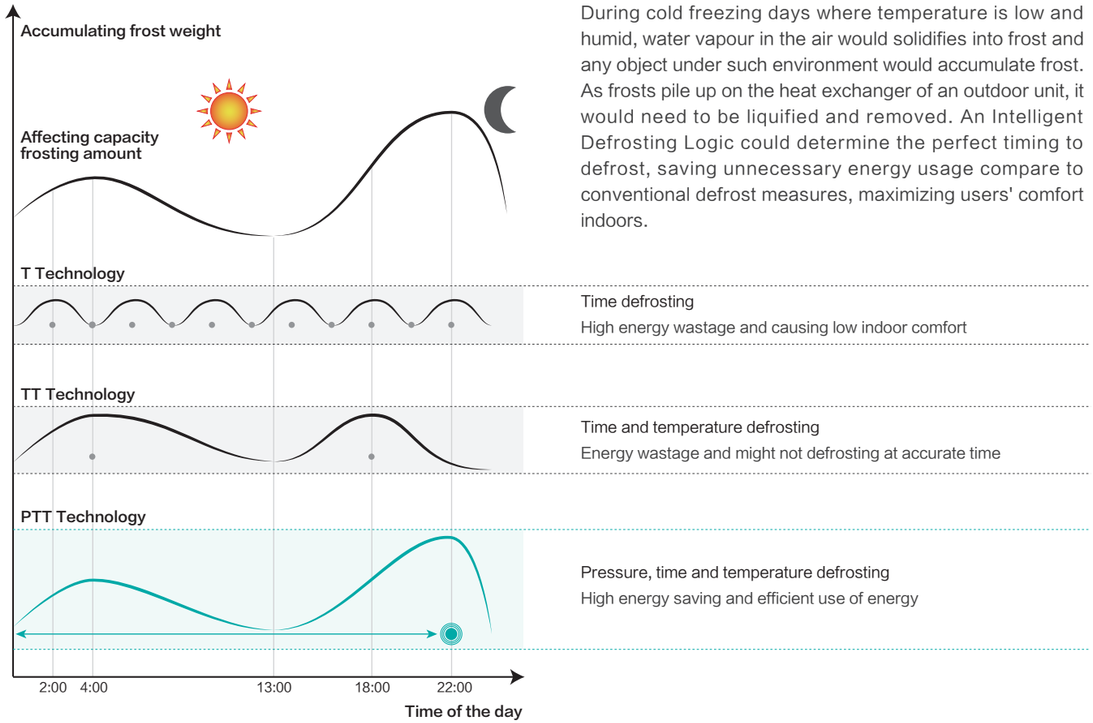


2 to 1 refrigerant circuit:
velocity is maintained same goes to the efficiency of refrigerant heat exchange.

Conventional refrigerant circuit:
Heat exchange slows down with decreased velocity. Efficiency is greatly reduced.

Intelligent Defrosting Logic

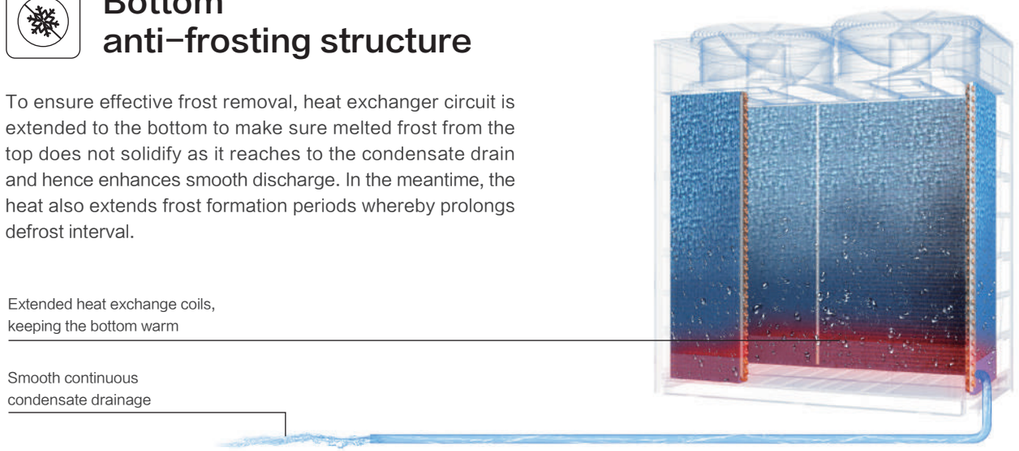
PTT defrosting mode



During cold freezing days where temperature is low and humid, water vapour in the air would solidifies into frost and any object under such environment would accumulate frost. As frosts pile up on the heat exchanger of an outdoor unit, it would need to be liquified and removed. An Intelligent Defrosting Logic could determine the perfect timing to defrost, saving unnecessary energy usage compare to conventional defrost measures, maximizing users' comfort indoors.

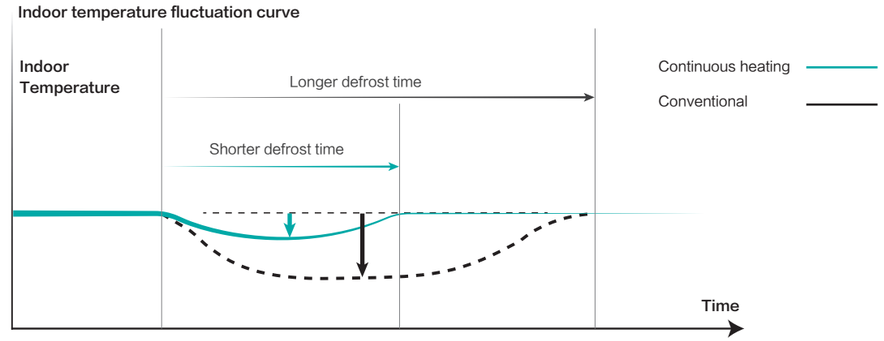
Bottom anti-frosting structure

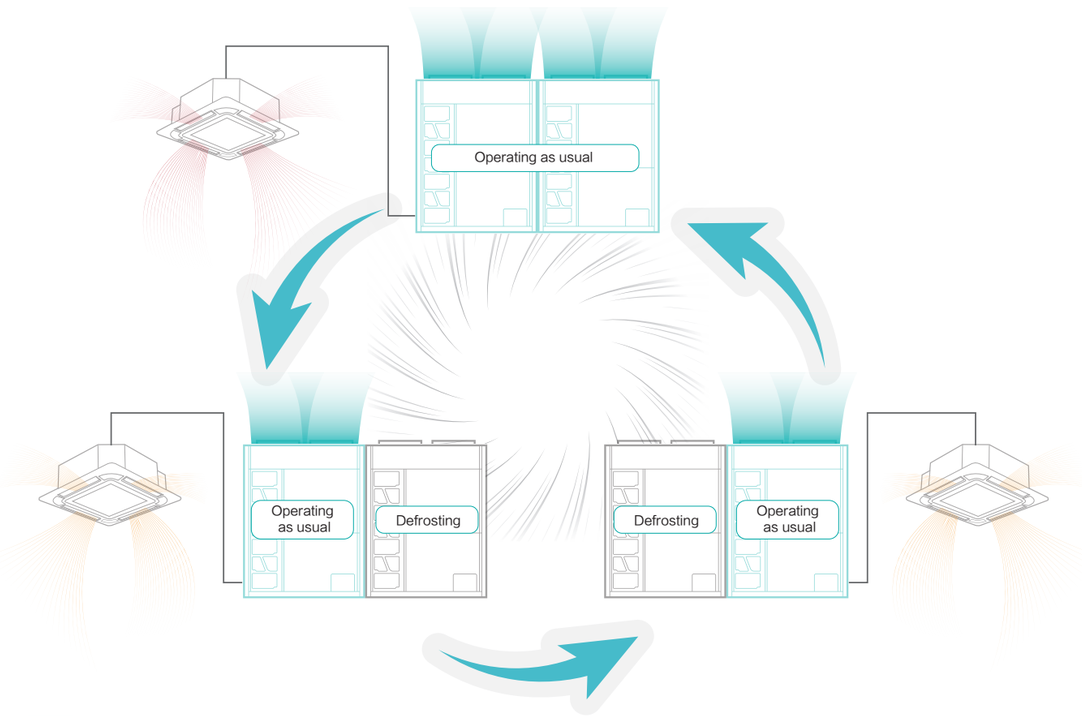
To ensure effective frost removal, heat exchanger circuit is extended to the bottom to make sure melted frost from the top does not solidify as it reaches to the condensate drain and hence enhances smooth discharge. In the meantime, the heat also extends frost formation periods whereby prolongs defrost interval.



Continuous heating during defrost

The module combination design can achieve rotation defrosting among modules for decreasing indoor temperature fluctuation, so as to improve users' comfort.





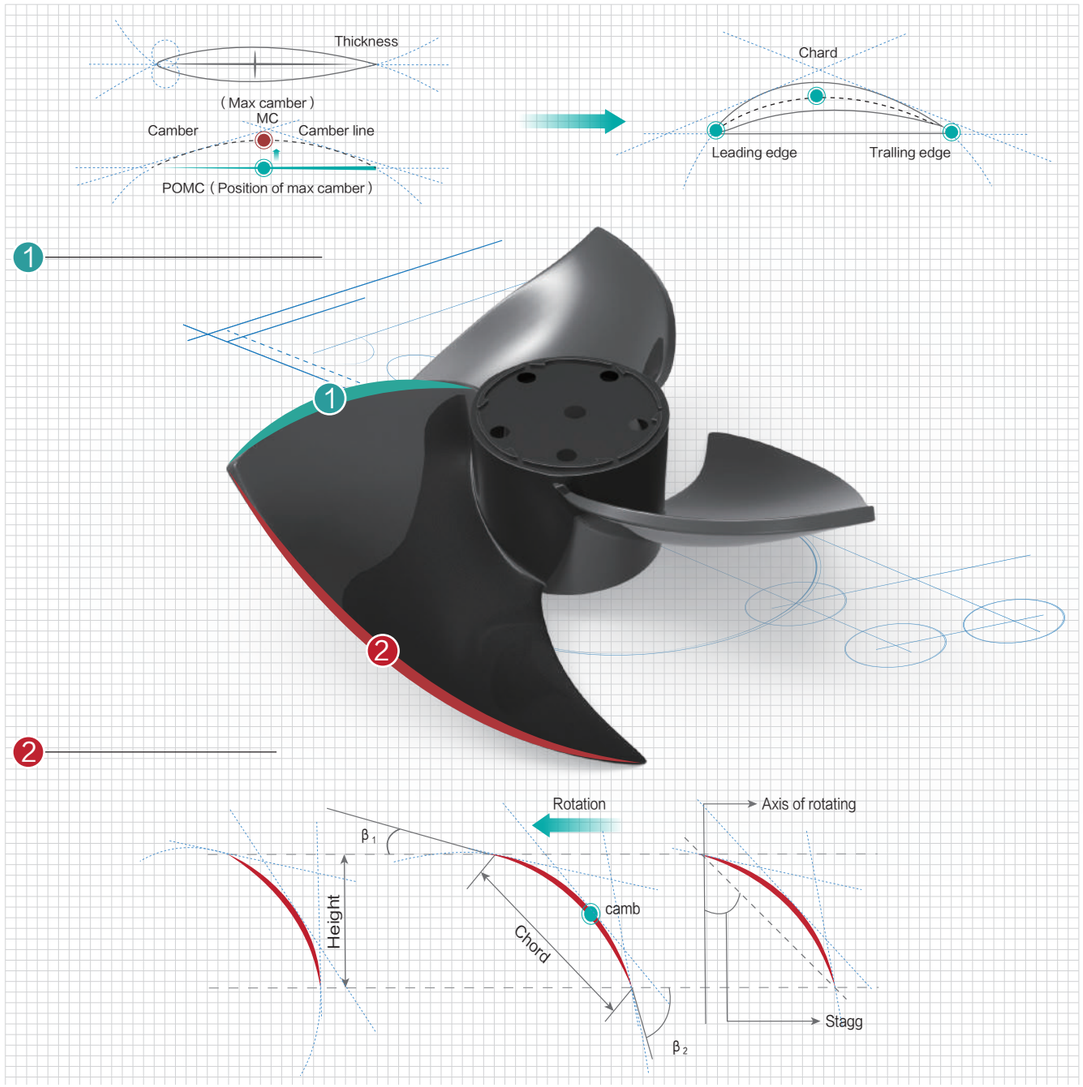
Note

Only available for module combinations of Hi-FLEXi S Heat Recovery.

Steady Air Discharge

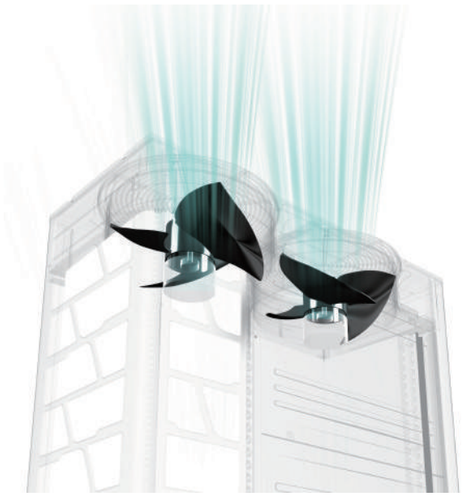
High efficiency aerodynamic axial fan

The propeller bearing which acts as the joint connecting the propeller and motor are specially treated with anti-rain corrosion treatment and propeller made of fiber glass composite is now better corrosion resistance.
Fan blades are aerodynamically designed to reduce energy wastage in converting power consumed to unnecessary noise energy, reserving the energy to improve on flowrate performance and static pressure. Integration with brushless DC fan motor further improves the efficiency and reduces noise of the propeller structure.



Stepless-smooth fan speed control

Inverter fan motors are now commonly used, where efficiency increase by 40%. Whereas in Hisense VRF, brushless DC fan motors are used, as it could further reduces power consumption and noise production than normal inverter motors.



Efficient axial fan

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 (Et) according to actual indoor loads automatically in a wide range. The Et is raised to minimize the difference with the condensing temperature when the air-conditioning load is low, thus further improving the energy efficiency.

Features:

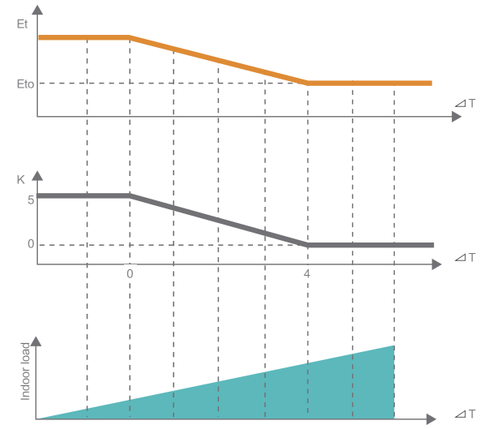
1. Energy efficiency is improved without sacrificing comfort.

2. ART is particularly efficient under low-load operation.

3. The initial evaporation temperature can be adjusted between 2-11℃, which is the widest in the market.

4. Realize rapid cooling with lower evaporating temperature.

5. Avoiding cold draft with higher evaporating temperature.



Et=Eto+K
Et: Evaporation temperature
Eto: The initial evaporation temperature
△T: The temperature difference between air inlet and the setting temperature

Hisense VRF

COMFORT

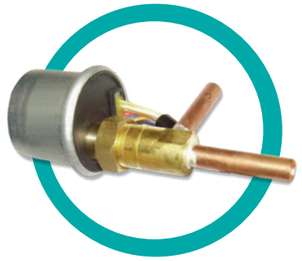
- Smart Air Supply
- Lower Noise
- Clean Fresh Air
- Auto Refrigerant Temperature Control (ART)
- VIP Mode

AIR CONDITIONING SOLUTION

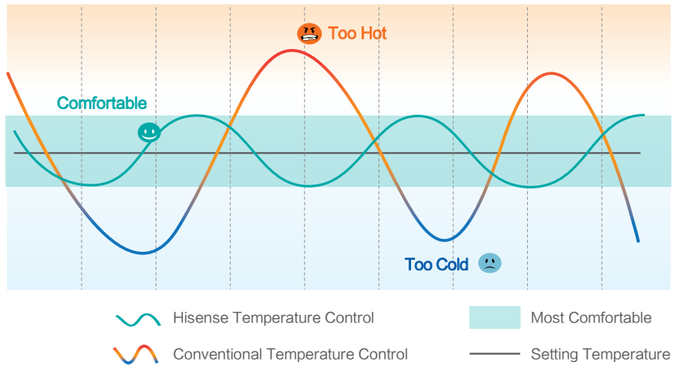
Smart Air Supply

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.

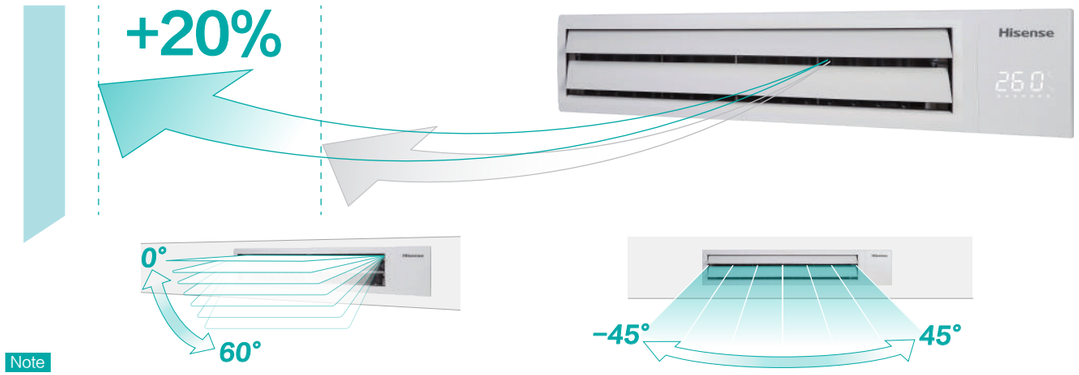


2000-step EEV



3D air-flow panel(optional)

The 3D air-flow panel with luxurious appearance is available for the low-height ceiling ducted indoor units (optional). The 3D airflow panel can offer even airflow and wide airflow coverage to keep every corners of your room cool or warm. It also has three wind setting, normal mode, 3D mode and super long distance mode, flexible for you choice.

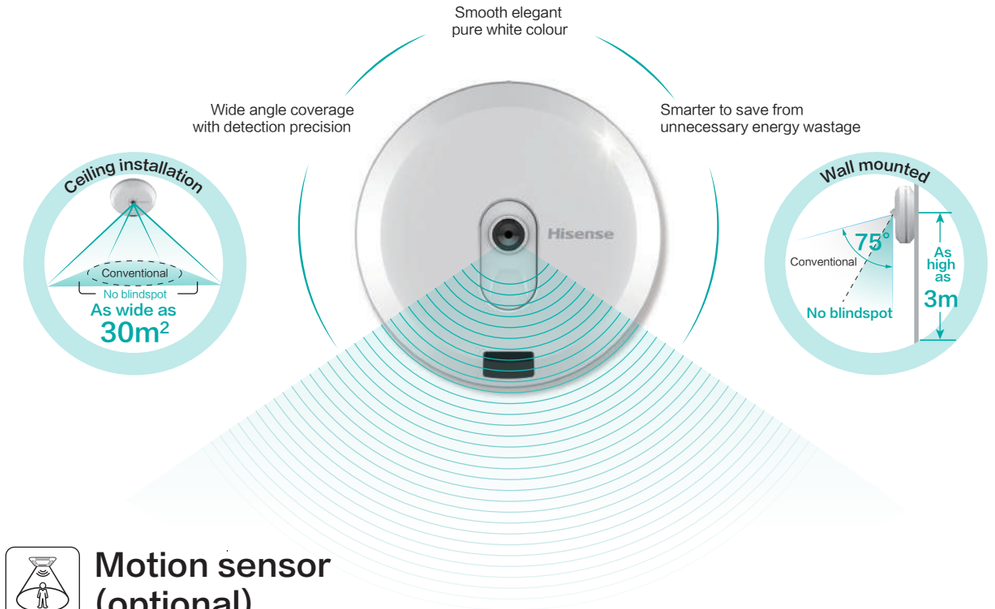


Note

It's optional for the AC/DC low height ceiling ducted unit.

Hi-motion (optional)

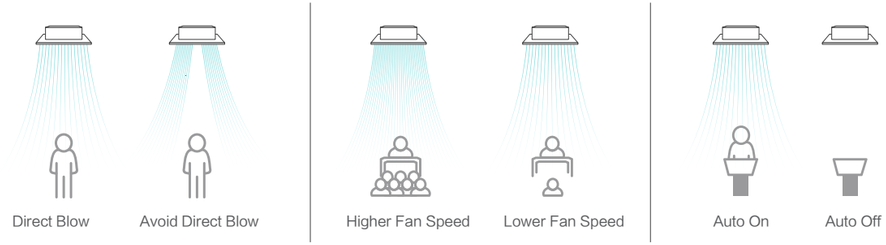
Hi-Motion works as an independent human sensor and can be installed separately from indoor unit. It can detect the human activities indoors to provide comfort and energy savings.
1. Automatically stops the unit when no one is in the room in order to realize energy saving.
2. Adjusting the setting temperature and air flow according to the actual human activity.



Motion sensor (optional)

Motion Sensor, assembled in the panel of 4-Way Cassette and Mini 4-Way Cassette, 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.

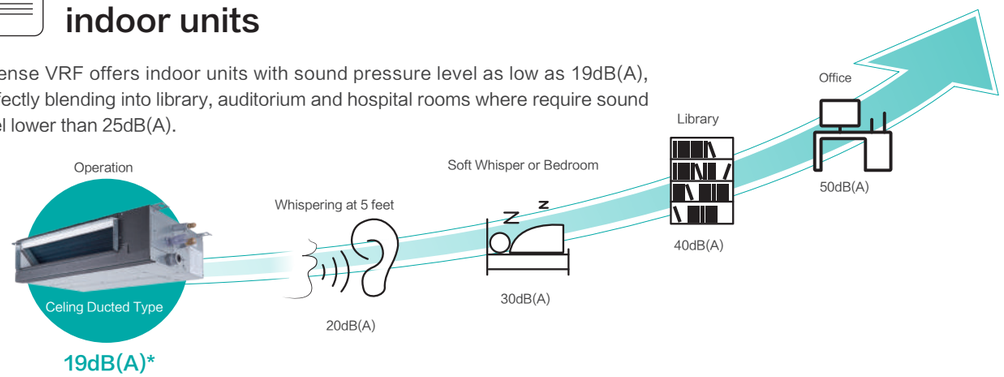
Motion detector



Lower Noise

Lower noise for indoor units

Hisense VRF offers indoor units with sound pressure level as low as 19dB(A), perfectly blending into library, auditorium and hospital rooms where require sound level lower than 25dB(A).



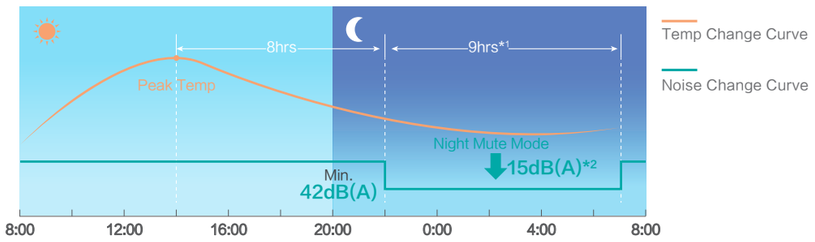
Note

* The DC ceiling ducted type (AVD-07HJFH) can achieve the 19dB(A) under the standard test condition.

Outdoor unit noise control

Auto night quiet mode

When outdoor conditions call for special low noise requirements, like in cases where outdoor units are installed in indoor equipment rooms with poor soundproof walls or continuous night operating conditions. The night mode reduces sound pressure levels upto 30% routinely with flexible time intervals to meet different customer needs.



Note

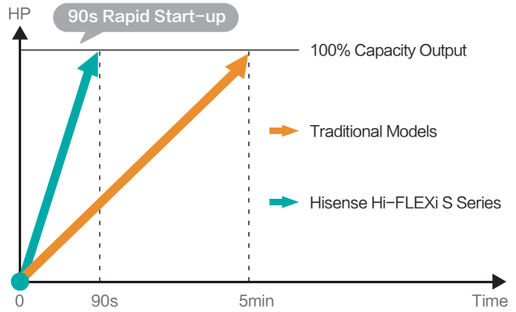
*1 : The night mute mode can last for 8hrs, 9hrs or 10hrs according to the setting.
*2 : Take the unit AVWT-96HKFSEA of S mavo+ series as an example.

Low noise mode

Low noise mode can be set by operating the DIP in the PCB. There are multiple levels by set different frequencies of compressor and fan motor speed. What's more, the low noise mode can be achieved by external input signal. The noise can be reduced by up to 14dB(A).

90s Rapid Heating Start-up

To keep you comfortable and cozy as fast as possible, Hisense VRF starts supplying warm air so rapidly with only just 90s reaching a 100% capacity output. Besides, even in extreme whether condition like −15℃ outdoor temperature, Hisense VRF performance is tested with persisting capability to supply 40℃ or higher warm air within 7 minutes.



*Taking 66HP as an example

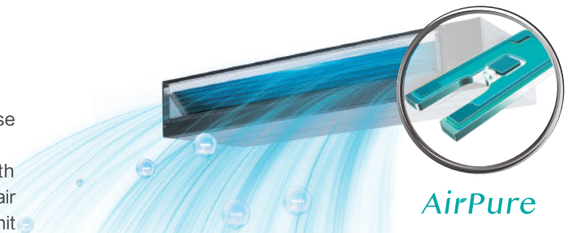
VIP Mode

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 AC unit in the presidential suite is often set to VIP mode.

Clean 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 which is an authentication for air-conditioning sterilization products.



*Take AVE-09HCFRL as the test sample.

Scan the QR code to view the product introduction video.

Anti-Bacteria and Anti-Virus

Formaldehyde Removal

Anti-mold

Odor Removal

PM2.5 Purification

Anti-allergen

Note

4-way Cassette, Mini 4-way Cassette, Console, Ceiling Ducted can be equipped with the AirPure kit (optional).

Humidity sensor (optional)

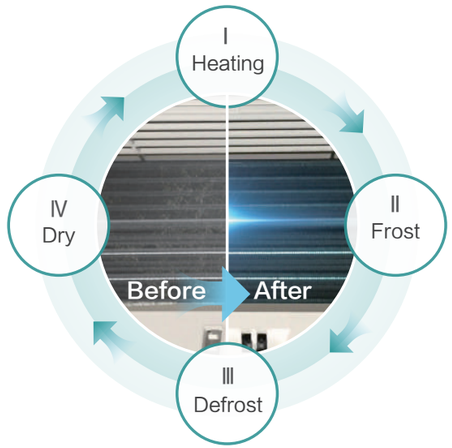
To keep up with the indoor quality requirements, Hisense VRF offers auto dehumidification function and it can be achieved by choosing a humidity sensor, and the control range is from 35% to 90%.

Self-cleaning function

Featured with self-cleaning technology, the evaporator can be self-cleaned automatically, preventing the dust and potentially harmful substances from accumulating on the surface of the heat exchanger. Thus the air blown from the air conditioner is clean and healthy.

Note

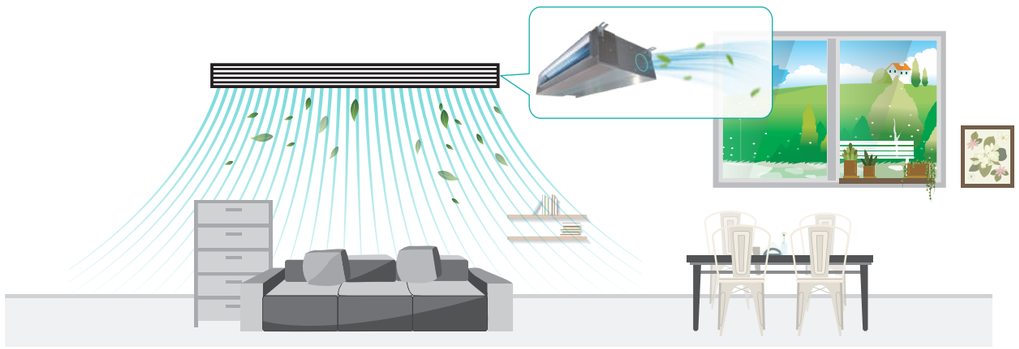
The self-cleaning function is available in the wall mounted unit and DC high ESP ceiling ducted unit(AVD-07~AVD-54).



4 processes for deep cleaning

Fresh air intake

New Hisense VRF indoor units are now infused with a fresh air duct opening for 10% free fresh air introductory directly from outdoor air, creating a comfortable and health environment.



Hisense VRF

FLEXIBILITY

Design Flexibility

Installation Convenience

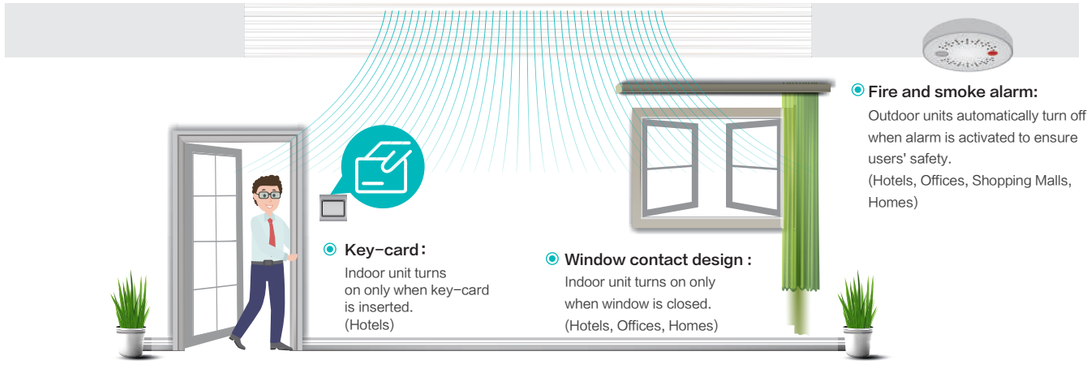
Service & Maintenance Simplicity

AIR
CONDITIONING
SOLUTION

Design Flexibility

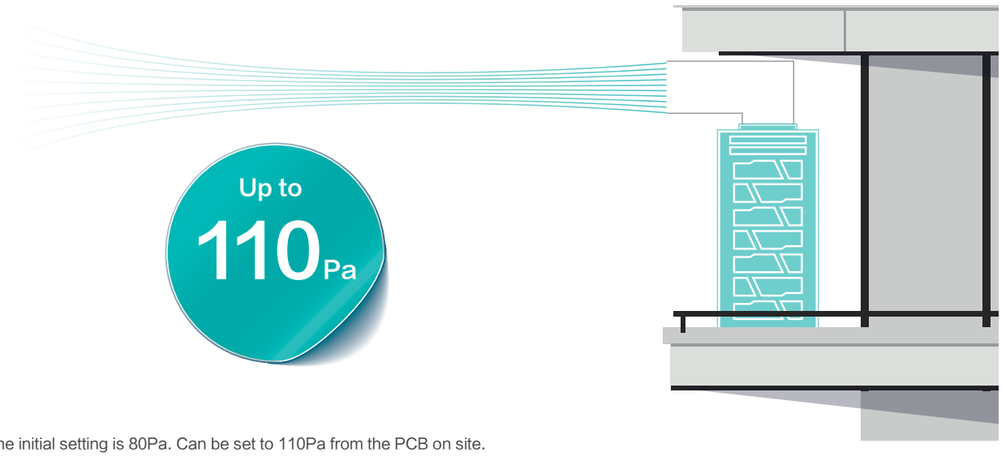
Interlocking solution using dry contact

3rd party thermostats can be used to control the air conditioner in a room by using the dry contact interface. Indoor units can be interlocked with various types of input signal such as key-card, window contact signal, smoke alarm signal and so on.



Adaptive fan static pressure technology

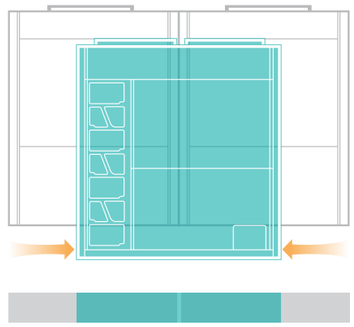
External static pressure is essential to determine the air discharge and duct connection distance. Hisense VRF's outdoor unit external static pressure is reachable upto 110Pa compare to the conventional 80Pa. Allowing longer ducting connection for better air discharge when are installed in the equipment platform that is not easy to exhaust.

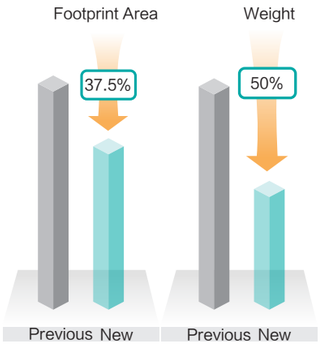


Note The initial setting is 80Pa. Can be set to 110Pa from the PCB on site.

Larger capacity, minimizing footprint area

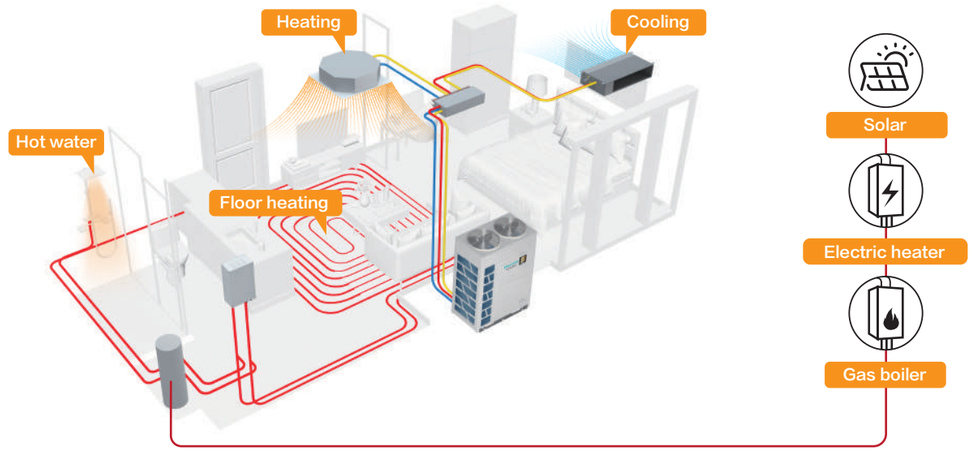
Hisense VRF outdoor units now possess larger capacity per single module unit. Reducing the installation floor space significantly also eliminates the necessity of modules for bigger capacity. Despite the beneficial space saving properties, same goes to the unit's weight per capacity too. Hence, offering more design and installation flexibility even in limited spaces.





All in one renewable energy solution

Hisense VRF heat recovery series offers an ultimate solution to satisfy heating and cooling, domestic hot water supply, floor/wall/ceiling cooling and heating simultaneously. The heat recovery system is also compatible with any auxiliary heaters like solar, electric heater and gas boiler to supply additional energy to the system in unfavorable conditions.



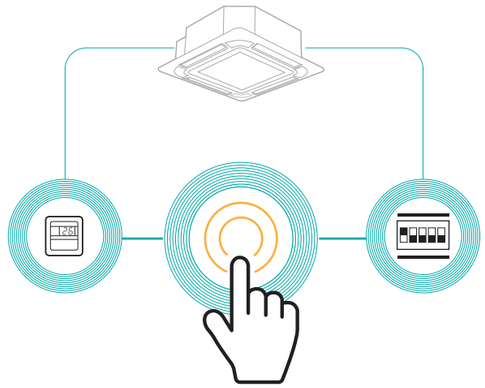
Installation Convenience

Compact and light-weight

With larger capacity per unit, Hisense VRF outdoor units are more compact in size with the largest capacity of 28HP single module, leading capacity of a single module in the market. Compact yet reduced overall weight makes transportation much convenient and even fit into elevators.

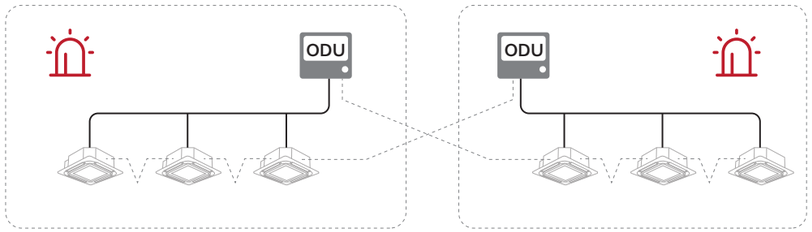
One-touch test run

Test run is one of the essential part in testing and commissioning to make sure the HVAC system in a building works steadily and safely before hand over or soft opening. To make test run as simple as possible, Hisense VRF systems are capable to conduct test runs with just a button away wherever installers are, both indoors and outdoors.



Mistake impossible communication connection

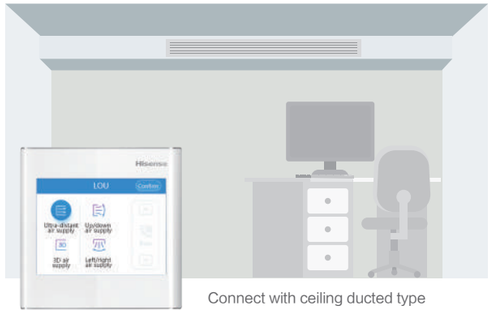
Communication line connections between outdoor unit to indoor units might be confusing when comes to long cables from the outdoors to the indoors and vise versa. It is often incorrectly connected and caused various errors affecting the end user's comfort levels. Despite of Hisense VRF's simple wiring connection ports, the outdoor unit itself could also check on the connections and display warnings when the connections are improper.



Indoor units from different systems are connected to the incorrect outdoor unit, alarm codes flashes out warning installers to make proper corrections.

Intelligent matching IDUs

Match all kinds of hisense indoor units. If each air deflector can be controlled independently, the key will light. On the contrary, the key will dim and you can not click.



Connect with ceiling ducted type

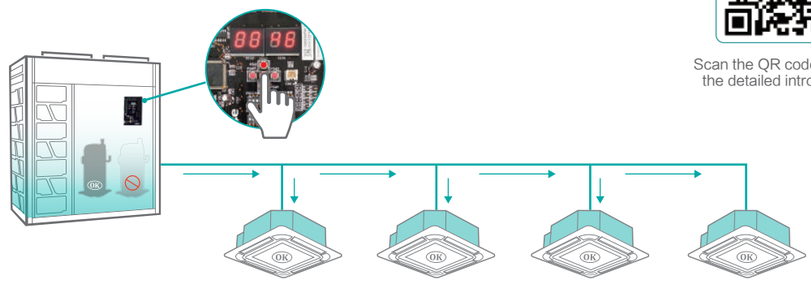
Connect with 4-way cassette type

One-touch refrigerant recycle

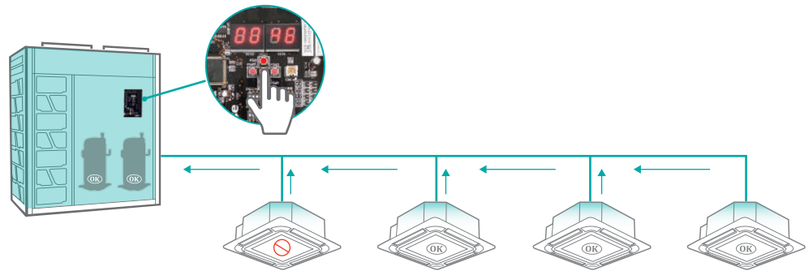
Hisense VRF has one-touch refrigerant recycle function. Just with a press of the button on the PCB, the refrigerant can be recycled directly, it is very helpful and convenient when the indoor units or the compressor are under repair.

Scan the QR code to view the detailed introduction

Replacing Compressor



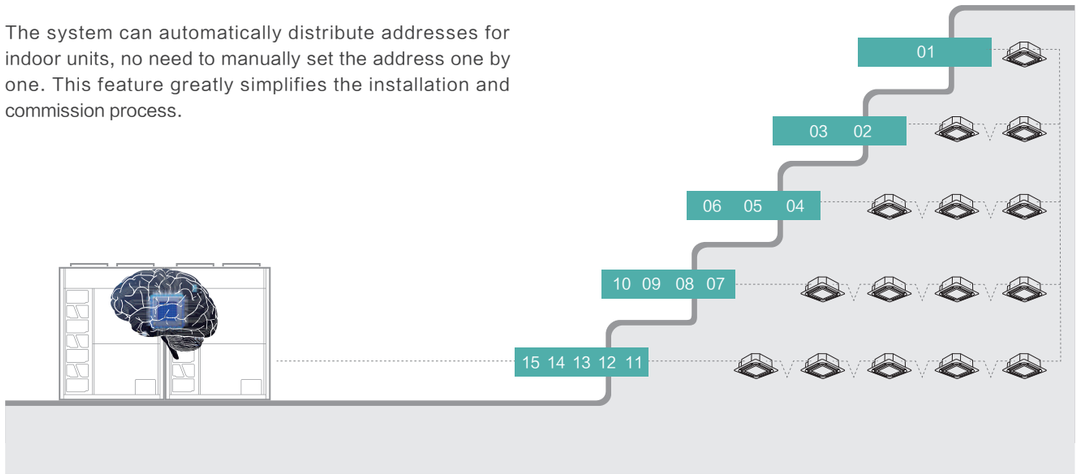
Replacing Indoor Unit



Service & Maintenance Simplicity

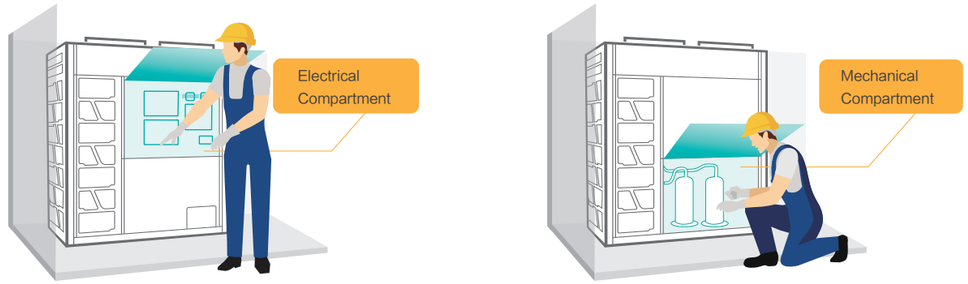
Automatic address distribution

The system can automatically distribute addresses for indoor units, no need to manually set the address one by one. This feature greatly simplifies the installation and commission process.



Separated mechanical & electrical compartment

The outdoor unit's mechanical and electrical segments is now designed and optimized repositioned separately for a more organized maintenance. The electrical and electronics are placed on top of the compressors and accumulator to meet the practical law of center of gravity, hence minimizing toppling accidents and unnecessary vibration produced during operation. Besides, it also maximizes the heat dissipation of eletrical box to keep the electrical in a stable temperature by maximizing airflow passed by.

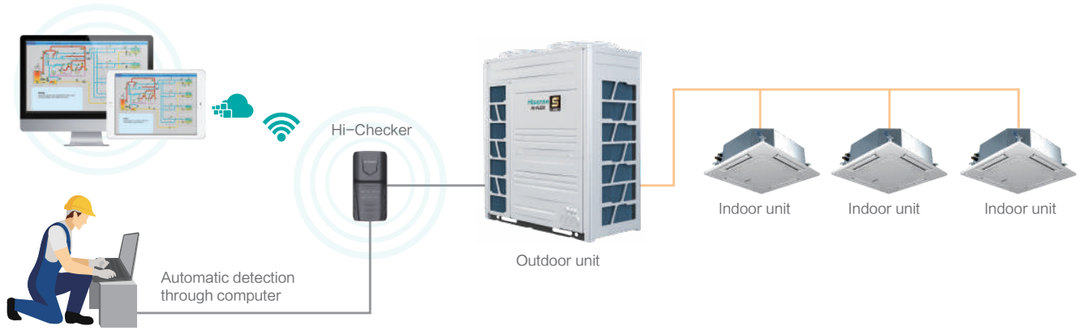


Safe and convenient system management

The new outdoor units are equipped with a service window on top of the electrical box protection panel for easy access to parameters checking and maintenance manipulation safely without exposing to high voltage segments of the electric box. With the new service windows, press switch buttons, DIP switches and the 7 segment LED operation are made safer and more convenient to operate.

Accurate 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.



Hisense VRF

OUTDOOR UNIT

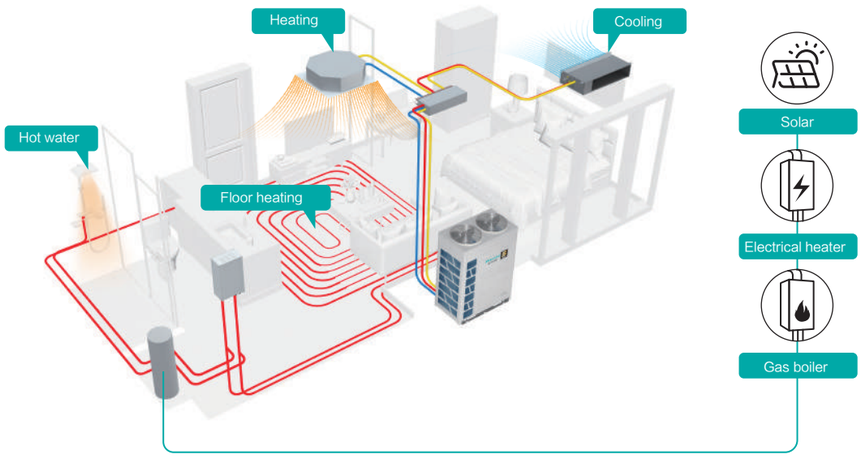
- Hi-FLEXi S Series Heat Recovery
- Hi-FLEXi S Series
- Hi-FLEXi S mavo+ Series
- Hi-FLEXi X3 Series
- Hi-FLEXi W Series
- Hi-Smart H5 Series
- Hi-Smart E+ L+ C+ Series
- Hi-Smart H Series

AIR
CONDITIONING
SOLUTION

Hi-FLEXi S Heat Recovery Series

All in One Renewable Energy Solution

With S heat recovery series, cooling and heating of air can be realised simultaneously including water. During summer, it serves cool indoor rooms and warm water supply for night showers. With the same system, floor heating and fan coil unit heating and cooling can be done during season transition periods.

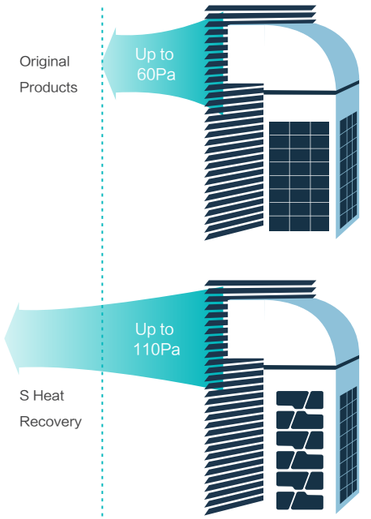


200% Connection Ratio

The powerful S heat recovery series outdoor units are connectable to indoor units up to 2 times of its own capacity with ratio of 200% for a more efficient and cost saving system.

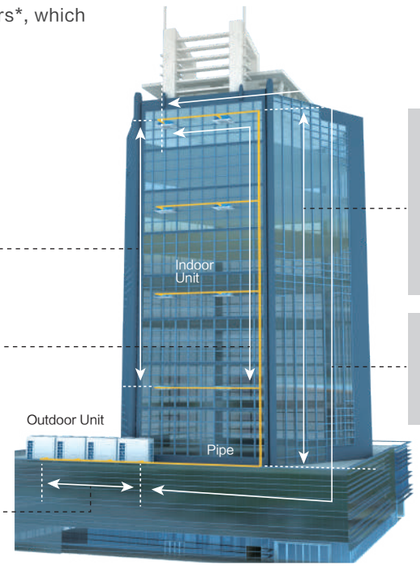
External Static Pressure

External static pressure is reachable up to 110Pa, allowing better air discharge when are installed indoors with ducting or even outdoors in poor air ventilation spaces.



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.



Maximum height difference of indoor units: 15m(30m*)

Maximum length from the first branch pipe to the farthest indoor unit: 90m

Largest pipe length between outdoor units: 10m

Maximum height difference between indoor and outdoor units:
when the outdoor unit is above: 50m(90m*)
when the outdoor unit is below: 40m(90m*)

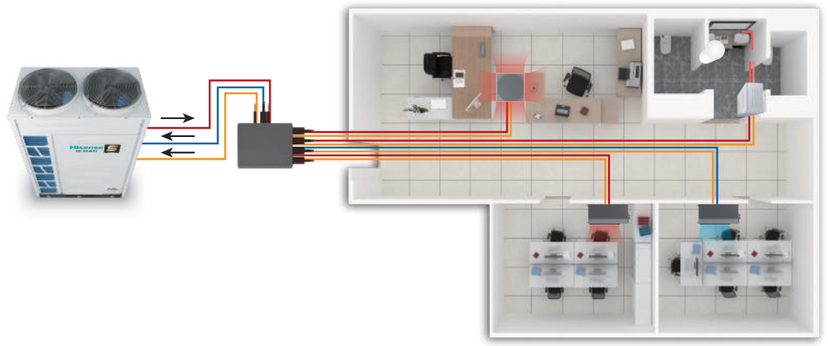
Maximun actural length of a single pipe: 165m
Total length of pipes: 1000m

*Note: For detailed information, please contact Hisense's technical staff.

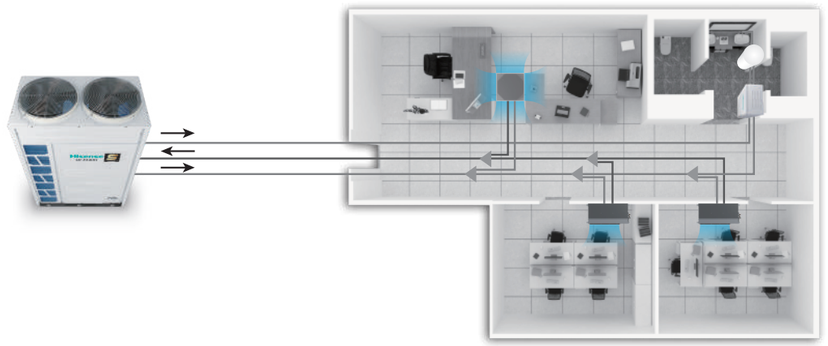
New Upgraded Switch Box

Switch box defies the complicated piping of 3pipe heat recovery systems and simplifies the system with lesser connections and piping including refrigerant and condensate piping. Now with larger capacity up to 85kW for larger systems and increased up to 16 branch ports for more indoor units connections.

Heating Domination Mode

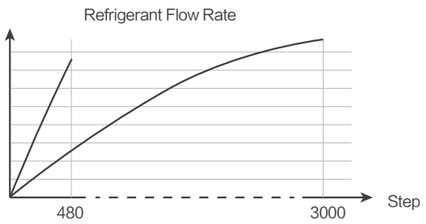


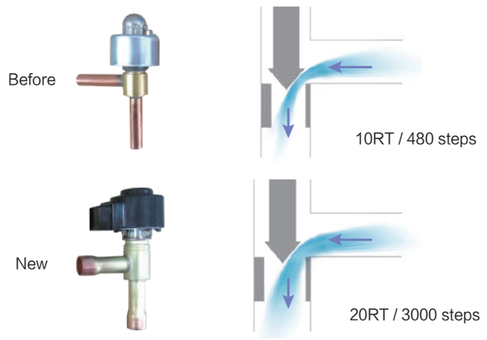
3 Pipes Without Switch Box



Dual 20RT EEV

Compared with conventional 10RT EEV with 480 steps, dual 20RT EEV with 3000pls can better reduce pressure loss and improve performance.





Hi-FLEXi S Heat Recovery

HP			8HP	10HP	12HP	14HP	16HP	18HP
Model	Model		AVWT-76FKFSA	AVWT-96FKFSA	AVWT-114FKFSA	AVWT-136FKFSA	AVWT-154FKFSA	AVWT-170FKFSA
	Modules		——	——	——	——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	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	4.87	6.75	8.09	10.26	12.16	14.04
	EER	kW/kW	4.60	4.15	4.14	3.90	3.70	3.56
Heating	Capacity(Max/Nom)	kW	25.0 / 22.4	31.5 / 28.0	37.5 / 33.5	45.0 / 40.0	50.0 / 45.0	56.0 / 50.0
		kBtu/h	85.3 / 76.4	107.5 / 95.5	128.0 / 114.3	153.5 / 136.5	170.6 / 153.5	191.1 / 170.6
	Power Input(Max/Nom)	kW	5.20 / 4.36	6.77 / 5.63	9.17 / 7.70	10.82 / 8.89	12.14 / 10.32	14.74 / 12.02
	COP(Max)	kW/kW	4.81	4.65	4.09	4.16	4.12	3.80
Ventilation	Air Flow Rate	m^3/min	183	183	183	200	200	200
	Fan Quantity		1	1	1	2	2	2
	Static Pressure	Pa	110	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	59	60	62	62	62	62
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	pcs	1	1	1	1	1	2
Refrigerant	Type	–	R410A					
	Pre-charged Quantity	kg	5.60	5.90	6.00	8.80	8.80	9.20
Weight	Net Weight	kg	226	227	246	289	290	349
	Gross Weight	kg	246	247	266	311	312	371
Dimensions	External(HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
	Packing(HxWxD)	mm	1930x1015x790	1930x1015x790	1930x1015x790	1930x1275x790	1930x1275x790	1930x1275x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ19.05(3/4)	Φ22.20(7/8)	Φ25.40(1)	Φ25.40(1)	Φ28.60(1-1/8)	Φ28.60(1-1/8)
	High/Low Pressure Gas Line	mm(in.)	Φ15.88(5/8)	Φ19.05(3/4)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)
	Liquid Line	mm(in.)	Φ9.53(3/8)	Φ9.53(3/8)	Φ12.70(1/2)	Φ12.70(1/2)	Φ12.70(1/2)	Φ15.88(5/8)
Heat Pump Operation System	Gas Line	mm(in.)	Φ19.05(3/4)	Φ22.20(7/8)	Φ25.40(1)	Φ25.40(1)	Φ28.60(1-1/8)	Φ28.60(1-1/8)
	Liquid Line	mm(in.)	Φ9.53(3/8)	Φ9.53(3/8)	Φ12.70(1/2)	Φ12.70(1/2)	Φ12.70(1/2)	Φ15.88(5/8)
Connectable Indoor Units	Quantity	pcs	13	16	19	23	26	29
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
*1: If you have any questions, please contact with the technical engineer.
*2: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Heat Recovery

HP			20HP	22HP	24HP	26HP	28HP
Model	Model		AVWT-190FKFSA	AVWT-212FKFSA	AVWT-232FKFSA	AVWT-250FKFSA	AVWT-272FKFSA
	Modules		——	——	——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	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	15.60	18.04	20.61	21.90	24.24
	EER	kW/kW	3.59	3.41	3.30	3.31	3.30
Heating	Capacity(Max/Nom)	kW	63.0 / 56.0	69.0 / 61.5	75.0 / 68.0	80.0 / 72.5	90.0 / 80.0
		kBtu/h	215.0 / 191.1	235.4 / 209.8	255.9 / 232.0	273.0 / 247.4	307.1 / 273.0
	Power Input(Max/Nom)	kW	16.54 / 13.56	18.80 / 15.89	21.43 / 18.38	22.35 / 19.23	26.01 / 21.92
	COP(Max)	kW/kW	3.81	3.67	3.50	3.58	3.46
Ventilation	Air Flow Rate	m^3/min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	63	64	66	67	67
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	2	2	2	2	2
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	9.80	10.60	10.60	11.50	11.50
Weight	Net Weight	kg	369	377	378	400	401
	Gross Weight	kg	393	401	402	426	427
Dimensions	External(HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing(HxWxD)	mm	1930x1420x790	1930x1420x790	1930x1420x790	1930x1665x790	1930x1665x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ31.75(1-1/4)	Φ31.75(1-1/4)
	High/Low Pressure Gas Line	mm(in.)	Φ22.2(7/8)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ28.6(1-1/8)
	Liquid Line	mm(in.)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)	Φ19.05(3/4)	Φ19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ31.75(1-1/4)	Φ31.75(1-1/4)
	Liquid Line	mm(in.)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)	Φ19.05(3/4)	Φ19.05(3/4)
Connectable Indoor Units	Quantity	pcs	33	36	40	43	47
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
*1: If you have any questions, please contact with the technical engineer.
*2: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Heat Recovery

HP			30HP	32HP	34HP	36HP	38HP
Model	Model		AVWT-290FKFSA	AVWT-308FKFSA	AVWT-324FKFSA	AVWT-344FKFSA	AVWT-360FKFSA
	Modules		AVWT-136FKFSA AVWT-154FKFSA	AVWT-154FKFSA AVWT-154FKFSA	AVWT-154FKFSA AVWT-170FKFSA	AVWT-154FKFSA AVWT-190FKFSA	AVWT-170FKFSA AVWT-190FKFSA
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	85.0	90.0	95.0	101.0	106.0
		kBtu/h	290.0	307.1	324.1	344.6	361.7
	Power Input	kW	22.41	24.32	26.20	27.75	29.64
	EER	kW/kW	3.79	3.70	3.63	3.64	3.58
Heating	Capacity(Max/Nom)	kW	95.0 / 85.0	100.0 / 90.0	106.0 / 95.0	113.0 / 101.0	119.0 / 106.0
		kBtu/h	324.1 / 290.0	341.2 / 307.1	361.7 / 324.1	385.6 / 344.6	406.0 / 361.7
	Power Input(Max/Nom)	kW	22.95 / 19.21	24.27 / 20.64	26.82 / 22.33	28.62 / 23.86	31.27 / 25.58
	COP(Max)	kW/kW	4.14	4.12	3.95	3.95	3.81
Ventilation	Air Flow Rate	m^3/min	400	400	400	467	467
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	67	67	67	67	67
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	2	2	3	3	4
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	8.80+8.80	8.80+8.80	8.80+9.20	8.80+9.80	9.20+9.80
Weight	Net Weight	kg	289+290	290+290	290+349	290+369	349+369
	Gross Weight	kg	311+312	312+312	312+371	312+393	371+393
Dimensions	External(HxWxD)	mm	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1350) x750	1730x (1210+1350) x750
	Packing(HxWxD)	mm	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1420) x790	1930x (1275+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	High/Low Pressure Gas Line	mm(in.)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ31.75(1-1/4)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Connectable Indoor Units	Quantity	pcs	50	53	56	59	64
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
*1: If you have any questions, please contact with the technical engineer.
*2: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Heat Recovery

HP			40HP	42HP	44HP	46HP	48HP
Model	Model		AVWT-380FKFSA	AVWT-402FKFSA	AVWT-422FKFSA	AVWT-444FKFSA	AVWT-464FKFSA
	Modules		AVWT-190FKFSA AVWT-190FKFSA	AVWT-170FKFSA AVWT-232FKFSA	AVWT-190FKFSA AVWT-232FKFSA	AVWT-212FKFSA AVWT-232FKFSA	AVWT-232FKFSA AVWT-232FKFSA
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	112.0	118.0	124.0	129.5	136.0
		kBtu/h	382.1	402.6	423.1	441.9	464.0
	Power Input	kW	31.20	34.60	36.15	38.63	41.21
	EER	kW/kW	3.59	3.41	3.43	3.35	3.30
Heating	Capacity(Max/Nom)	kW	126.0 / 112.0	131.0 / 118.0	138.0 / 124.0	144.0 / 129.5	150.0 / 136.0
		kBtu/h	429.9 / 382.1	447.0 / 402.6	470.9 / 423.1	491.3 / 441.9	511.8 / 464.0
	Power Input(Max/Nom)	kW	33.07 / 27.12	36.12 / 30.30	37.92 / 31.85	40.21 / 34.25	42.86 / 36.76
	COP(Max)	kW/kW	3.81	3.63	3.64	3.58	3.50
Ventilation	Air Flow Rate	m^3/min	534	496	563	592	592
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	67	67	68	68	69
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	4	4	4	4	4
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	9.80+9.80	9.20+10.60	9.80+10.60	10.60+10.60	10.60+10.60
Weight	Net Weight	kg	369+369	349+378	369+378	377+378	378+378
	Gross Weight	kg	393+393	371+402	393+402	401+402	402+402
Dimensions	External(HxWxD)	mm	1730x (1350+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
	Packing(HxWxD)	mm	1930x (1420+1420) x790	1930x (1275+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	High/Low Pressure Gas Line	mm(in.)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
*1: If you have any questions, please contact with the technical engineer.
*2: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Heat Recovery

HP			50HP	52HP	54HP	56HP
Model	Model		AVWT-482FKFSA	AVWT-504FKFSA	AVWT-522FKFSA	AVWT-544FKFSA
	Modules		AVWT-232FKFSA AVWT-250FKFSA	AVWT-232FKFSA AVWT-272FKFSA	AVWT-250FKFSA AVWT-272FKFSA	AVWT-272FKFSA AVWT-272FKFSA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	140.5	148.0	152.5	160.0
		kBtu/h	479.4	505.0	520.3	545.9
	Power Input	kW	42.51	44.85	46.15	48.48
	EER	kW/kW	3.31	3.30	3.30	3.30
Heating	Capacity(Max/Nom)	kW	155.0 / 140.5	165.0 / 148.0	170.0 / 152.5	180.0 / 160.0
		kBtu/h	528.9 / 479.4	563.0 / 505.0	580.0 / 520.3	614.2 / 545.9
	Power Input(Max/Nom)	kW	43.77 / 37.60	47.44 / 40.29	48.33 / 41.13	52.02 / 43.84
	COP(Max)	kW/kW	3.54	3.48	3.52	3.46
Ventilation	Air Flow Rate	m^3/min	646	646	700	700
	Fan Quantity		4	4	4	4
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	70	70	70	70
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	4	4	4	4
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	10.60+11.50	10.60+11.50	11.50+11.50	11.50+11.50
Weight	Net Weight	kg	378+400	378+401	400+401	401+401
	Gross Weight	kg	402+426	402+427	426+427	427+427
Dimensions	External(HxWxD)	mm	1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
	Packing(HxWxD)	mm	1930x (1420+1665) x790	1930x (1420+1665) x790	1930x (1665+1665) x790	1930x (1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ41.3(1-5/8)
	High/Low Pressure Gas Line	mm(in.)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ38.1(1-1/2)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ22.2(7/8)
Heat Pump Operation System	Gas Line	mm(in.)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ41.3(1-5/8)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ22.2(7/8)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
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Hi-FLEXi S Heat Recovery

HP			58HP	60HP	62HP	64HP
Model	Model		AVWT-552FKFSA	AVWT-570FKFSA	AVWT-592FKFSA	AVWT-612FKFSA
	Modules		AVWT-170FKFSA AVWT-170FKFSA AVWT-212FKFSA	AVWT-190FKFSA AVWT-190FKFSA AVWT-190FKFSA	AVWT-170FKFSA AVWT-190FKFSA AVWT-232FKFSA	AVWT-190FKFSA AVWT-190FKFSA AVWT-232FKFSA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	161.5	168.0	174.0	180.0
		kBtu/h	551.0	573.2	593.7	614.2
	Power Input	kW	46.11	46.80	50.18	51.72
	EER	kW/kW	3.50	3.59	3.47	3.48
Heating	Capacity(Max/Nom)	kW	181.0 / 161.5	189.0 / 168.0	194.0 / 174.0	201.0 / 180.0
		kBtu/h	617.6 / 551.0	644.9 / 573.2	661.9 / 593.7	685.8 / 614.2
	Power Input(Max/Nom)	kW	48.27 / 39.89	49.61 / 40.68	52.64 / 43.83	54.43 / 45.37
	COP(Max)	kW/kW	3.75	3.81	3.69	3.69
	Air Flow Rate	m³/min	696	801	763	830
Ventilation	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	70	70	70	70
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	9.20+9.20+10.60	9.80+9.80+9.80	9.20+9.80+10.60	9.80+9.80+10.60
Weight	Net Weight	kg	349+349+377	369+369+369	349+369+378	369+369+378
	Gross Weight	kg	371+371+401	393+393+393	371+393+402	393+393+402
Dimensions	External(HxWxD)	mm	1730x (1210+1210+1350) x750	1730x (1350+1350+1350) x750	1730x (1210+1350+1350) x750	1730x (1350+1350+1350) x750
	Packing(HxWxD)	mm	1930x (1275+1275+1420) x790	1930x (1420+1420+1420) x790	1930x (1275+1420+1420) x790	1930x (1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	High/Low Pressure Gas Line	mm(in.)	Φ41.3(1-5/8)	Φ41.3(1-5/8)	Φ41.3(1-5/8)	Φ41.3(1-5/8)
	Liquid Line	mm(in.)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)
Heat Pump Operation System	Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
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Hi-FLEXi S Heat Recovery

HP			66HP	68HP	70HP	72HP
Model	Model		AVWT-634FKFSA	AVWT-654FKFSA	AVWT-676FKFSA	AVWT-696FKFSA
	Modules		AVWT-190FKFSA AVWT-212FKFSA AVWT-232FKFSA	AVWT-190FKFSA AVWT-232FKFSA AVWT-232FKFSA	AVWT-212FKFSA AVWT-232FKFSA AVWT-232FKFSA	AVWT-232FKFSA AVWT-232FKFSA AVWT-232FKFSA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	185.5	192.0	197.5	204.0
		kBtu/h	632.9	655.1	673.9	696.0
	Power Input	kW	54.18	56.73	59.23	61.82
	EER	kW/kW	3.42	3.38	3.33	3.30
Heating	Capacity(Max/Nom)	kW	207.0 / 185.5	213.0 / 192.0	219.0 / 197.5	225.0 / 204.0
		kBtu/h	706.3 / 632.9	726.8 / 655.1	747.2 / 673.9	767.7 / 696.0
	Power Input(Max/Nom)	kW	56.72 / 47.74	59.33 / 50.20	61.63 / 52.62	64.29 / 55.14
	COP(Max)	kW/kW	3.65	3.59	3.55	3.50
	Air Flow Rate	m³/min	859	859	888	888
Ventilation	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	70	70	70	71
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	9.80+10.60+10.60	9.80+10.60+10.60	10.60+10.60+10.60	10.60+10.60+10.60
Weight	Net Weight	kg	369+377+378	369+378+378	377+378+378	378+378+378
	Gross Weight	kg	393+401+402	393+402+402	401+402+402	402+402+402
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750
	Packing(HxWxD)	mm	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	Φ41.3(1-5/8)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ22.2(7/8)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ22.2(7/8)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
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Hi-FLEXi S Heat Recovery

HP			74HP	76HP	78HP	80HP
Model	Model		AVWT-714FKFSA	AVWT-732FKFSA	AVWT-754FKFSA	AVWT-776FKFSA
	Modules		AVWT-232FKFSA AVWT-232FKFSA AVWT-250FKFSA	AVWT-232FKFSA AVWT-250FKFSA AVWT-250FKFSA	AVWT-232FKFSA AVWT-250FKFSA AVWT-272FKFSA	AVWT-232FKFSA AVWT-272FKFSA AVWT-272FKFSA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	208.5	213.0	220.5	228.0
		kBtu/h	711.4	726.8	752.3	777.9
	Power Input	kW	63.11	64.41	66.75	69.09
	EER	kW/kW	3.30	3.31	3.30	3.30
Heating	Capacity(Max/Nom)	kW	230.0 / 208.5	235.0 / 213.0	245.0 / 220.5	255.0 / 228.0
		kBtu/h	784.8 / 711.4	801.8 / 726.8	835.9 / 752.3	870.1 / 777.9
	Power Input(Max/Nom)	kW	65.19 / 55.98	66.11 / 56.83	69.76 / 59.51	73.45 / 62.21
	COP(Max)	kW/kW	3.53	3.55	3.51	3.47
Ventilation	Air Flow Rate	m^3/min	942	996	996	996
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	71	71	71	71
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	10.60+10.60+11.50	10.60+11.50+11.50	10.60+11.50+11.50	10.60+11.50+11.50
Weight	Net Weight	kg	378+378+400	378+400+400	378+400+401	378+401+401
	Gross Weight	kg	402+402+426	402+426+426	402+426+427	402+427+427
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750
	Packing(HxWxD)	mm	1930x (1420+1420+1665) x790	1930x (1420+1665+1665) x790	1930x (1420+1665+1665) x790	1930x (1420+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
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Hi-FLEXi S Heat Recovery

HP			82HP	84HP	86HP	88HP
Model	Model		AVWT-794FKFSA	AVWT-816FKFSA	AVWT-824FKFSA	AVWT-844FKFSA
	Modules		AVWT-250FKFSA AVWT-272FKFSA AVWT-272FKFSA	AVWT-272FKFSA AVWT-272FKFSA AVWT-272FKFSA	AVWT-190FKFSA AVWT-190FKFSA AVWT-212FKFSA AVWT-232FKFSA	AVWT-190FKFSA AVWT-190FKFSA AVWT-232FKFSA AVWT-232FKFSA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	232.5	240.0	241.5	248.0
		kBtu/h	793.3	818.9	824.0	846.2
	Power Input	kW	70.39	72.73	69.76	72.29
	EER	kW/kW	3.30	3.30	3.46	3.43
Heating	Capacity(Max/Nom)	kW	260.0 / 232.5	270.0 / 240.0	270.0 / 241.5	276.0 / 248.0
		kBtu/h	887.1 / 793.3	921.2 / 818.9	921.2 / 824.0	941.7 / 846.2
	Power Input(Max/Nom)	kW	74.33 / 63.05	78.03 / 65.75	73.24 / 61.26	75.83 / 63.69
	COP(Max)	kW/kW	3.50	3.46	3.69	3.64
Ventilation	Air Flow Rate	m^3/min	1050	1050	1126	1126
	Fan Quantity		6	6	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	72
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	8	8
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	11.50+11.50+11.50	11.50+11.50+11.50	9.80+9.80+10.60+10.60	9.80+9.80+10.60+10.60
Weight	Net Weight	kg	400+401+401	401+401+401	369+369+377+378	369+369+378+378
	Gross Weight	kg	426+427+427	427+427+427	393+393+401+402	393+393+402+402
Dimensions	External (HxWxD)	mm	1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
	Packing(HxWxD)	mm	1930x (1665+1665+1665) x790	1930x (1665+1665+1665) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
*1: If you have any questions, please contact with the technical engineer.
*2: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Heat Recovery

HP			90HP	92HP	94HP	96HP
Model	Model		AVWT-866FKFSA	AVWT-886FKFSA	AVWT-908FKFSA	AVWT-928FKFSA
	Modules		AVWT-190FKFSA AVWT-212FKFSA AVWT-232FKFSA AVWT-232FKFSA	AVWT-190FKFSA AVWT-232FKFSA AVWT-232FKFSA AVWT-232FKFSA	AVWT-212FKFSA AVWT-232FKFSA AVWT-232FKFSA AVWT-232FKFSA	AVWT-232FKFSA AVWT-232FKFSA AVWT-232FKFSA AVWT-232FKFSA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	253.5	260.0	265.5	272.0
		kBtu/h	864.9	887.1	905.9	928.1
	Power Input	kW	74.77	77.33	79.83	82.42
	EER	kW/kW	3.39	3.36	3.33	3.30
Heating	Capacity(Max/Nom)	kW	282.0 / 253.5	288.0 / 260.0	294.0 / 265.5	300.0 / 272.0
		kBtu/h	962.2 / 864.9	982.7 / 887.1	1003.1 / 905.9	1023.6 / 928.1
	Power Input(Max/Nom)	kW	78.12 / 66.09	80.75 / 68.56	83.06 / 71.00	85.71 / 73.51
	COP(Max)	kW/kW	3.61	3.57	3.54	3.50
Ventilation	Air Flow Rate	m³/min	1155	1155	1184	1184
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	72
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	9.80+10.60+10.60+10.60	9.80+10.60+10.60+10.60	10.60+10.60+10.60+10.60	10.60+10.60+10.60+10.60
Weight	Net Weight	kg	369+377+378+378	369+378+378+378	377+378+378+378	378+378+378+378
	Gross Weight	kg	393+401+402+402	393+402+402+402	401+402+402+402	402+402+402+402
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
	Packing(HxWxD)	mm	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
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*2: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Heat Recovery

HP			98HP	100HP	102HP	104HP
Model	Model		AVWT-946FKFSA	AVWT-968FKFSA	AVWT-988FKFSA	AVWT-1008FKFSA
	Modules		AVWT-232FKFSA AVWT-232FKFSA AVWT-232FKFSA AVWT-250FKFSA	AVWT-232FKFSA AVWT-232FKFSA AVWT-232FKFSA AVWT-272FKFSA	AVWT-212FKFSA AVWT-232FKFSA AVWT-272FKFSA AVWT-272FKFSA	AVWT-232FKFSA AVWT-232FKFSA AVWT-272FKFSA AVWT-272FKFSA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	276.5	284.0	289.5	296.0
		kBtu/h	943.4	969.0	987.8	1010.0
	Power Input	kW	83.72	86.06	87.10	89.70
	EER	kW/kW	3.30	3.30	3.32	3.30
Heating	Capacity(Max/Nom)	kW	305.0 / 276.5	315.0 / 284.0	324.0 / 289.5	330.0 / 296.0
		kBtu/h	1040.7 / 943.4	1074.8 / 969.0	1105.5 / 987.8	1126.0 / 1010.0
	Power Input(Max/Nom)	kW	86.62 / 74.36	90.29 / 77.05	92.19 / 78.05	94.87 / 80.59
	COP(Max)	kW/kW	3.52	3.49	3.51	3.48
Ventilation	Air Flow Rate	m³/min	1238	1238	1292	1292
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	73
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	10.60+10.60+10.60+11.50	10.60+10.60+10.60+11.50	10.60+10.60+11.50+11.50	10.60+10.60+11.50+11.50
Weight	Net Weight	kg	378+378+378+400	378+378+378+401	377+378+401+401	378+378+401+401
	Gross Weight	kg	402+402+402+426	402+402+402+427	401+402+427+427	402+402+427+427
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1600+1600) x750	1730x (1350+1350+1600+1600) x750
	Packing(HxWxD)	mm	1930x (1420+1420+1420+1665) x790	1930x (1420+1420+1420+1665) x790	1930x (1420+1420+1665+1665) x790	1930x (1420+1420+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
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Hi-FLEXi S Heat Recovery

HP			106HP	108HP	110HP	112HP
Model	Model		AVWT-1026FKFSA	AVWT-1048FKFSA	AVWT-1066FKFSA	AVWT-1088FKFSA
	Modules		AVWT-232FKFSA AVWT-250FKFSA AVWT-272FKFSA AVWT-272FKFSA	AVWT-232FKFSA AVWT-272FKFSA AVWT-272FKFSA AVWT-272FKFSA	AVWT-250FKFSA AVWT-272FKFSA AVWT-272FKFSA AVWT-272FKFSA	AVWT-272FKFSA AVWT-272FKFSA AVWT-272FKFSA AVWT-272FKFSA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	300.5	308.0	312.5	320.0
		kBtu/h	1025.3	1050.9	1066.3	1091.8
	Power Input	kW	90.99	93.33	94.63	96.97
	EER	kW/kW	3.30	3.30	3.30	3.30
Heating	Capacity(Max/Nom)	kW	335.0 / 300.5	345.0 / 308.0	350.0 / 312.5	360.0 / 320.0
		kBtu/h	1143.0 / 1025.3	1177.1 / 1050.9	1194.2 / 1066.3	1228.3 / 1091.8
	Power Input(Max/Nom)	kW	95.76 / 81.42	99.46 / 84.13	100.34 / 84.96	104.05 / 87.67
	COP(Max)	kW/kW	3.50	3.47	3.49	3.46
Ventilation	Air Flow Rate	m³/min	1346	1346	1400	1400
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	73	73	73	73
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	10.60+11.50+11.50+11.50	10.60+11.50+11.50+11.50	11.50+11.50+11.50+11.50	11.50+11.50+11.50+11.50
Weight	Net Weight	kg	378+400+401+401	378+401+401+401	400+401+401+401	401+401+401+401
	Gross Weight	kg	402+426+427+427	402+427+427+427	426+427+427+427	427+427+427+427
Dimensions	External(HxWxD)	mm	1730x (1350+1600+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750
	Packing(HxWxD)	mm	1930x (1420+1665+1665+1665) x790	1930x (1420+1665+1665+1665) x790	1930x (1665+1665+1665+1665) x790	1930x (1665+1665+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	–	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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.
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Switch Box

Introduction

Used for heat recovery systems to achieve simultaneous cooling and heating in a system, it is very important to realize installation flexibility and reduce costs.

Advantage

- Enrich the products (1,4,8,12,16).
- Maximize capacity to 16kW or more.
- Require no drain pipes or drainage connections.
- Combine between single branch and multi-branch flexibility.
- Enable fewer connections, hooks and service parts for easy installation.

Original Products

New Switch Box

Model			Single Branch		Multi Branch			
			HCHS-N06XA	HCHS-N10XA	HCHM-N04XA	HCHM-N08XA	HCHM-N12XA	HCHM-N16XA
Appearance								
Electrical	Power Supply	–	AC 1Φ, 220-240V/50/60Hz					
	Power Input	W	5	5	11.2	22.4	33.6	44.8
Maximum Total Capacity Index		kW	16	28	44.8	85	85	85
Number of Branches		–	1	1	4	8	12	16
Maximum Capacity Index per Branch		kW	–	–	16	16	16	16
Maximum Connectable Indoor Units per Branch		pics	8	8	8	8	6	6
Dimmensions (H x W x D)		mm	191×301×214	191×301×214	260×303×352	260×543×352	260×783×352	260×1023×352
Refrigerant		–	R410A					
Refrigerant Piping	Outdoor Unit Side	Gas Line (High and Low Pressure Side)	mm (in.)	Φ15.88(5/8)	Φ15.88(5/8)	Φ22.20(7/8)	Φ22.20(7/8)	Φ25.40(1)	Φ28.58(1-1/8)
		Gas Line (Suction Gas)	mm (in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ25.40(1)	Φ28.58(1-1/8)	Φ28.58(1-1/8)	Φ31.75(1-1/4)
		Liquid Line	mm (in.)	Not Included	Not Included	Φ12.70(1/2)	Φ12.70(1/2)	Φ15.88(5/8)	Φ19.05(3/4)
	Indoor Unit Side	Gas Line	mm (in.)	Φ15.88(5/8)	Φ19.05(3/4)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)
		Liquid Line	mm (in.)	Not Included	Not Included	Φ9.52(3/8)	Φ9.52(3/8)	Φ9.52(3/8)	Φ9.52(3/8)
Net Weight		kg	6.3	6.4	14.1	25.2	35.5	46.7
Noise Level	Sound Pressure Level	dB (A)	33	33	31	31	34	34
	Max Sound	dB (A)	46	46	43	46	48	49

Hydro Box

Specification for Hydro Box

Model			AHM-080FJFAA	AHM-160FJFAA
Power Supply			AC 1Φ, 220~ 240V/50Hz AC 1Φ, 220V/60Hz	
Cooling Capacity (A 35/24℃/W 12~7℃)			7.5	12.5
Heating Capacity (A 7/6℃/W 30~35℃)		kW	8	16
Power Input		kW	0.08(3.08)	0.14(3.14)
Dimensions	H×W×D	mm	890×520×320	890×520×320
Packing Dimensions	H×W×D	mm	1120×595×462	1120×595×462
Weight	Net	kg	55	58
	Gross	kg	72	75
Heat Exchanger			Plate Heat Exchanger	
Heat Exchanger Insulation Material			Elastomeric Foam	
Water Production	Heating	℃	20 to 55	20 to 55
	DHW(with electric heater)	℃	35 to 75	35 to 75
	Cooling	℃	5 to 20	5 to 20
Sound Pressure		dB(A)	33	33
Sound Power		dB(A)	46	46
Piping Connections	Gas	mm	Φ15.88	Φ15.88
	Liquid	mm	Φ9.53	Φ9.53
Water Pump	Type		DC Motor	
	Speed		Inverter Control	
	Pumping Head	m	12.5	12.5
	Pumping Head for Water Circuit		5	5
	Power Input	w	100	160
Booster Heating		kW	3	3
Water Filter	Diameter Perforations	mm	0.85	0.85
	Meterial		Hpb59-1	Hpb59-1
Water Circuit	Piping Connections Diameter	mm	G1-1/4"	G1-1/4"
	Shut off Valve		Yes	Yes
	Drain Valve		Yes	Yes
	Safety Valve	Bar	3	3
	Air Purge Valve		Yes	Yes
Nominal Water		m^3/h	1.38	2.75
Expansion Vessel	Volume	L	8	8
	Max. Water Pressure	Bar	3	3

Operation Range

Indoor Unit Cooling

	Maximum	Minimum
Indoor	32℃ DB / 23℃ WB	21℃ DB / 15℃ WB
Outdoor	52℃ DB*	-10℃ DB

Indoor Unit Heating

	Maximum	Minimum
Indoor	27℃ DB	15℃ DB
Outdoor	16.5℃ WB	-25℃ WB**

Hydro Box Cooling

	Maximum	Minimum
Inlet Water	25℃	10℃
Outdoor	48℃ DB	10℃ DB

Hydro Box Heating (Floor Heating)

	Maximum	Minimum
Inlet Water	54℃	10℃
Outdoor	16.5℃ WB	-25℃ WB**

Hydro Box Heating (DHW)

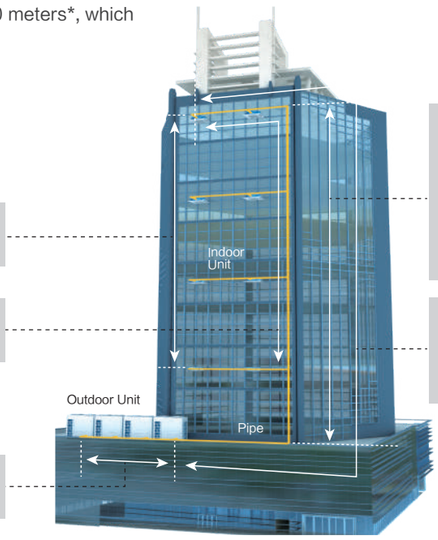
	Maximum	Minimum
Inlet Water	54℃	10℃
Outdoor	43℃ WB	-25℃ WB**

DB: Dry Bulb
WB: Wet Bulb

(*) 48℃ DB ~ 52℃ DB, Operation Control Range
(**) -20℃ WB ~ -25℃ WB, Operation Control Range

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.



Maximum height difference of indoor units: 15m(30m*)

Maximum length from the first branch pipe to the farthest indoor unit: 90m

Largest pipe length between outdoor units: 10 meters

Maximum height difference between indoor and outdoor units:
when the outdoor unit is above: 50m(90m*)
when the outdoor unit is below: 40m(90m*)

Maximun actural length of a single pipe: 165 meters
Total length of pipes: 1000 meters

*Note: For detailed information, please contact Hisense's technical staff.

Hi-FLEXi S Series

HP			8HP	10HP	12HP	14HP	16HP	18HP
Model	Model		AVWT-76HKSS	AVWT-96HKSS	AVWT-114HKSS	AVWT-136HKSS	AVWT-154HKSS	AVWT-170HKSS
	Modules		——	——	——	——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	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	5.21	7.00	8.65	10.53	12.50	15.63
	EER	kW/kW	4.30	4.00	3.87	3.80	3.60	3.20
Heating	Capacity	kW	25.0	31.5	37.5	45.0	50.0	56.0
		kBtu/h	85.3	107.5	128.0	153.5	170.6	191.1
	Power Input	kW	5.77	7.59	9.21	11.72	13.70	16.97
	COP	kW/kW	4.33	4.15	4.07	3.84	3.65	3.30
Ventilation	Air Flow Rate	m^3/min	183	183	183	200	200	200
	Fan Quantity		1	1	1	2	2	2
	Static Pressure	Pa	110	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	59	60	62	62	62	62
Compressor	Type	–	Enhanced Vapor Injection Compressor					
	Compressor Quantity	pcs	1	1	1	1	1	2
Refrigerant	Type	–	R410A					
	Pre-charged Quantity	kg	7.4	8.6	9.5	12.0	12.0	13.2
Weight	Net Weight	kg	224	244	245	297	298	347
	Gross Weight	kg	243	263	265	321	322	371
Dimensions	External(HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
	Packing(HxWxD)	mm	1930x1015x790	1930x1015x790	1930x1015x790	1930x1275x790	1930x1275x790	1930x1275x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.

*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Series

HP			20HP	22HP	24HP	26HP	28HP
Model	Model		AVWT-190HKSS	AVWT-212HKSS	AVWT-232HKSS	AVWT-250HKSS	AVWT-272HKSS
	Modules		——	——	——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	56.0	61.5	68.0	72.5	80.0
		kBtu/h	191.1	209.8	232.1	246.5	272.0
	Power Input	kW	17.90	20.50	22.82	24.58	27.59
	EER	kW/kW	3.13	3.00	2.98	2.95	2.90
Heating	Capacity	kW	63.0	69.0	75.0	80.0	90.0
		kBtu/h	215.0	235.4	255.0	272.0	306.0
	Power Input	kW	19.87	22.48	24.59	26.67	30.41
	COP	kW/kW	3.17	3.07	3.05	3.00	2.96
Ventilation	Air Flow Rate	m^3/min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	63	64	66	67	67
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	2	2	2	2	2
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	14.3	15.5	15.5	17.3	17.3
Weight	Net Weight	kg	361	369	370	414	415
	Gross Weight	kg	395	396	397	446	447
Dimensions	External(HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing(HxWxD)	mm	1930x1420x790	1930x1420x790	1930x1420x790	1930x1665x790	1930x1665x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.

*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Series

HP			30HP	32HP	34HP	36HP	38HP
Model	Model		AVWT-290HKSS	AVWT-308HKSS	AVWT-324HKSS	AVWT-344HKSS	AVWT-360HKSS
	Modules		AVWT-154HKSS AVWT-136HKSS	AVWT-154HKSS AVWT-154HKSS	AVWT-170HKSS AVWT-154HKSS	AVWT-190HKSS AVWT-154HKSS	AVWT-190HKSS AVWT-170HKSS
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	85.0	90.0	95.0	101.0	106.0
		kBtu/h	290.0	307.0	324.1	344.6	361.7
	Power Input	kW	23.03	25.00	28.13	30.40	33.53
	EER	kW/kW	3.69	3.60	3.38	3.32	3.16
Heating	Capacity	kW	95.0	100.0	106.0	113.0	119.0
		kBtu/h	324.1	341.2	361.7	385.6	406.1
	Power Input	kW	25.42	27.40	30.67	33.57	36.84
	COP	kW/kW	3.74	3.65	3.46	3.37	3.23
Ventilation	Air Flow Rate	m^3/min	400	400	400	467	467
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	67	67	67	67	67
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	2	2	3	3	4
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	24.0	24.0	25.20	26.30	27.5
Weight	Net Weight	kg	595	596	645	659	708
	Gross Weight	kg	643	644	693	717	766
Dimensions	External(HxWxD)	mm	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1350) x750	1730x (1210+1350) x750
	Packing(HxWxD)	mm	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1420) x790	1930x (1275+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.
*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Series

HP			40HP	42HP	44HP	46HP	48HP
Model	Model		AVWT-380HKSS	AVWT-402HKSS	AVWT-422HKSS	AVWT-444HKSS	AVWT-464HKSS
	Modules		AVWT-190HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-170HKSS	AVWT-232HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-212HKSS	AVWT-232HKSS AVWT-232HKSS
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	112.0	118.0	124.0	129.5	136.0
		kBtu/h	382.1	402.7	432.2	441.9	464.2
	Power Input	kW	35.80	38.45	40.72	43.32	45.64
	EER	kW/kW	3.13	3.07	3.05	2.99	2.98
Heating	Capacity	kW	126.0	131.0	138.0	144.0	150.0
		kBtu/h	430.0	446.1	470.0	490.4	510.0
	Power Input	kW	39.74	41.56	44.46	47.07	49.18
	COP	kW/kW	3.17	3.15	3.10	3.06	3.05
Ventilation	Air Flow Rate	m^3/min	534	496	563	592	592
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	67	67	68	68	69
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	4	4	4	4	4
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	28.6	28.7	29.8	31.0	31.0
Weight	Net Weight	kg	722	717	731	739	740
	Gross Weight	kg	790	768	792	793	794
Dimensions	External(HxWxD)	mm	1730x (1350+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
	Packing(HxWxD)	mm	1930x (1420+1420) x790	1930x (1275+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.
*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Series

HP			50HP	52HP	54HP	56HP
Model	Model		AVWT-482HKSS	AVWT-504HKSS	AVWT-522HKSS	AVWT-544HKSS
	Modules		AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-250HKSS	AVWT-272HKSS AVWT-272HKSS
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	140.5	148.0	152.5	160.0
		kBtu/h	478.6	504.1	518.5	544.0
	Power Input	kW	47.40	50.41	52.17	55.18
	EER	kW/kW	2.96	2.94	2.92	2.90
Heating	Capacity	kW	155.0	165.0	170.0	180.0
		kBtu/h	527.0	561.0	578.0	612.0
	Power Input	kW	51.26	55.00	57.08	60.82
	COP	kW/kW	3.02	3.00	2.98	2.96
Ventilation	Air Flow Rate	m^3/min	646	646	700	700
	Fan Quantity		4	4	4	4
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	70	70	70	70
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	4	4	4	4
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	32.8	32.8	34.6	34.6
Weight	Net Weight	kg	784	785	829	830
	Gross Weight	kg	843	844	893	894
Dimensions	External(HxWxD)	mm	1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
	Packing(HxWxD)	mm	1930x (1420+1665) x790	1930x (1420+1665) x790	1930x (1665+1665) x790	1930x (1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.
*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Series

HP			58HP	60HP	62HP	64HP
Model	Model		AVWT-552HKSS	AVWT-570HKSS	AVWT-592HKSS	AVWT-612HKSS
	Modules		AVWT-212HKSS AVWT-170HKSS AVWT-170HKSS	AVWT-190HKSS AVWT-190HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-190HKSS AVWT-170HKSS	AVWT-232HKSS AVWT-190HKSS AVWT-190HKSS
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	161.5	168.0	174.0	180.0
		kBtu/h	551.0	573.3	593.7	614.3
	Power Input	kW	51.76	53.70	56.35	58.62
	EER	kW/kW	3.12	3.13	3.09	3.07
Heating	Capacity	kW	181.0	189.0	194.0	201.0
		kBtu/h	617.6	645.0	661.1	685.0
	Power Input	kW	56.42	59.61	61.43	64.33
	COP	kW/kW	3.21	3.17	3.16	3.12
Ventilation	Air Flow Rate	m^3/min	696	801	763	830
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	70	70	70	70
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	41.9	42.9	43.0	44.1
Weight	Net Weight	kg	1063	1083	1078	1092
	Gross Weight	kg	1138	1185	1163	1187
Dimensions	External(HxWxD)	mm	1730x (1210+1210+1350) x750	1730x (1350+1350+1350) x750	1730x (1210+1350+1350) x750	1730x (1350+1350+1350) x750
	Packing(HxWxD)	mm	1930x (1275+1275+1420) x790	1930x (1420+1420+1420) x790	1930x (1275+1420+1420) x790	1930x (1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.
*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Series

HP			66HP	68HP	70HP	72HP
Model	Model		AVWT-634HKSS	AVWT-654HKSS	AVWT-676HKSS	AVWT-696HKSS
	Modules		AVWT-232HKSS AVWT-212HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-212HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	185.5	192.0	197.5	204.0
		kBtu/h	633.0	655.3	674.0	696.3
	Power Input	kW	61.22	63.54	66.14	68.46
	EER	kW/kW	3.03	3.02	2.99	2.98
Heating	Capacity	kW	207.0	213.0	219.0	225.0
		kBtu/h	705.4	725.0	745.4	765.0
	Power Input	kW	66.94	69.05	71.66	73.77
	COP	kW/kW	3.09	3.08	3.06	3.05
	Air Flow Rate	m³/min	859	859	888	888
Ventilation	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	70	70	70	71
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	45.3	45.3	46.5	46.5
Weight	Net Weight	kg	1100	1101	1109	1110
	Gross Weight	kg	1188	1189	1190	1191
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750
	Packing(HxWxD)	mm	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790	1930x (1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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	64
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.
*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Series

HP			74HP	76HP	78HP	80HP
Model	Model		AVWT-714HKSS	AVWT-732HKSS	AVWT-754HKSS	AVWT-776HKSS
	Modules		AVWT-250HKSS AVWT-232HKSS AVWT-232HKSS	AVWT-250HKSS AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-232HKSS
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	208.5	213.0	220.5	228.0
		kBtu/h	710.7	725.1	750.6	776.1
	Power Input	kW	70.22	71.98	74.99	78.00
	EER	kW/kW	2.97	2.96	2.95	2.92
Heating	Capacity	kW	230.0	235.0	245.0	255.0
		kBtu/h	782.0	799.0	833.0	867.0
	Power Input	kW	75.85	77.93	81.67	85.41
	COP	kW/kW	3.03	3.02	3.00	2.98
	Air Flow Rate	m³/min	942	996	996	996
Ventilation	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	71	71	71	71
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	48.3	50.1	50.1	50.1
Weight	Net Weight	kg	1154	1198	1199	1200
	Gross Weight	kg	1240	1289	1290	1291
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750
	Packing(HxWxD)	mm	1930x (1420+1420+1665) x790	1930x (1420+1665+1665) x790	1930x (1420+1665+1665) x790	1930x (1420+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.
*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Series

HP			82HP	84HP	86HP	88HP
Model	Model		AVWT-794HKSS	AVWT-816HKSS	AVWT-824HKSS	AVWT-844HKSS
	Modules		AVWT-272HKSS AVWT-272HKSS AVWT-250HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS	AVWT-232HKSS AVWT-212HKSS AVWT-190HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-190HKSS AVWT-190HKSS
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	232.5	240.0	241.5	248.0
		kBtu/h	790.5	816.0	824.1	846.4
	Power Input	kW	79.76	82.77	79.12	81.44
	EER	kW/kW	2.91	2.90	3.05	3.05
Heating	Capacity	kW	260.0	270.0	270.0	276.0
		kBtu/h	884.0	918.0	920.4	940.0
	Power Input	kW	87.49	91.23	86.81	88.92
	COP	kW/kW	2.97	2.96	3.11	3.10
	Air Flow Rate	m³/min	1050	1050	1126	1126
Ventilation	Fan Quantity		6	6	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	72
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	8	8
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	51.9	51.9	59.6	59.6
Weight	Net Weight	kg	1244	1245	1461	1462
	Gross Weight	kg	1340	1341	1583	1584
Dimensions	External(HxWxD)	mm	1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
	Packing(HxWxD)	mm	1930x (1665+1665+1665) x790	1930x (1665+1665+1665) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.
*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Series

HP			90HP	92HP	94HP	96HP
Model	Model		AVWT-866HKSS	AVWT-886HKSS	AVWT-908HKSS	AVWT-928HKSS
	Modules		AVWT-232HKSS AVWT-232HKSS AVWT-212HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS AVWT-212HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	253.5	260.0	265.5	272.0
		kBtu/h	865.1	887.4	906.1	928.4
	Power Input	kW	84.04	86.36	88.96	91.28
	EER	kW/kW	3.02	3.01	2.98	2.98
Heating	Capacity	kW	282.0	288.0	294.0	300.0
		kBtu/h	960.4	980.0	1000.4	1020.0
	Power Input	kW	91.53	93.64	96.25	98.36
	COP	kW/kW	3.08	3.08	3.05	3.05
	Air Flow Rate	m³/min	1155	1155	1184	1184
Ventilation	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	72
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	60.8	60.8	62.0	62.0
Weight	Net Weight	kg	1470	1471	1479	1480
	Gross Weight	kg	1585	1586	1587	1588
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
	Packing(HxWxD)	mm	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.
*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Series

HP			98HP	100HP	102HP	104HP
Model	Model		AVWT-946HKSS	AVWT-968HKSS	AVWT-988HKSS	AVWT-1008HKSS
	Modules		AVWT-250HKSS AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-232HKSS AVWT-212HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-232HKSS AVWT-232HKSS
	Power Supply		AC 3Φ, 380~415V/50/60Hz			
Cooling	Capacity	kW	276.5	284.0	289.5	296.0
		kBtu/h	942.8	968.3	985.9	1008.0
	Power Input	kW	93.04	96.05	98.50	100.82
	EER	kW/kW	2.97	2.96	2.94	2.94
Heating	Capacity	kW	305.0	315.0	324.0	330.0
		kBtu/h	1037.0	1071.0	1102.4	1122.0
	Power Input	kW	100.44	104.18	107.89	110.00
	COP	kW/kW	3.04	3.02	3.00	3.00
	Air Flow Rate	m^3/min	1238	1238	1292	1292
Ventilation	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	73
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	63.8	63.8	65.6	65.6
Weight	Net Weight	kg	1524	1525	1569	1570
	Gross Weight	kg	1637	1638	1687	1688
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1600+1600) x750	1730x (1350+1350+1600+1600) x750
	Packing(HxWxD)	mm	1930x (1420+1420+1420+1665) x790	1930x (1420+1420+1420+1665) x790	1930x (1420+1420+1665+1665) x790	1930x (1420+1420+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.
*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S Series

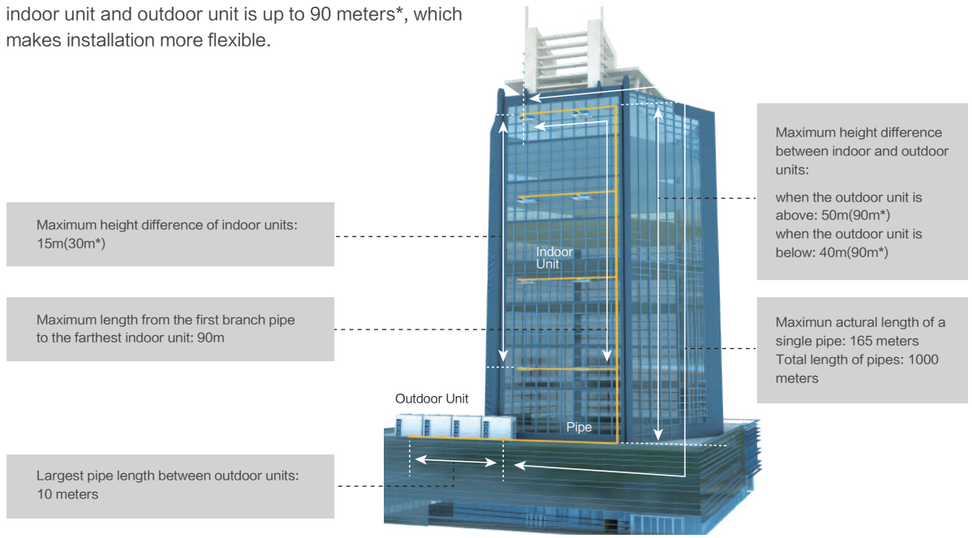
HP			106HP	108HP	110HP	112HP
Model	Model		AVWT-1026HKSS	AVWT-1048HKSS	AVWT-1066HKSS	AVWT-1088HKSS
	Modules		AVWT-272HKSS AVWT-272HKSS AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS AVWT-250HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS
	Power Supply		AC 3Φ, 380~415V/50/60Hz			
Cooling	Capacity	kW	300.5	308.0	312.5	320.0
		kBtu/h	1022.6	1048.1	1062.5	1088.0
	Power Input	kW	102.58	105.59	107.35	110.36
	EER	kW/kW	2.93	2.92	2.91	2.90
Heating	Capacity	kW	335.0	345.0	350.0	360.0
		kBtu/h	1139.0	1173.0	1190.0	1224.0
	Power Input	kW	112.08	115.82	117.9	121.64
	COP	kW/kW	2.99	2.98	2.97	2.96
	Air Flow Rate	m^3/min	1346	1346	1400	1400
Ventilation	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	73	73	73	73
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	67.4	67.4	69.2	69.2
Weight	Net Weight	kg	1614	1615	1659	1660
	Gross Weight	kg	1737	1738	1787	1788
Dimensions	External(HxWxD)	mm	1730x (1350+1600+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750
	Packing(HxWxD)	mm	1930x (1420+1665+1665+1665) x790	1930x (1420+1665+1665+1665) x790	1930x (1665+1665+1665+1665) x790	1930x (1665+1665+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90*1)	50 (90*1)	50 (90*1)	50 (90*1)
		m(below)	40 (90*1)	40 (90*1)	40 (90*1)	40 (90*1)
	Height Difference Between IDUs	m	15 (30*1)	15 (30*1)	15 (30*1)	15 (30*1)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ 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℃ ~ 52℃ or -25℃ ~ -20℃, please contact our professional engineer.
*1: For detailed information, please contact with Hisense's technical staff.

Hi-FLEXi S mavo+ Series

Extra Long Pipe Design

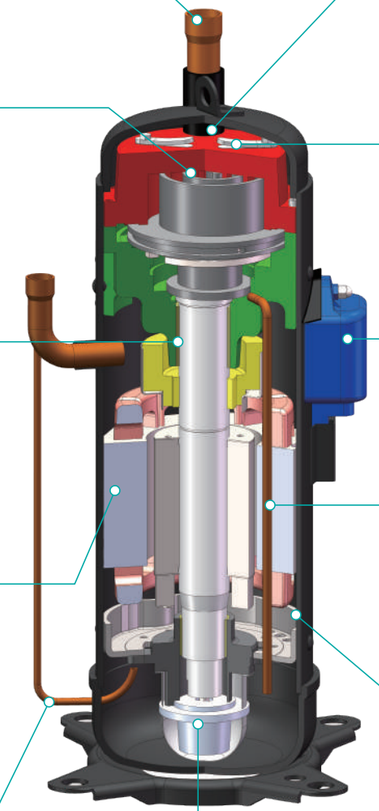
With extra long pipe, the height difference between the indoor unit and outdoor unit is up to 90 meters*, which makes installation more flexible.



*Note: For detailed information, please contact Hisense's technical staff.

High-efficiency Compressor

Hi-FLEXi S mavo+ series 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.



1 Direct suction
Higher volumetric efficiency.

2 Asymmetric Scroll
Reduce the leakage loss of the compressor, and enhance the efficiency and reliability.

3 Reliable bearing
Adopt high-reliability slide bearing, better bearing capacity, lower noise and higher reliability.

4 High-efficiency Motor
Rare-earth permanent magnet motor with specially designed structure.

5 Oil Balance Tube
High reliability by oil balance between multiple compressors.

6 No-return valve design
Increase the efficiency and enhance the reliability under large-load operation.

7 Pressure relief valve design
Increase the efficiency and enhance the reliability under large-load operation.

8 Terminal cover of power supply
Ensure stable and firm wire connection with higher protection level.

9 Internal oil separator tube
Achieve internal circulation of lubricating oil, reducing overheat loss and the oil discharge rate.

10 High-pressure chamber structure
Large exhaust buffer chamber to reduce airflow noise and vibration during operation.

11 High Reliable Oil Supply System
Sufficient oil supply is ensured according to the oil pressure difference even at low speed and partial load conditions.

Hi-FLEXi S mavo+ Series

HP			8HP	10HP	12HP	14HP	16HP	18HP
Model	Model		AVWT-76HKFSEA	AVWT-96HKFSEA	AVWT-114HKFSEA	AVWT-136HKFSEA	AVWT-154HKFSEA	AVWT-170HKFSEA
	Modules		——	——	——	——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	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	4.79	6.60	7.96	10.34	12.26	14.04
	EER	kW/kW	4.68	4.24	4.21	3.87	3.67	3.56
Heating	Capacity	kW	25.0	31.5	37.5	45.0	50.0	56.0
		kBtu/h	85.3	107.5	128.0	153.5	170.6	191.1
	Power Input	kW	5.13	6.79	8.50	10.84	12.20	14.81
	COP	kW/kW	4.87	4.64	4.41	4.15	4.10	3.78
Ventilation	Air Flow Rate	m^3/min	183	183	183	200	200	200
	Fan Quantity		1	1	1	2	2	2
	Static Pressure	Pa	110	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	56	57	59	59	60	61
	Night Shift Mode	dB(A)	41	42	44	44	45	46
Compressor	Type	–	Scroll Compressor					
	Compressor Quantity	pcs	1	1	1	1	1	1
Refrigerant	Type	–	R410A					
	Pre-charged Quantity	kg	5.3	5.3	6.2	8.0	8.0	9.6
Weight	Net Weight	kg	217	219	223	272	273	296
	Gross Weight	kg	246	248	252	306	307	330
Dimensions	External(HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
	Packing(HxWxD)	mm	1950x1015x790	1950x1015x790	1950x1015x790	1950x1275x790	1950x1275x790	1950x1275x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃
	Heating	WB	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃DB 19℃WB, outdoor ambient temperature 35℃DB;
   Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃DB 6℃WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 52℃ DB or -25℃ WB ~ -20℃ WB, the system may be in intermittent operation. Please contact with ur professional engineer.

Hi-FLEXi S mavo+ Series

HP			20HP	22HP	24HP	26HP	28HP
Model	Model		AVWT-190HKFSEA	AVWT-212HKFSEA	AVWT-232HKFSEA	AVWT-250HKFSEA	AVWT-272HKFSEA
	Modules		——	——	——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	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	15.38	17.83	19.88	20.83	24.10
	EER	kW/kW	3.64	3.45	3.42	3.48	3.32
Heating	Capacity	kW	63.0	69.0	75.0	80.0	90.0
		kBtu/h	215.0	235.4	255.9	273.0	307.1
	Power Input	kW	16.36	18.70	20.72	21.98	25.57
	COP	kW/kW	3.85	3.69	3.62	3.64	3.52
Ventilation	Air Flow Rate	m^3/min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	62	63	63	64	64
	Night Shift Mode	dB(A)	47	48	48	49	49
Compressor	Type	–	Scroll Compressor				
	Compressor Quantity	pcs	1	2	2	2	2
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	10.3	12.2	12.2	12.0	12.0
Weight	Net Weight	kg	316	363	365	391	392
	Gross Weight	kg	347	400	402	433	434
Dimensions	External(HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing(HxWxD)	mm	1950x1420x790	1950x1420x790	1950x1420x790	1950x1665x790	1950x1665x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃
	Heating	WB	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃DB 19℃WB, outdoor ambient temperature 35℃DB;
   Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃DB 6℃WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 52℃ DB or -25℃ WB ~ -20℃ WB, the system may be in intermittent operation. Please contact with ur professional engineer.

Hi-FLEXi S mavo+ Series

HP			30HP	32HP	34HP	36HP
Model	Model		AVWT-290HKFSEA	AVWT-308HKFSEA	AVWT-324HKFSEA	AVWT-340HKFSEA
	Modules		AVWT-136HKFSEA AVWT-154HKFSEA	AVWT-154HKFSEA AVWT-154HKFSEA	AVWT-154HKFSEA AVWT-170HKFSEA	AVWT-170HKFSEA AVWT-170HKFSEA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	85.0	90.0	95.0	100.0
		kBtu/h	290.0	308.0	324.0	342.0
	Power Input	kW	22.60	24.52	26.31	28.09
	EER	kW/kW	3.76	3.67	3.61	3.56
Heating	Capacity	kW	95.0	100.0	106.0	112.0
		kBtu/h	324.0	342.0	362.0	382.0
	Power Input	kW	23.04	24.39	27.01	29.63
	COP	kW/kW	4.12	4.10	3.92	3.78
Ventilation	Air Flow Rate	m^3/min	400	400	400	400
	Fan Quantity		4	4	4	4
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	64	64	64	64
	Night Shift Mode	dB(A)	49	49	49	49
Compressor	Type	–	Scroll Compressor			
	Compressor Quantity	pcs	2	2	2	2
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	8.0+8.0	8.0+8.0	8.0+9.6	9.6+9.6
Weight	Net Weight	kg	272+273	273+273	273+296	296+296
	Gross Weight	kg	306+307	307+307	307+330	330+330
Dimensions	External(HxWxD)	mm	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750
	Packing(HxWxD)	mm	1950x (1275+1275) x790	1950x (1275+1275) x790	1950x (1275+1275) x790	1950x (1275+1275) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ31.75	Φ31.75	Φ38.10	Φ38.10
		inch	1-1/4	1-1/4	1-1/2	1-1/2
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
		inch	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	pcs	49	52	55	59
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃
	Heating	WB	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃DB 19℃WB, outdoor ambient temperature 35℃DB;
   Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃DB 6℃WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 52℃ DB or -25℃ WB ~ -20℃ WB, the system may be in intermittent operation. Please contact with ur professional engineer.

Hi-FLEXi S mavo+ Series

HP			38HP	40HP	42HP	44HP	46HP
Model	Model		AVWT-360HKFSEA	AVWT-380HKFSEA	AVWT-402HKFSEA	AVWT-422HKFSEA	AVWT-444HKFSEA
	Modules		AVWT-170HKFSEA AVWT-190HKFSEA	AVWT-190HKFSEA AVWT-190HKFSEA	AVWT-170HKFSEA AVWT-232HKFSEA	AVWT-190HKFSEA AVWT-232HKFSEA	AVWT-212HKFSEA AVWT-232HKFSEA
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	106.0	112.0	118.0	124.0	129.5
		kBtu/h	362.0	382.0	405.0	425.0	440.0
	Power Input	kW	29.43	30.77	33.93	35.27	37.71
	EER	kW/kW	3.60	3.64	3.48	3.52	3.43
Heating	Capacity	kW	119.0	126.0	131.0	138.0	144.0
		kBtu/h	405.0	430.0	445.0	470.0	490.0
	Power Input	kW	31.18	32.73	35.53	37.08	39.42
	COP	kW/kW	3.82	3.85	3.69	3.72	3.65
Ventilation	Air Flow Rate	m^3/min	467	496	496	563	592
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	65	65	65	66	66
	Night Shift Mode	dB(A)	50	50	50	51	51
Compressor	Type	–	Scroll Compressor				
	Compressor Quantity	pcs	2	2	3	3	4
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	9.6+10.3	10.3+10.3	9.6+12.2	10.3+12.2	12.2+12.2
Weight	Net Weight	kg	296+316	316+316	296+365	316+365	363+365
	Gross Weight	kg	330+347	347+347	330+402	347+402	400+402
Dimensions	External(HxWxD)	mm	1730x (1210+1350) x750	1730x (1210+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
	Packing(HxWxD)	mm	1950x (1275+1420) x790	1950x (1275+1420) x790	1950x (1275+1420) x790	1950x (1420+1420) x790	1950x (1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ38.10	Φ38.10	Φ38.10	Φ38.10	Φ41.30
		inch	1-1/2	1-1/2	1-1/2	1-1/2	1-5/8
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.20
		inch	3/4	3/4	3/4	3/4	7/8
Connectable Indoor Units	Quantity	pcs	62	64	64	64	64
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃
	Heating	WB	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃DB 19℃WB, outdoor ambient temperature 35℃DB;
   Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃DB 6℃WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 52℃ DB or -25℃ WB ~ -20℃ WB, the system may be in intermittent operation. Please contact with ur professional engineer.

Hi-FLEXi S mavo+ Series

HP			48HP	50HP	52HP	54HP	56HP
Model	Model		AVWT-464HKFSEA	AVWT-482HKFSEA	AVWT-504HKFSEA	AVWT-522HKFSEA	AVWT-544HKFSEA
	Modules		AVWT-232HKFSEA AVWT-232HKFSEA	AVWT-232HKFSEA AVWT-250HKFSEA	AVWT-232HKFSEA AVWT-272HKFSEA	AVWT-250HKFSEA AVWT-272HKFSEA	AVWT-272HKFSEA AVWT-272HKFSEA
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	136.0	140.5	148.0	152.5	160.0
		kBtu/h	465.0	480.0	505.0	520.0	545.0
	Power Input	kW	39.77	40.72	43.98	44.93	48.19
	EER	kW/kW	3.42	3.45	3.37	3.39	3.32
Heating	Capacity	kW	150.0	155.0	165.0	170.0	180.0
		kBtu/h	510.0	530.0	565.0	580.0	615.0
	Power Input	kW	41.44	42.70	46.29	47.55	51.14
	COP	kW/kW	3.62	3.63	3.56	3.58	3.52
Ventilation	Air Flow Rate	m^3/min	592	646	646	700	700
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	66	67	67	67	67
	Night Shift Mode	dB(A)	51	52	52	52	52
Compressor	Type	–	Scroll Compressor				
	Compressor Quantity	pcs	4	4	4	4	4
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	12.2+12.2	12.2+12.0	12.2+12.0	12.0+12.0	12.0+12.0
Weight	Net Weight	kg	365+365	365+391	365+392	391+392	392+392
	Gross Weight	kg	402+402	402+433	402+434	433+434	434+434
Dimensions	External(HxWxD)	mm	1730x (1350+1350) x750	1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1420) x790	1950x (1420+1665) x790	1950x (1420+1665) x790	1950x (1665+1665) x790	1950x (1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ41.3	Φ41.3	Φ41.3	Φ41.3	Φ41.3
		inch	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8
	Liquid	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2
		inch	7/8	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃
	Heating	WB	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃DB 19℃WB, outdoor ambient temperature 35℃DB;
   Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃DB 6℃WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 52℃ DB or -25℃ WB ~ -20℃ WB, the system may be in intermittent operation. Please contact with ur professional engineer.

Hi-FLEXi S mavo+ Series

HP			58HP	60HP	62HP	64HP
Model	Model		AVWT-552HKFSEA	AVWT-572HKFSEA	AVWT-592HKFSEA	AVWT-612HKFSEA
	Modules		AVWT-170HKFSEA AVWT-170HKFSEA AVWT-212HKFSEA	AVWT-170HKFSEA AVWT-170HKFSEA AVWT-232HKFSEA	AVWT-170HKFSEA AVWT-190HKFSEA AVWT-232HKFSEA	AVWT-190HKFSEA AVWT-190HKFSEA AVWT-232HKFSEA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	161.5	168.0	174.0	180.0
		kBtu/h	550.0	575.0	595.0	615.0
	Power Input	kW	45.92	47.97	49.31	50.65
	EER	kW/kW	3.52	3.50	3.53	3.55
Heating	Capacity	kW	181.0	187.0	194.0	201.0
		kBtu/h	620.0	640.0	660.0	685.0
	Power Input	kW	48.33	50.35	51.90	53.45
	COP	kW/kW	3.75	3.71	3.74	3.76
Ventilation	Air Flow Rate	m^3/min	696	696	763	792
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	67	67	67	67
	Night Shift Mode	dB(A)	52	52	52	52
Compressor	Type	–	Scroll Compressor			
	Compressor Quantity	pcs	4	4	4	4
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	9.6+9.6+12.2	9.6+9.6+12.2	9.6+10.3+12.2	10.3+10.3+12.2
Weight	Net Weight	kg	296+296+363	296+296+365	296+316+365	316+316+365
	Gross Weight	kg	330+330+400	330+330+402	330+347+402	347+347+402
Dimensions	External(HxWxD)	mm	1730x (1210+1210+1350) x750	1730x (1210+1210+1350) x750	1730x (1210+1350+1350) x750	1730x (1210+1350+1350) x750
	Packing(HxWxD)	mm	1950x (1275+1275+1420) x790	1950x (1275+1275+1420) x790	1950x (1275+1420+1420) x790	1950x (1275+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃
	Heating	WB	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃DB 19℃WB, outdoor ambient temperature 35℃DB;
   Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃DB 6℃WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 52℃ DB or -25℃ WB ~ -20℃ WB, the system may be in intermittent operation. Please contact with ur professional engineer.

Hi-FLEXi S mavo+ Series

HP			66HP	68HP	70HP	72HP	74HP
Model	Model		AVWT-634HKFSEA	AVWT-654HKFSEA	AVWT-676HKFSEA	AVWT-696HKFSEA	AVWT-714HKFSEA
	Modules		AVWT-170HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA	AVWT-190HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA	AVWT-212HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA	AVWT-232HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA	AVWT-232HKFSEA AVWT-232HKFSEA AVWT-250HKFSEA
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	186.0	192.0	197.5	204.0	208.5
		kBtu/h	635.0	655.0	675.0	695.0	710.0
	Power Input	kW	53.81	55.15	57.59	59.65	60.60
	EER	kW/kW	3.46	3.48	3.43	3.42	3.44
Heating	Capacity	kW	206.0	213.0	219.0	225.0	230.0
		kBtu/h	705.0	725.0	745.0	770.0	785.0
	Power Input	kW	56.25	57.80	60.14	62.15	63.41
	COP	kW/kW	3.66	3.69	3.64	3.62	3.63
Ventilation	Air Flow Rate	m^3/min	792	859	888	888	942
	Fan Quantity		6	6	6	6	6
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	67	67	68	68	68
	Night Shift Mode	dB(A)	52	52	53	53	53
Compressor	Type	–	Scroll Compressor				
	Compressor Quantity	pcs	5	5	6	6	6
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	9.6+12.2+12.2	10.3+12.2+12.2	12.2+12.2+12.2	12.2+12.2+12.2	12.2+12.2+12.0
Weight	Net Weight	kg	296+365+365	316+365+365	363+365+365	365+365+365	365+365+391
	Gross Weight	kg	330+402+402	347+402+402	400+402+402	402+402+402	402+402+433
Dimensions	External(HxWxD)	mm	1730x (1210+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1600) x750
	Packing(HxWxD)	mm	1950x (1275+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ44.5	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	1-3/4	2	2	2	2
	Liquid	mm	Φ22.2	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	7/8	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃
	Heating	WB	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃DB 19℃WB, outdoor ambient temperature 35℃DB;
   Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃DB 6℃WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 52℃ DB or -25℃ WB ~ -20℃ WB, the system may be in intermittent operation. Please contact with ur professional engineer.

Hi-FLEXi S mavo+ Series

HP			76HP	78HP	80HP	82HP	84HP
Model	Model		AVWT-732HKFSEA	AVWT-754HKFSEA	AVWT-776HKFSEA	AVWT-794HKFSEA	AVWT-816HKFSEA
	Modules		AVWT-232HKFSEA AVWT-250HKFSEA AVWT-250HKFSEA	AVWT-232HKFSEA AVWT-250HKFSEA AVWT-272HKFSEA	AVWT-272HKFSEA AVWT-272HKFSEA AVWT-232HKFSEA	AVWT-272HKFSEA AVWT-272HKFSEA AVWT-250HKFSEA	AVWT-272HKFSEA AVWT-272HKFSEA AVWT-272HKFSEA
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	213.0	220.5	228.0	232.5	240.0
		kBtu/h	725.0	750.0	780.0	795.0	820.0
	Power Input	kW	61.55	64.81	68.08	69.03	72.29
	EER	kW/kW	3.46	3.40	3.35	3.37	3.32
Heating	Capacity	kW	235.0	245.0	255.0	260.0	270.0
		kBtu/h	800.0	835.0	870.0	885.0	920.0
	Power Input	kW	64.67	68.26	71.85	73.11	76.70
	COP	kW/kW	3.63	3.59	3.55	3.56	3.52
Ventilation	Air Flow Rate	m^3/min	996	996	996	1050	1050
	Fan Quantity		6	6	6	6	6
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	68	68	68	69	69
	Night Shift Mode	dB(A)	53	53	53	54	54
Compressor	Type	–	Scroll Compressor				
	Compressor Quantity	pcs	6	6	6	6	6
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	12.2+12.0+12.0	12.2+12.0+12.0	12.0+12.0+12.2	12.0+12.0+12.0	12.0+12.0+12.0
Weight	Net Weight	kg	365+391+391	365+391+392	392+392+365	392+392+391	392+392+392
	Gross Weight	kg	402+433+433	402+433+434	434+434+402	434+434+433	434+434+434
Dimensions	External(HxWxD)	mm	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1600+1600+1350) x750	1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1665+1665) x790	1950x (1420+1665+1665) x790	1950x (1665+1665+1420) x790	1950x (1665+1665+1665) x790	1950x (1665+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃
	Heating	WB	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃DB 19℃WB, outdoor ambient temperature 35℃DB;
   Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃DB 6℃WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 52℃ DB or -25℃ WB ~ -20℃ WB, the system may be in intermittent operation. Please contact with ur professional engineer.

Hi-FLEXi S mavo+ Series

HP			86HP	88HP	90HP	92HP
Model	Model		AVWT-824HKFSEA	AVWT-844HKFSEA	AVWT-866HKFSEA	AVWT-886HKFSEA
	Modules		AVWT-190HKFSEA AVWT-190HKFSEA AVWT-212HKFSEA AVWT-232HKFSEA	AVWT-190HKFSEA AVWT-190HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA	AVWT-190HKFSEA AVWT-212HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA	AVWT-190HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	241.5	248.0	253.5	260.0
		kBtu/h	825.0	845.0	865.0	885.0
	Power Input	kW	68.48	70.54	72.98	75.03
	EER	kW/kW	3.53	3.52	3.47	3.47
Heating	Capacity	kW	270.0	276.0	282.0	288.0
		kBtu/h	920.0	940.0	960.0	985.0
	Power Input	kW	72.14	74.16	76.50	78.52
	COP	kW/kW	3.74	3.72	3.69	3.67
Ventilation	Air Flow Rate	m^3/min	1126	1126	1155	1155
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	69	69	69	69
	Night Shift Mode	dB(A)	54	54	54	54
Compressor	Type	–	Scroll Compressor			
	Compressor Quantity	pcs	6	6	7	7
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	10.3+10.3+12.2+12.2	10.3+10.3+12.2+12.2	10.3+12.2+12.2+12.2	10.3+12.2+12.2+12.2
Weight	Net Weight	kg	316+316+363+365	316+316+365+365	316+363+365+365	316+365+365+365
	Gross Weight	kg	347+347+400+402	347+347+402+402	347+400+402+402	347+402+402+402
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
	Packing(HxWxD)	mm	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃
	Heating	WB	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃DB 19℃WB, outdoor ambient temperature 35℃DB;
   Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃DB 6℃WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 52℃ DB or -25℃ WB ~ -20℃ WB, the system may be in intermittent operation. Please contact with ur professional engineer.

Hi-FLEXi S mavo+ Series

HP			94HP	96HP	98HP	100HP	102HP
Model	Model		AVWT-908HKFSEA	AVWT-928HKFSEA	AVWT-946HKFSEA	AVWT-968HKFSEA	AVWT-986HKFSEA
	Modules		AVWT-212HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA	AVWT-232HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA	AVWT-232HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA AVWT-250HKFSEA	AVWT-232HKFSEA AVWT-232HKFSEA AVWT-232HKFSEA AVWT-272HKFSEA	AVWT-232HKFSEA AVWT-232HKFSEA AVWT-250HKFSEA AVWT-272HKFSEA
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	265.5	272.0	276.5	284.0	288.5
		kBtu/h	905.0	930.0	945.0	970.0	985.0
	Power Input	kW	77.48	79.53	80.48	83.75	84.70
	EER	kW/kW	3.43	3.42	3.44	3.39	3.41
Heating	Capacity	kW	294.0	300.0	305.0	315.0	320.0
		kBtu/h	1005.0	1025.0	1040.0	1075.0	1090.0
	Power Input	kW	80.85	82.87	84.13	87.72	88.98
	COP	kW/kW	3.64	3.62	3.63	3.59	3.60
Ventilation	Air Flow Rate	m^3/min	1184	1184	1238	1238	1292
	Fan Quantity		8	8	8	8	8
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	69	69	69	70	70
	Night Shift Mode	dB(A)	54	54	54	55	55
Compressor	Type	–	Scroll Compressor				
	Compressor Quantity	pcs	8	8	8	8	8
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	12.2+12.2+12.2+12.2	12.2+12.2+12.2+12.2	12.2+12.2+12.2+12.0	12.2+12.2+12.2+12.0	12.2+12.2+12.0+12.0
Weight	Net Weight	kg	363+365+365+365	365+365+365+365	365+365+365+391	365+365+365+392	365+365+391+392
	Gross Weight	kg	400+402+402+402	402+402+402+402	402+402+402+433	402+402+402+434	402+402+433+434
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1600+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1665) x790	1950x (1420+1420+1420+1665) x790	1950x (1420+1420+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃	-5℃-52℃
	Heating	WB	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃	-25℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃DB 19℃WB, outdoor ambient temperature 35℃DB;
   Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃DB 6℃WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 52℃ DB or -25℃ WB ~ -20℃ WB, the system may be in intermittent operation. Please contact with ur professional engineer.

Hi-FLEXi S mavo+ Series

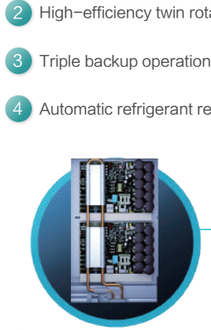
HP			104HP	106HP	108HP	110HP	112HP
Model	Model		AVWT-1008HKFSEA	AVWT-1026HKFSEA	AVWT-1048HKFSEA	AVWT-1066HKFSEA	AVWT-1088HKFSEA
	Modules		AVWT-232HKFSEA AVWT-232HKFSEA AVWT-272HKFSEA AVWT-272HKFSEA	AVWT-232HKFSEA AVWT-250HKFSEA AVWT-272HKFSEA AVWT-272HKFSEA	AVWT-232HKFSEA AVWT-272HKFSEA AVWT-272HKFSEA AVWT-272HKFSEA	AVWT-250HKFSEA AVWT-272HKFSEA AVWT-272HKFSEA AVWT-272HKFSEA	AVWT-272HKFSEA AVWT-272HKFSEA AVWT-272HKFSEA AVWT-272HKFSEA
	Power Supply		AC 3Φ, 380~415V/50/60Hz				
Cooling	Capacity	kW	296.0	300.5	308.0	312.5	320.0
		kBtu/h	1010.0	1025.0	1050.0	1065.0	1090.0
	Power Input	kW	87.96	88.91	92.17	93.12	96.39
	EER	kW/kW	3.37	3.38	3.34	3.36	3.32
Heating	Capacity	kW	330.0	335.0	345.0	350.0	360.0
		kBtu/h	1125.0	1145.0	1175.0	1195.0	1230.0
	Power Input	kW	92.57	93.83	97.42	98.68	102.27
	COP	kW/kW	3.56	3.57	3.54	3.55	3.52
Ventilation	Air Flow Rate	m^3/min	1292	1346	1346	1400	1400
	Fan Quantity		8	8	8	8	8
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	70	70	70	70	70
	Night Shift Mode	dB(A)	55	55	55	55	55
Compressor	Type	–	Scroll Compressor				
	Compressor Quantity	pcs	8	8	8	8	8
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	12.2+12.2+12.0+12.0	12.2+12.0+12.0+12.0	12.2+12.0+12.0+12.0	12.0+12.0+12.0+12.0	12.0+12.0+12.0+12.0
Weight	Net Weight	kg	365+365+392+392	365+391+392+392	365+392+392+392	391+392+392+392	392+392+392+392
	Gross Weight	kg	402+402+434+434	402+433+434+434	402+434+434+434	433+434+434+434	434+434+434+434
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1420+1665+1665) x790	1950x (1420+1665+1665+1665) x790	1950x (1420+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃DB 19℃WB, outdoor ambient temperature 35℃DB;
   Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃DB 6℃WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 52℃ DB or -25℃ WB ~ -20℃ WB, the system may be in intermittent operation. Please contact with ur professional engineer.

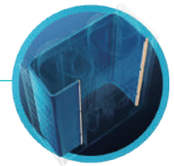
Hi-FLEXi X3 Series

High Performance Beyond Expectations

1. Wide capacity range 8~112HP
2. High-efficiency twin rotary compressor
3. Triple backup operation
4. Automatic refrigerant recycling



5. PCB refrigerant cooling technology



6. G-type heat exchanger with higher heat exchange efficiency

7. Automatic refrigerant charging

Hi-FLEXi X3 Series

HP			8HP	10HP	12HP	14HP	16HP	18HP
Model	Model		AVWT-76HKFXE	AVWT-96HKFXE	AVWT-114HKFXE	AVWT-136HKFXE	AVWT-154HKFXE	AVWT-170HKFXE
	Modules		——	——	——	——	——	——
	Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz					
Cooling	Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.4
		kBtu/h	76.4	95.5	114.3	136.5	153.5	172.0
	Power Input	kW	5.46	7.09	9.18	11.32	13.10	15.34
	EER	kW/kW	4.10	3.95	3.65	3.53	3.44	3.29
Heating	Capacity	kW	25.0	31.5	37.5	45.0	50.0	52.5
		kBtu/h	85.3	107.5	128.0	153.5	170.6	179.1
	Power Input	kW	5.57	7.35	9.21	11.21	12.99	13.78
	COP	kW/kW	4.49	4.29	4.07	4.01	3.85	3.81
Ventilation	Air Flow Rate	m^3/min	170	175	183	205	210	215
	Fan Quantity		1	1	1	2	2	2
	Static Pressure	Pa	110	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	56	57	59	59	60	61
	Night Shift Mode	dB(A)	41	42	44	44	45	46
Compressor	Type	–	Twin Rotary					
	Compressor Quantity	pcs	1	1	1	1	1	1
Refrigerant	Type	–	R410A					
	Pre-charged Quantity	kg	5.3	5.3	5.8	8.1	8.1	10.2
Weight	Net Weight	kg	204	206	213	258	259	279
	Gross Weight	kg	223	225	231	278	279	300
Dimensions	External(HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
	Packing(HxWxD)	mm	1950x1015x790	1950x1015x790	1950x1015x790	1950x1275x790	1950x1275x790	1950x1275x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-54℃	-5℃-54℃	-5℃-54℃	-5℃-54℃	-5℃-54℃	-5℃-54℃
	Heating	WB	-21℃-16.5℃	-21℃-16.5℃	-21℃-16.5℃	-21℃-16.5℃	-21℃-16.5℃	-21℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃ DB 19℃ WB, outdoor ambient temperature 35℃ DB; Heating operation: indoor air inlet temperature 20℃ DB, outdoor ambient temperature 7℃ DB 6℃ WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 54℃ DB, the system may be in intermittent operation. Please contact with our professional engineer.

Hi-FLEXi X3 Series

HP			20HP	22HP	24HP	26HP	28HP
Model	Model		AVWT-190HKFXE	AVWT-212HKFXE	AVWT-232HKFXE	AVWT-250HKFXE	AVWT-272HKFXE
	Modules		——	——	——	——	——
	Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW	56.0	61.5	68.0	73.5	80.0
		kBtu/h	191.1	209.8	232.0	250.8	273.0
	Power Input	kW	17.13	18.96	21.05	22.78	25.03
	EER	kW/kW	3.27	3.24	3.23	3.23	3.20
Heating	Capacity	kW	63.0	69.0	75.0	82.5	87.5
		kBtu/h	215.0	235.4	255.9	281.5	298.6
	Power Input	kW	16.56	18.25	19.84	22.14	23.87
	COP	kW/kW	3.80	3.78	3.78	3.73	3.67
Ventilation	Air Flow Rate	m^3/min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	62	63	63	64	64
	Night Shift Mode	dB(A)	47	48	48	49	49
Compressor	Type	–	Twin Rotary				
	Compressor Quantity	pcs	2	2	2	2	2
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	10.9	11.4	11.4	11.4	11.4
Weight	Net Weight	kg	332	348	349	358	369
	Gross Weight	kg	357	372	373	392	393
Dimensions	External(HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing(HxWxD)	mm	1950x1420x790	1950x1420x790	1950x1420x790	1950x1665x790	1950x1665x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃-54℃	-5℃-54℃	-5℃-54℃	-5℃-54℃	-5℃-54℃
	Heating	WB	-21℃-16.5℃	-21℃-16.5℃	-21℃-16.5℃	-21℃-16.5℃	-21℃-16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃ DB 19℃ WB, outdoor ambient temperature 35℃ DB; Heating operation: indoor air inlet temperature 20℃ DB, outdoor ambient temperature 7℃ DB 6℃ WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 54℃ DB, the system may be in intermittent operation. Please contact with our professional engineer.

Hi-FLEXi X3 Series

HP			30HP	32HP	34HP	36HP
Model	Model		AVWT-290HKFXE	AVWT-308HKFXE	AVWT-326HKFXE	AVWT-344HKFXE
	Modules		AVWT-154HKFXE AVWT-136HKFXE	AVWT-154HKFXE AVWT-154HKFXE	AVWT-190HKFXE AVWT-136HKFXE	AVWT-190HKFXE AVWT-154HKFXE
	Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz			
Cooling	Capacity	kW	85.0	90.0	96.0	101.0
		kBtu/h	290.0	307.0	327.6	344.6
	Power Input	kW	24.4	26.2	28.5	30.2
	EER	kW/kW	3.48	3.44	3.37	3.34
Heating	Capacity	kW	95.0	100.0	108.0	113.0
		kBtu/h	324.1	341.2	368.5	385.6
	Power Input	kW	24.2	26.0	27.8	29.6
	COP	kW/kW	3.93	3.85	3.89	3.82
Ventilation	Air Flow Rate	m^3/min	415	420	472	477
	Fan Quantity		4	4	4	4
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	64	64	64	64
	Night Shift Mode	dB(A)	49	49	49	49
Compressor	Type	–	Twin Rotary			
	Compressor Quantity	pcs	2	2	3	3
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	16.2	16.2	19.0	19.0
Weight	Net Weight	kg	517	518	590	591
	Gross Weight	kg	557	558	635	636
Dimensions	External(HxWxD)	mm	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1350) x750	1730x (1210+1350) x750
	Packing(HxWxD)	mm	1950x (1275+1275) x790	1950x (1275+1275) x790	1950x (1275+1420) x790	1950x (1275+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ31.75	Φ31.75	Φ38.10	Φ38.10
		inch	1-1/4	1-1/4	1-1/2	1-1/2
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
		inch	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	pcs	50	53	56	59
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃
	Heating	WB	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃ DB 19℃ WB, outdoor ambient temperature 35℃ DB; Heating operation: indoor air inlet temperature 20℃ DB, outdoor ambient temperature 7℃ DB 6℃ WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 54℃ DB, the system may be in intermittent operation. Please contact with our professional engineer.

Hi-FLEXi X3 Series

HP			38HP	40HP	42HP	44HP	46HP
Model	Model		AVWT-366HKFXE	AVWT-386HKFXE	AVWT-402HKFXE	AVWT-422HKFXE	AVWT-444HKFXE
	Modules		AVWT-212HKFXE AVWT-154HKFXE	AVWT-232HKFXE AVWT-154HKFXE	AVWT-212HKFXE AVWT-190HKFXE	AVWT-232HKFXE AVWT-190HKFXE	AVWT-232HKFXE AVWT-212HKFXE
	Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW	106.5	113.0	117.5	124.0	129.5
		kBtu/h	363.3	385.5	401	423	442
	Power Input	kW	32.1	34.2	36.1	38.2	40.0
	EER	kW/kW	3.32	3.31	3.26	3.25	3.24
Heating	Capacity	kW	119.0	125.0	132.0	138.0	144.0
		kBtu/h	406.0	426.5	450.4	470.9	491.3
	Power Input	kW	31.2	32.8	34.8	36.4	38.1
	COP	kW/kW	3.81	3.81	3.79	3.79	3.78
Ventilation	Air Flow Rate	m^3/min	506	506	563	563	592
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	65	65	65	66	66
	Night Shift Mode	dB(A)	50	50	50	51	51
Compressor	Type	–	Twin Rotary				
	Compressor Quantity	pcs	3	3	4	4	4
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	19.5	19.5	22.3	22.3	22.8
Weight	Net Weight	kg	607	608	680	681	697
	Gross Weight	kg	651	652	729	730	745
Dimensions	External(HxWxD)	mm	1730x (1210+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
	Packing(HxWxD)	mm	1950x (1275+1420) x790	1950x (1275+1420) x790	1950x (1420+1420) x790	1950x (1420+1420) x790	1950x (1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ38.10	Φ38.10	Φ38.10	Φ38.10	Φ41.30
		inch	1-1/2	1-1/2	1-1/2	1-1/2	1-5/8
	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.20
		inch	3/4	3/4	3/4	3/4	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃
	Heating	WB	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃ DB 19℃ WB, outdoor ambient temperature 35℃ DB; Heating operation: indoor air inlet temperature 20℃ DB, outdoor ambient temperature 7℃ DB 6℃ WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 54℃ DB, the system may be in intermittent operation. Please contact with our professional engineer.

Hi-FLEXi X3 Series

HP			48HP	50HP	52HP	54HP	56HP
Model	Model		AVWT-464HKFXE	AVWT-482HKFXE	AVWT-504HKFXE	AVWT-522HKFXE	AVWT-544HKFXE
	Modules		AVWT-232HKFXE AVWT-232HKFXE	AVWT-250HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-250HKFXE	AVWT-272HKFXE AVWT-272HKFXE
	Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW	136.0	141.5	148.0	153.5	160.0
		kBtu/h	464	483	505	524	546
	Power Input	kW	42.1	43.8	46.1	47.8	50.1
	EER	kW/kW	3.23	3.23	3.21	3.21	3.20
Heating	Capacity	kW	150.0	157.5	162.5	170.0	175.0
		kBtu/h	511.8	537.4	554.5	580.1	597.2
	Power Input	kW	39.7	42.0	43.7	46.0	47.7
	COP	kW/kW	3.78	3.75	3.72	3.69	3.67
Ventilation	Air Flow Rate	m³/min	592	646	646	700	700
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	66	67	67	67	67
	Night Shift Mode	dB(A)	51	52	52	52	52
Compressor	Type	–	Twin Rotary				
	Compressor Quantity	pcs	4	4	4	4	4
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	22.8	22.8	22.8	22.8	22.8
Weight	Net Weight	kg	698	707	718	727	738
	Gross Weight	kg	746	765	766	785	786
Dimensions	External(HxWxD)	mm	1730x (1350+1350) x750	1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1420) x790	1950x (1420+1665) x790	1950x (1420+1665) x790	1950x (1665+1665) x790	1950x (1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ41.3	Φ41.3	Φ41.3	Φ41.3	Φ41.3
		inch	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8
	Liquid	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2
		inch	7/8	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*¹)	50(90*¹)	50(90*¹)	50(90*¹)	50(90*¹)
		m(below)	40(90*¹)	40(90*¹)	40(90*¹)	40(90*¹)	40(90*¹)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*²	Cooling	DB	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃
	Heating	WB	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃ DB 19℃ WB, outdoor ambient temperature 35℃ DB; Heating operation: indoor air inlet temperature 20℃ DB, outdoor ambient temperature 7℃ DB 6℃ WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*¹: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*²: When the operation temperature is under 48℃ DB ~ 54℃ DB, the system may be in intermittent operation. Please contact with our professional engineer.

Hi-FLEXi X3 Series

HP			58HP	60HP	62HP	64HP
Model	Model		AVWT-556HKFXE	AVWT-576HKFXE	AVWT-598HKFXE	AVWT-618HKFXE
	Modules		AVWT-212HKFXE AVWT-190HKFXE AVWT-154HKFXE	AVWT-232HKFXE AVWT-190HKFXE AVWT-154HKFXE	AVWT-232HKFXE AVWT-212HKFXE AVWT-154HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-154HKFXE
	Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz			
Cooling	Capacity	kW	162.5	169.0	174.5	181.0
		kBtu/h	554.4	576.6	595.3	617.5
	Power Input	kW	49.2	51.3	53.1	55.2
	EER	kW/kW	3.30	3.30	3.29	3.28
Heating	Capacity	kW	182.0	188.0	194.0	200.0
		kBtu/h	621.0	641.5	661.9	682.4
	Power Input	kW	47.8	49.4	51.1	52.7
	COP	kW/kW	3.81	3.81	3.80	3.80
Ventilation	Air Flow Rate	m³/min	773	773	802	802
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	67	67	67	67
	Night Shift Mode	dB(A)	52	52	52	52
Compressor	Type	–	Twin Rotary			
	Compressor Quantity	pcs	5	5	5	5
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	30.4	30.4	30.9	30.9
Weight	Net Weight	kg	939	940	956	957
	Gross Weight	kg	1008	1009	1024	1025
Dimensions	External(HxWxD)	mm	1730x (1210+1350+1350) x750	1730x (1210+1350+1350) x750	1730x (1210+1350+1350) x750	1730x (1210+1350+1350) x750
	Packing(HxWxD)	mm	1950x (1275+1420+1420) x790	1950x (1275+1420+1420) x790	1950x (1275+1420+1420) x790	1950x (1275+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*¹)	50(90*¹)	50(90*¹)	50(90*¹)
		m(below)	40(90*¹)	40(90*¹)	40(90*¹)	40(90*¹)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*²	Cooling	DB	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃
	Heating	WB	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃ DB 19℃ WB, outdoor ambient temperature 35℃ DB; Heating operation: indoor air inlet temperature 20℃ DB, outdoor ambient temperature 7℃ DB 6℃ WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*¹: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*²: When the operation temperature is under 48℃ DB ~ 54℃ DB, the system may be in intermittent operation. Please contact with our professional engineer.

Hi-FLEXi X3 Series

HP			66HP	68HP	70HP	72HP	74HP
Model	Model		AVWT-634HKFXE	AVWT-654HKFXE	AVWT-676HKFXE	AVWT-696HKFXE	AVWT-714HKFXE
	Modules		AVWT-232HKFXE AVWT-212HKFXE AVWT-190HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-190HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-212HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-232HKFXE	AVWT-250HKFXE AVWT-232HKFXE AVWT-232HKFXE
	Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW	185.5	192.0	197.5	204.0	209.5
		kBtu/h	632.9	655.1	673.8	696.0	714.8
	Power Input	kW	57.1	59.2	61.1	63.2	64.9
	EER	kW/kW	3.25	3.24	3.23	3.23	3.23
Heating	Capacity	kW	207.0	213.0	219.0	225.0	232.5
		kBtu/h	706.3	726.8	747.2	767.7	793.3
	Power Input	kW	54.7	56.2	57.9	59.5	61.8
	COP	kW/kW	3.79	3.79	3.78	3.78	3.76
	Air Flow Rate	m³/min	859	859	888	888	942
Ventilation	Fan Quantity		6	6	6	6	6
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	67	67	68	68	68
	Night Shift Mode	dB(A)	52	52	53	53	53
Compressor	Type	–	Twin Rotary				
	Compressor Quantity	pcs	6	6	6	6	6
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	33.7	33.7	34.2	34.2	34.2
Weight	Net Weight	kg	1029	1030	1046	1047	1056
	Gross Weight	kg	1102	1103	1118	1119	1138
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ44.5	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	1-3/4	2	2	2	2
	Liquid	mm	Φ22.2	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	7/8	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃
	Heating	WB	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃ DB 19℃ WB, outdoor ambient temperature 35℃ DB; Heating operation: indoor air inlet temperature 20℃ DB, outdoor ambient temperature 7℃ DB 6℃ WB.
2. The above noise values are measured in the anechoic chamber without refiected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 54℃ DB, the system may be in intermittent operation. Please contact with our professional engineer.

Hi-FLEXi X3 Series

HP			76HP	78HP	80HP	82HP	84HP
Model	Model		AVWT-732HKFXE	AVWT-754HKFXE	AVWT-776HKFXE	AVWT-794HKFXE	AVWT-816HKFXE
	Modules		AVWT-250HKFXE AVWT-250HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-250HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-272HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-272HKFXE AVWT-250HKFXE	AVWT-272HKFXE AVWT-272HKFXE AVWT-272HKFXE
	Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW	215.0	221.5	228.0	233.5	240.0
		kBtu/h	733.6	755.8	778.0	796.8	819.0
	Power Input	kW	66.6	68.9	71.1	72.8	75.1
	EER	kW/kW	3.23	3.22	3.21	3.21	3.20
Heating	Capacity	kW	240.0	245.0	250.0	257.5	262.5
		kBtu/h	818.9	836.0	853.1	878.7	895.8
	Power Input	kW	64.1	65.9	67.6	69.9	71.6
	COP	kW/kW	3.74	3.72	3.70	3.68	3.67
	Air Flow Rate	m³/min	996	996	996	1050	1050
Ventilation	Fan Quantity		6	6	6	6	6
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	68	68	68	69	69
	Night Shift Mode	dB(A)	53	53	53	54	54
Compressor	Type	–	Twin Rotary				
	Compressor Quantity	pcs	6	6	6	6	6
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	34.2	34.2	34.2	34.2	34.2
Weight	Net Weight	kg	1065	1076	1087	1096	1107
	Gross Weight	kg	1157	1158	1159	1178	1179
Dimensions	External(HxWxD)	mm	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1665+1665) x790	1950x (1420+1665+1665) x790	1950x (1420+1665+1665) x790	1950x (1665+1665+1665) x790	1950x (1665+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃
	Heating	WB	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃ DB 19℃ WB, outdoor ambient temperature 35℃ DB; Heating operation: indoor air inlet temperature 20℃ DB, outdoor ambient temperature 7℃ DB 6℃ WB.
2. The above noise values are measured in the anechoic chamber without refiected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 54℃ DB, the system may be in intermittent operation. Please contact with our professional engineer.

Hi-FLEXi X3 Series

HP			86HP	88HP	90HP	92HP
Model	Model		AVWT-824HKFXE	AVWT-844HKFXE	AVWT-866HKFXE	AVWT-886HKFXE
	Modules		AVWT-232HKFXE AVWT-212HKFXE AVWT-190HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-190HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-212HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-232HKFXE AVWT-190HKFXE
	Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz			
Cooling	Capacity	kW	241.5	248.0	253.5	260.0
		kBtu/h	824.0	846.2	864.9	887.1
	Power Input	kW	74.3	76.4	78.2	80.3
	EER	kW/kW	3.25	3.25	3.24	3.24
Heating	Capacity	kW	270.0	276.0	282.0	288.0
		kBtu/h	921.3	941.8	962.2	982.7
	Power Input	kW	71.2	72.8	74.5	76.1
	COP	kW/kW	3.79	3.79	3.79	3.79
Ventilation	Air Flow Rate	m³/min	1126	1126	1155	1155
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	69	69	69	69
	Night Shift Mode	dB(A)	54	54	54	54
Compressor	Type	–	Twin Rotary			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	44.6	44.6	45.1	45.1
Weight	Net Weight	kg	1361	1362	1378	1379
	Gross Weight	kg	1459	1460	1475	1476
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
	Packing(HxWxD)	mm	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
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
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃
	Heating	WB	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃ DB 19℃ WB, outdoor ambient temperature 35℃ DB; Heating operation: indoor air inlet temperature 20℃ DB, outdoor ambient temperature 7℃ DB 6℃ WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 54℃ DB, the system may be in intermittent operation. Please contact with our professional engineer.

Hi-FLEXi X3 Series

HP			94HP	96HP	98HP	100HP	102HP
Model	Model		AVWT-908HKFXE	AVWT-928HKFXE	AVWT-946HKFXE	AVWT-968HKFXE	AVWT-986HKFXE
	Modules		AVWT-232HKFXE AVWT-232HKFXE AVWT-232HKFXE AVWT-212HKFXE	AVWT-232HKFXE AVWT-232HKFXE AVWT-232HKFXE AVWT-232HKFXE	AVWT-250HKFXE AVWT-232HKFXE AVWT-232HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-272HKFXE AVWT-232HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-250HKFXE AVWT-232HKFXE AVWT-232HKFXE
	Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW	265.5	272.0	277.5	284.0	289.5
		kBtu/h	905.8	928.0	946.8	969.0	987.8
	Power Input	kW	82.1	84.2	85.9	88.2	89.9
	EER	kW/kW	3.23	3.23	3.23	3.22	3.22
Heating	Capacity	kW	294.0	300.0	307.5	312.5	320.0
		kBtu/h	1003.1	1023.6	1049.2	1066.3	1091.9
	Power Input	kW	77.8	79.4	81.7	83.4	85.7
	COP	kW/kW	3.78	3.78	3.77	3.75	3.73
Ventilation	Air Flow Rate	m³/min	1184	1184	1238	1238	1292
	Fan Quantity		8	8	8	8	8
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	69	69	69	70	70
	Night Shift Mode	dB(A)	54	54	54	55	55
Compressor	Type	–	Twin Rotary				
	Compressor Quantity	pcs	8	8	8	8	8
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	45.6	45.6	45.6	45.6	45.6
Weight	Net Weight	kg	1395	1396	1405	1416	1425
	Gross Weight	kg	1491	1492	1511	1512	1531
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1350+1600) x750	1730x (1350+1350+1600+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1420) x790	1950x (1420+1420+1420+1665) x790	1950x (1420+1420+1420+1665) x790	1950x (1420+1420+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃
	Heating	WB	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃

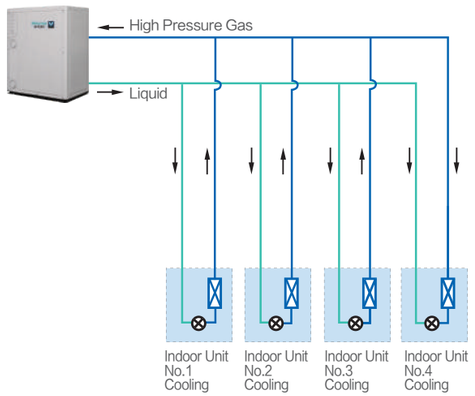
Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃ DB 19℃ WB, outdoor ambient temperature 35℃ DB; Heating operation: indoor air inlet temperature 20℃DB, outdoor ambient temperature 7℃ DB 6℃ WB.
2. The above noise values are measured in the anechoic chamber without reflected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 54℃ DB, the system may be in intermittent operation. Please contact with our professional engineer.

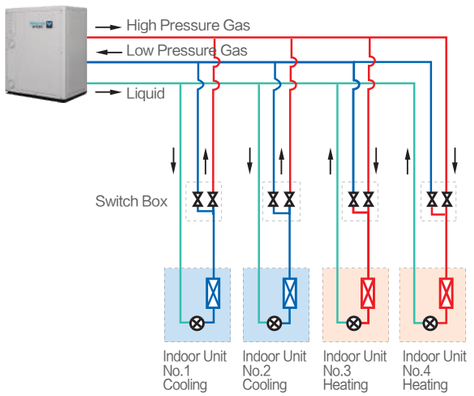
Hi-FLEXi X3 Series

HP			104HP	106HP	108HP	110HP	112HP
Model	Model		AVWT-1008HKFXE	AVWT-1026HKFXE	AVWT-1048HKFXE	AVWT-1066HKFXE	AVWT-1088HKFXE
	Modules		AVWT-272HKFXE AVWT-272HKFXE AVWT-232HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-272HKFXE AVWT-250HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-272HKFXE AVWT-272HKFXE AVWT-232HKFXE	AVWT-272HKFXE AVWT-272HKFXE AVWT-272HKFXE AVWT-250HKFXE	AVWT-272HKFXE AVWT-272HKFXE AVWT-272HKFXE AVWT-272HKFXE
	Power Supply		AC 3Φ, 380~415V/50Hz, 380V/60Hz				
Cooling	Capacity	kW	296.0	301.5	308.0	313.5	320.0
		kBtu/h	1010.0	1028.8	1051.0	1069.8	1092.0
	Power Input	kW	92.2	93.9	96.1	97.9	100.1
	EER	kW/kW	3.21	3.21	3.20	3.20	3.20
Heating	Capacity	kW	325.0	332.5	337.5	345.0	350.0
		kBtu/h	1109.0	1134.6	1151.7	1177.3	1194.4
	Power Input	kW	87.4	89.7	91.5	93.8	95.5
	COP	kW/kW	3.72	3.71	3.69	3.68	3.67
Ventilation	Air Flow Rate	m^3/min	1292	1346	1346	1400	1400
	Fan Quantity		8	8	8	8	8
	Static Pressure	Pa	110	110	110	110	110
Sound Pressure Level	Normal Mode	dB(A)	70	70	70	70	70
	Night Shift Mode	dB(A)	55	55	55	55	55
Compressor	Type	–	Twin Rotary				
	Compressor Quantity	pcs	8	8	8	8	8
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	45.6	45.6	45.6	45.6	45.6
Weight	Net Weight	kg	1436	1445	1456	1465	1476
	Gross Weight	kg	1532	1551	1552	1571	1572
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1350+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1420+1665+1665) x790	1950x (1420+1665+1665+1665) x790	1950x (1420+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
		inch	2	2	2	2	2
	Liquid	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
		inch	1	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	–	50%~150%	50%~150%	50%~150%	50%~150%	50%~150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*1)	50(90*1)	50(90*1)	50(90*1)	50(90*1)
		m(below)	40(90*1)	40(90*1)	40(90*1)	40(90*1)	40(90*1)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Piping Length	m	1000	1000	1000	1000	1000
Operation Range*2	Cooling	DB	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃	-5℃~54℃
	Heating	WB	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃	-21℃~16.5℃

Notes:
1. Rated capacity is tested in the following conditions:
   Pipe length: 7.5m, Pipe height difference: 0m; Cooling operation: indoor air inlet temperature 27℃ DB 19℃ WB, outdoor ambient temperature 35℃ DB; Heating operation: indoor air inlet temperature 20℃ DB, outdoor ambient temperature 7℃ DB 6℃ WB.
2. The above noise values are measured in the anechoic chamber without refiected echo. Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
*1: For height difference between ODU & IDU more than 50(40)m, please contact with our professional engineer.
*2: When the operation temperature is under 48℃ DB ~ 54℃ DB, the system may be in intermittent operation. Please contact with our professional engineer.

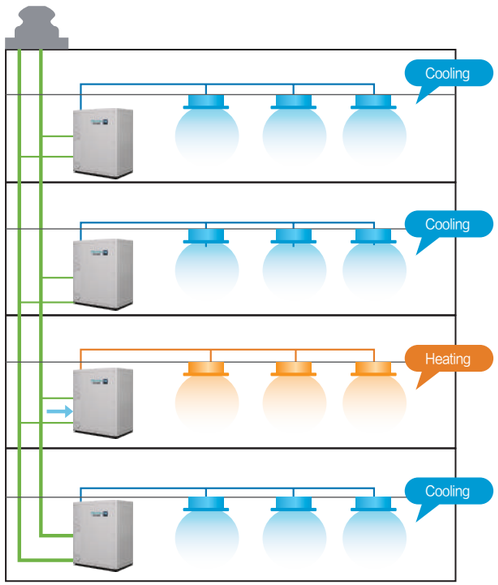
Available for two-pipe Systems and three-pipe Systems



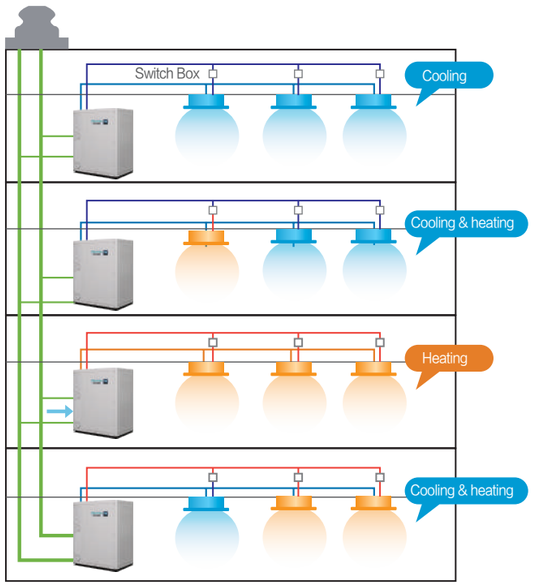


2-stage Heat Recovery

1-stage Heat Recovery



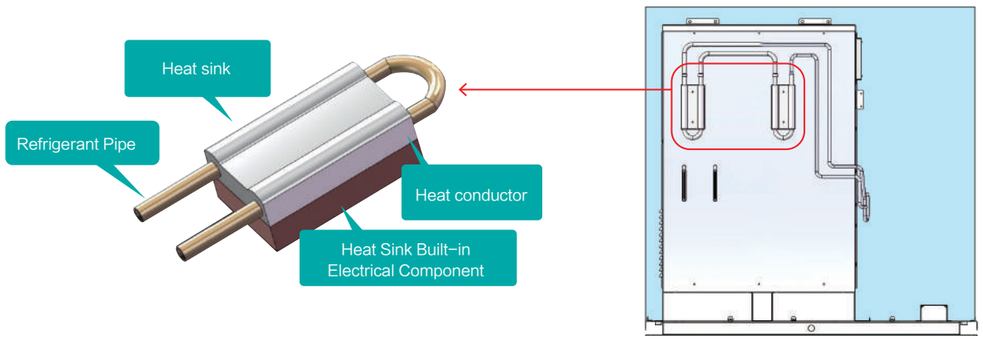
2-stage Heat Recovery



Patented 360° Fitted Refrigerant Cooling Technology

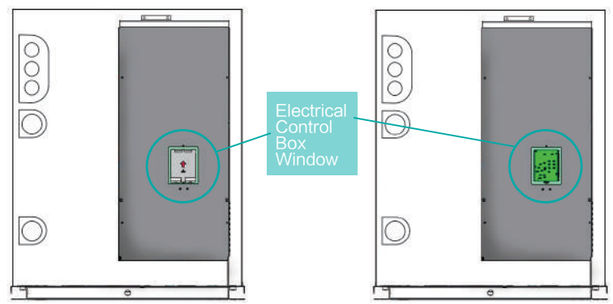
Patented 360 °refrigerant cooling technology can help to remove the heat from the main PCB, inverter module and electrical box efficiently, which will greatly improve the reliability of the machine, especially in the high temperature ambient.

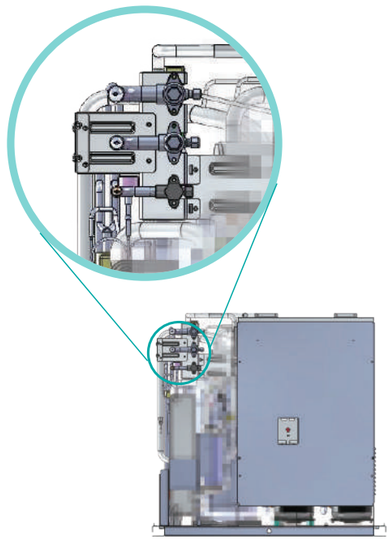
- A tin heat conductor is adopted between the refrigerant pipe and the heat sink to increase the heat transfer efficiency.
- The heat sink, made of aluminum alloy with high thermal conductivity, and the refrigerant tube are tightly combined through tube expander to improve heat exchange efficiency.



Convenient Installation

The electrical control box window is designed for service engineers to check issues of PCB conveniently. Especially for issues with a high voltage risk of electric shock, it can help engineers to avoid some risks.

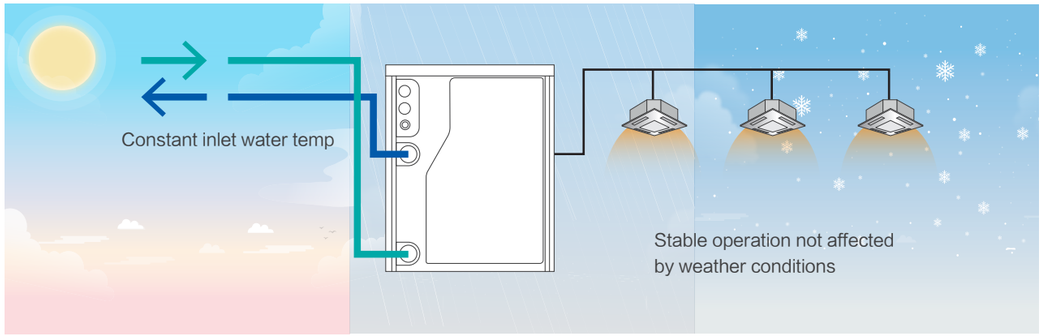




It is very convenient to install and save installation space because of the front outlet pipes.

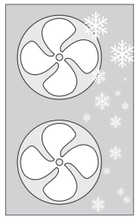
Indoor Installation, not Affected by Weather Conditions

Indoor installation does not affect the facade of buliding, and avoids the poor heat dissipation problems which often encountered by many air-cooled outdoor units.
Water-cooled efficiency is higher than air-cooled, making the system more energy efficient.



Continuous Heating without Defrosting Operation

Because the product is generally installed indoors, in heating mode, the cold energy is discharged to the outside through water, which avoids the defrosting problem of air-cooled products.

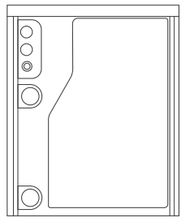


Air Cooled

Heating | Defrosting

Intermittent operation of heating and defrosting

Water Cooled

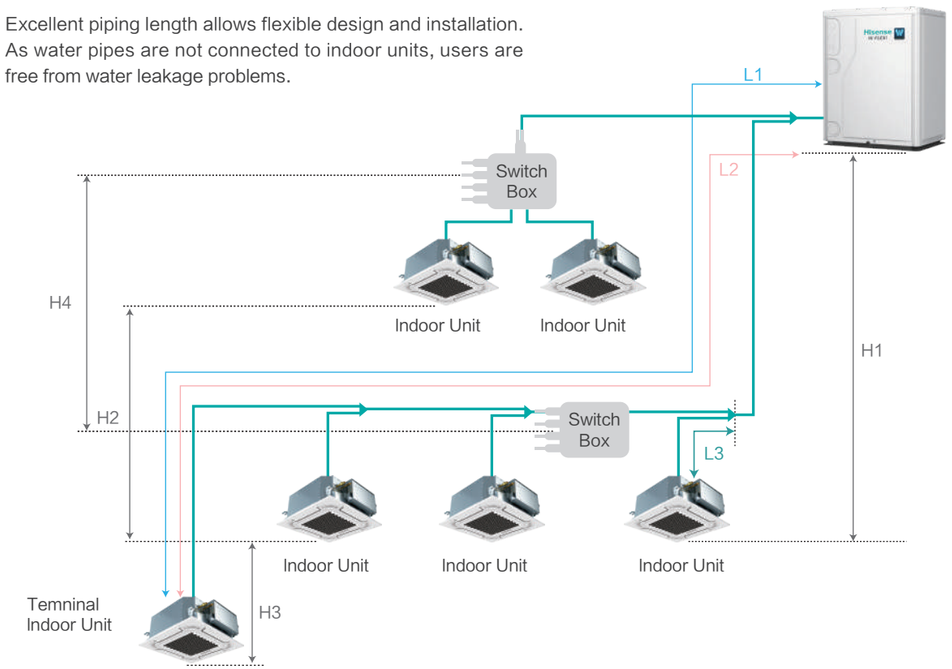


Heating

Continuous heating

Piping Length

Excellent piping length allows flexible design and installation. As water pipes are not connected to indoor units, users are free from water leakage problems.



Max. equivalent pipe length L1: 190m

Max. pipe length from first branch to each indoor unit L2: 40m

Max. pipe length from certain branch to the nearby indoor unit L3: 30m

Height difference between outdoor unit and indoor unit H1:
Outdoor unit is higher: 50m
Outdoor unit is lower: 40m

Height difference between indoor units H2: 15m

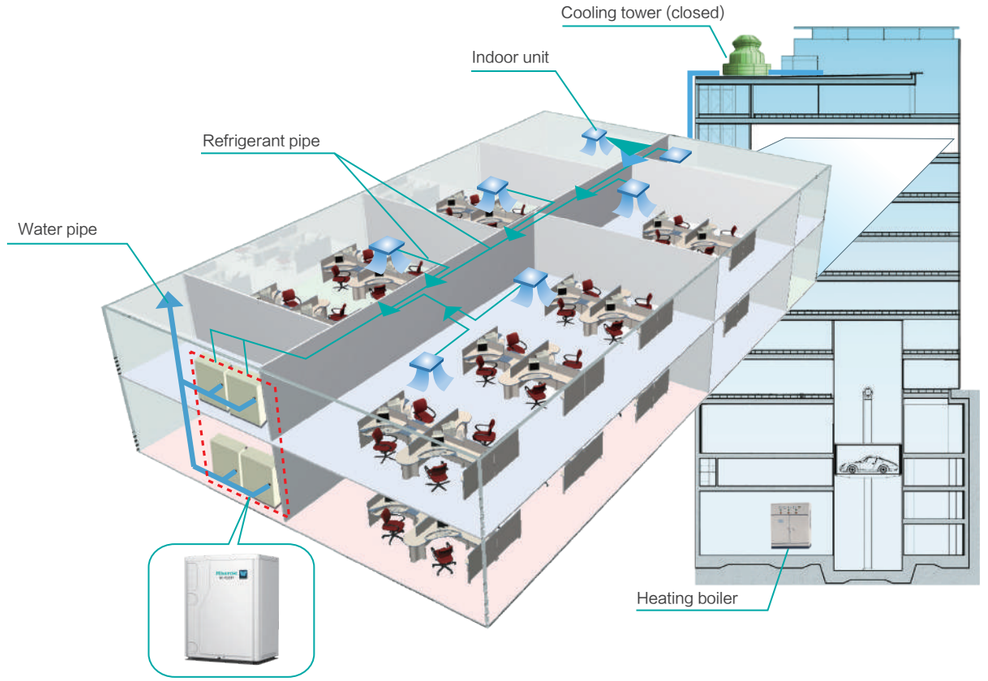
Height difference between indoor units using the same SW box H3: 4m

Height difference between SW boxes H4: 5m

Multiple Applications

Building Water Loop System

Building water loop system is a common application. The circulating water is heated by boilers during heating mode, and is cooled by the cooling tower during cooling mode to maintain the temperature of the water cycling system.



Others Applications

Uses underground heat sources like soil, surface water, underground water, seawater, lakes, rivers and more as renewable energy for cooling and heating. Water or antifreeze solution is circulated through the closed loop HDPE (High Density Poly-Ethylene) pipes buried beneath the earth's surface.

Surface water

Seawater

Groud water

Soil source

Hi-FLEXi W Series

HP			8HP	10HP	12HP	14HP
Model	Model		AVWW-76FKFW	AVWW-96FKFW	AVWW-114FKFW	AVWW-136FKFW
	Modules		——	——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	22.4	28.0	33.5	40.0
		kBtu/h	76.5	95.6	114.3	136.5
	Power Input	kW	3.85	5.04	6.32	7.84
	EER	kW/kW	5.82	5.55	5.30	5.10
Heating	Capacity	kW	25.0	31.5	37.5	45.0
		kBtu/h	85.3	107.5	128.0	153.6
	Power Input	kW	4.08	5.25	6.45	8.03
	COP	kW/kW	6.12	6.00	5.81	5.60
Sound	Sound Pressure Level Cooling/Heating	dB(A)	49/51	51/53	53/54	55/57
Water-side Heat Exchanger	Water Temperature	℃	10~45	10~45	10~45	10~45
	Rated Water Flow Rate	L/min	76.7	96.0	115.0	138.3
	Water Pressure Drop	kPa	30	45	45	60
	Maximum Pressure Resistance	kgf/cm²	20	20	20	20
Weight	Net Weight	kg	166	166	171	171
	Gross Weight	kg	170	170	175	175
Dimensions	External (H×W×D)	mm	1030×820×560	1030×820×560	1030×820×560	1030×820×560
	Packing(H×W×D)	mm	1180×900×632	1180×900×632	1180×900×632	1180×900×632
Ref. Piping	Liquid Pipe	mm	Φ9.53	Φ9.53	Φ12.70	Φ12.70
		inch	3/8	3/8	1/2	1/2
	Low Pressure Gas Pipe	mm	Φ19.05	Φ22.20	Φ25.40	Φ25.40
		inch	3/4	7/8	1	1
	High/Low Pressure Gas Pipe	mm	Φ15.88	Φ19.05	Φ22.20	Φ22.20
		inch	5/8	3/4	7/8	7/8
Water Connecting Pipes	Water Pipe		DN32	DN32	DN32	DN32
	Thread of Connector		G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B
	Drain Pipe	mm	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18
MAX. Connectable Indoor Units	Recommended		12	15	18	21
	Max.		19	24	29	34

Notes:
1. Operation condition:
   Cooling: indoor temperature 27℃ DB /19℃ WB, water inlet outlet 30/35℃.
   Heating: indoor temperature 20℃ DB /15℃ WB, water inlet 20℃.
2. The sound pressure is based on the following conditions.
   1 meter from the unit service cover surface, and 1.5 meters from floor level.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. When unit is operating out of the allowable water temperature range, it won't strat normally and will alarm.
4. For Max. pipe length more than 300m, please contact with our professional engineer.

Hi-FLEXi W Series

HP			16HP	18HP	20HP
Model	Model		AVWW-154FKFW	AVWW-170FKFW	AVWW-190FKFW
	Modules		——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz		
Cooling	Capacity	kW	45.0	50.0	56.0
		kBtu/h	153.6	170.6	191.1
	Power Input	kW	8.11	9.43	10.98
	EER	kW/kW	5.55	5.30	5.10
Heating	Capacity	kW	50.0	56.0	63.0
		kBtu/h	170.6	191.1	215.0
	Power Input	kW	8.33	9.62	10.86
	COP	kW/kW	6.00	5.82	5.80
Sound	Sound Pressure Level Cooling/Heating	dB(A)	51/52	53/53	53/55
Water-side Heat Exchanger	Water Temperature	℃	10~45	10~45	10~45
	Rated Water Flow Rate	L/min	153.3	166.7	193.3
	Water Pressure Drop	kPa	40	45	60
	Maximum Pressure Resistance	kgf/cm²	20	20	20
Weight	Net Weight	kg	245	246	246
	Gross Weight	kg	250	251	251
Dimensions	External (H×W×D)	mm	1030×1040×560	1030×1040×560	1030×1040×560
	Packing(H×W×D)	mm	1180×1112×632	1180×1112×632	1180×1112×632
Ref. Piping	Liquid Pipe	mm	Φ12.70	Φ15.88	Φ15.88
		inch	1/2	5/8	5/8
	Low Pressure Gas Pipe	mm	Φ28.60	Φ28.60	Φ28.60
		inch	1-1/8	1-1/8	1-1/8
	High/Low Pressure Gas Pipe	mm	Φ22.20	Φ22.20	Φ22.20
		inch	7/8	7/8	7/8
Water Connecting Pipes	Water Pipe		DN32	DN32	DN32
	Thread of Connector		G1-1/4B	G1-1/4B	G1-1/4B
	Drain Pipe	mm	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18
MAX. Connectable Indoor Units	Recommended		23	26	29
	Max.		39	43	48

Notes:
1. Operation condition:
   Cooling: indoor temperature 27℃ DB /19℃ WB, water inlet outlet 30/35℃.
   Heating: indoor temperature 20℃ DB /15℃ WB, water inlet 20℃.
2. The sound pressure is based on the following conditions.
   1 meter from the unit service cover surface, and 1.5 meters from floor level.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. When unit is operating out of the allowable water temperature range, it won't strat normally and will alarm.
4. For Max. pipe length more than 300m, please contact with our professional engineer.

Hi-FLEXi W Series

HP			22HP	24HP	26HP	28HP	30HP
Model	Model		AVWW-210FKFW	AVWW-228FKFW	AVWW-250FKFW	AVWW-268FKFW	AVWW-286FKFW
	Modules		AVWW-96FKFW AVWW-114FKFW	AVWW-114FKFW AVWW-114FKFW	AVWW-114FKFW AVWW-136FKFW	AVWW-114FKFW AVWW-154FKFW	AVWW-96FKFW AVWW-190FKFW
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	61.5	67.0	73.5	78.5	84.0
		kBtu/h	209.9	228.6	250.8	267.9	286.7
	Power Input	kW	11.4	12.6	14.2	14.4	16.0
	EER	kW/kW	5.41	5.30	5.19	5.44	5.24
Heating	Capacity	kW	69.0	75.0	82.5	87.5	94.5
		kBtu/h	235.4	255.9	281.6	298.6	322.4
	Power Input	kW	11.7	12.9	14.5	14.8	16.1
	COP	kW/kW	5.90	5.81	5.70	5.92	5.87
Sound	Sound Pressure Level Cooling/Heating	dB(A)	56/57	56/57	58/60	56/57	56/58
Water-side Heat Exchanger	Water Temperature	℃	10~45	10~45	10~45	10~45	10~45
	Rated Water Flow Rate	L/min	211.0	230.0	253.3	268.3	289.3
	Water Pressure Drop	kPa	/	/	/	/	/
	Maximum Pressure Resistance	kgf/cm²	20	20	20	20	20
Weight	Net Weight	kg	337	342	342	416	412
	Gross Weight	kg	345	350	350	425	421
Dimensions	External (H×W×D)	mm	1030× (820+820) ×560	1030× (820+820) ×560	1030× (820+820) ×560	1030× (820+1040) ×560	1030× (820+1040) ×560
	Packing(H×W×D)	mm	1180× (900+900) ×632	1180× (900+900) ×632	1180× (900+900) ×632	1180× (900+1112) ×632	1180× (900+1112) ×632
Ref. Piping	Liquid Pipe	mm	Φ15.88	Φ15.88	Φ19.05	Φ19.05	Φ19.05
		inch	5/8	5/8	3/4	3/4	3/4
	Low Pressure Gas Pipe	mm	Φ28.60	Φ28.60	Φ31.75	Φ31.75	Φ31.75
		inch	1-1/8	1-1/8	1-1/4	1-1/4	1-1/4
	High/Low Pressure Gas Pipe	mm	Φ25.40	Φ25.40	Φ25.40	Φ28.60	Φ28.60
		inch	1	1	1	1-1/8	1-1/8
Water Connecting Pipes	Water Pipe		DN32	DN32	DN32	DN32	DN32
	Thread of Connector		G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B
	Drain Pipe	mm	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18
MAX. Connectable Indoor Units	Recommended		33	36	39	40	40
	Max.		53	58	63	64	64

Notes:
1. Operation condition:
   Cooling: indoor temperature 27℃ DB /19℃ WB, water inlet outlet 30/35℃.
   Heating: indoor temperature 20℃ DB /15℃ WB, water inlet 20℃.
2. The sound pressure is based on the following conditions.
   1 meter from the unit service cover surface, and 1.5 meters from floor level.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. When unit is operating out of the allowable water temperature range, it won't strat normally and will alarm.
4. For Max. pipe length more than 300m, please contact with our professional engineer.

Hi-FLEXi W Series

HP			32HP	34HP	36HP	38HP	40HP
Model	Model		AVWW-304FKFW	AVWW-326FKFW	AVWW-344FKFW	AVWW-360FKFW	AVWW-380FKFW
	Modules		AVWW-114FKFW AVWW-190FKFW	AVWW-136FKFW AVWW-190FKFW	AVWW-154FKFW AVWW-190FKFW	AVWW-170FKFW AVWW-190FKFW	AVWW-190FKFW AVWW-190FKFW
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	89.5	96.0	101.0	106.0	112.0
		kBtu/h	305.4	327.6	344.7	361.7	382.1
	Power Input	kW	17.3	18.8	19.1	20.4	22.0
	EER	kW/kW	5.17	5.10	5.29	5.19	5.10
Heating	Capacity	kW	100.5	108.0	113.0	119.0	126.0
		kBtu/h	342.9	368.6	385.6	406.0	429.9
	Power Input	kW	17.3	18.9	19.2	20.5	21.7
	COP	kW/kW	5.81	5.72	5.89	5.81	5.80
Sound	Sound Pressure Level Cooling/Heating	dB(A)	56/58	58/60	56/58	56/58	56/58
Water-side Heat Exchanger	Water Temperature	℃	10~45	10~45	10~45	10~45	10~45
	Rated Water Flow Rate	L/min	308.3	331.7	346.7	360.0	386.7
	Water Pressure Drop	kPa	/	/	/	/	/
	Maximum Pressure Resistance	kgf/cm²	20	20	20	20	20
Weight	Net Weight	kg	417	417	491	492	492
	Gross Weight	kg	426	426	501	502	502
Dimensions	External (H×W×D)	mm	1030× (820+1040) ×560	1030× (820+1040) ×560	1030× (1040+1040) ×560	1030× (1040+1040) ×560	1030× (1040+1040) ×560
	Packing(H×W×D)	mm	1180× (900+1112) ×632	1180× (900+1112) ×632	1180× (1112+1112) ×632	1180× (1112+1112) ×632	1180× (1112+1112) ×632
Ref. Piping	Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
		inch	3/4	3/4	3/4	3/4	3/4
	Low Pressure Gas Pipe	mm	Φ31.75	Φ31.75	Φ31.75	Φ38.10	Φ38.10
		inch	1-1/4	1-1/4	1-1/4	1-1/2	1-1/2
	High/Low Pressure Gas Pipe	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
Water Connecting Pipes	Water Pipe		DN32	DN32	DN32	DN32	DN32
	Thread of Connector		G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B
	Drain Pipe	mm	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18
MAX. Connectable Indoor Units	Recommended		40	40	40	40	40
	Max.		64	64	64	64	64

Notes:
1. Operation condition:
   Cooling: indoor temperature 27℃ DB /19℃ WB, water inlet outlet 30/35℃.
   Heating: indoor temperature 20℃ DB /15℃ WB, water inlet 20℃.
2. The sound pressure is based on the following conditions.
   1 meter from the unit service cover surface, and 1.5 meters from floor level.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. When unit is operating out of the allowable water temperature range, it won't strat normally and will alarm.
4. For Max. pipe length more than 300m, please contact with our professional engineer.

Hi-FLEXi W Series

HP			42HP	44HP	46HP	48HP	50HP
Model	Model		AVWW-400FKFW	AVWW-418FKFW	AVWW-440FKFW	AVWW-456FKFW	AVWW-476FKFW
	Modules		AVWW-96FKFW AVWW-114FKFW AVWW-190FKFW	AVWW-114FKFW AVWW-114FKFW AVWW-190FKFW	AVWW-96FKFW AVWW-154FKFW AVWW-190FKFW	AVWW-96FKFW AVWW-170FKFW AVWW-190FKFW	AVWW-96FKFW AVWW-190FKFW AVWW-190FKFW
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	117.5	123.0	129.0	134.0	140.0
		kBtu/h	401.0	419.7	440.3	457.3	477.7
	Power Input	kW	22.3	23.6	24.1	25.5	27.0
	EER	kW/kW	5.26	5.21	5.35	5.27	5.19
Heating	Capacity	kW	132.0	138.0	144.5	150.5	157.5
		kBtu/h	450.4	470.9	493.0	513.5	537.4
	Power Input	kW	22.6	23.8	24.4	25.7	27.0
	COP	kW/kW	5.85	5.81	5.91	5.85	5.84
Sound	Sound Pressure Level Cooling/Heating	dB(A)	58/60	58/60	58/60	58/60	58/60
Water-side Heat Exchanger	Water Temperature	℃	10~45	10~45	10~45	10~45	10~45
	Rated Water Flow Rate	L/min	404.3	423.3	442.7	456.0	482.7
	Water Pressure Drop	kPa	/	/	/	/	/
	Maximum Pressure Resistance	kgf/cm²	20	20	20	20	20
Weight	Net Weight	kg	583	588	657	658	658
	Gross Weight	kg	596	601	671	672	672
Dimensions	External (H×W×D)	mm	1030× (820+820+1040) ×560	1030× (820+820+1040) ×560	1030× (820+1040+1040) ×560	1030× (820+1040+1040) ×560	1030× (820+1040+1040) ×560
	Packing(H×W×D)	mm	1180× (900+900+1112) ×632	1180× (900+900+1112) ×632	1180× (900+1112+1112) ×632	1180× (900+1112+1112) ×632	1180× (900+1112+1112) ×632
Ref. Piping	Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
		inch	3/4	3/4	3/4	3/4	3/4
	Low Pressure Gas Pipe	mm	Φ38.10	Φ38.10	Φ38.10	Φ38.10	Φ38.10
		inch	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	High/Low Pressure Gas Pipe	mm	Φ31.75	Φ31.75	Φ31.75	Φ31.75	Φ31.75
		inch	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
Water Connecting Pipes	Water Pipe		DN32	DN32	DN32	DN32	DN32
	Thread of Connector		G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B
	Drain Pipe	mm	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18
MAX. Connectable Indoor Units	Recommended		40	40	40	40	40
	Max.		64	64	64	64	64

Notes:
1. Operation condition:
   Cooling: indoor temperature 27℃ DB /19℃ WB, water inlet outlet 30/35℃.
   Heating: indoor temperature 20℃ DB /15℃ WB, water inlet 20℃.
2. The sound pressure is based on the following conditions.
   1 meter from the unit service cover surface, and 1.5 meters from floor level.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. When unit is operating out of the allowable water temperature range, it won't strat normally and will alarm.
4. For Max. pipe length more than 300m, please contact with our professional engineer.

Hi-FLEXi W Series

HP			52HP	54HP	56HP	58HP	60HP
Model	Model		AVWW-494FKFW	AVWW-516FKFW	AVWW-534FKFW	AVWW-550FKFW	AVWW-570FKFW
	Modules		AVWW-114FKFW AVWW-190FKFW AVWW-190FKFW	AVWW-136FKFW AVWW-190FKFW AVWW-190FKFW	AVWW-154FKFW AVWW-190FKFW AVWW-190FKFW	AVWW-170FKFW AVWW-190FKFW AVWW-190FKFW	AVWW-190FKFW AVWW-190FKFW AVWW-190FKFW
	Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	145.5	152.0	157.0	162.0	168.0
		kBtu/h	496.4	518.6	535.7	552.7	573.2
	Power Input	kW	28.3	29.8	30.1	31.4	32.9
	EER	kW/kW	5.14	5.10	5.22	5.16	5.10
Heating	Capacity	kW	163.5	171.0	176.0	182.0	189.0
		kBtu/h	557.9	583.5	600.5	621.0	644.9
	Power Input	kW	28.2	29.8	30.1	31.3	32.6
	COP	kW/kW	5.80	5.75	5.86	5.81	5.80
Sound	Sound Pressure Level Cooling/Heating	dB(A)	58/60	60/62	58/60	58/60	58/60
Water-side Heat Exchanger	Water Temperature	℃	10~45	10~45	10~45	10~45	10~45
	Rated Water Flow Rate	L/min	501.7	525.0	540.0	553.3	580.0
	Water Pressure Drop	kPa	/	/	/	/	/
	Maximum Pressure Resistance	kgf/cm²	20	20	20	20	20
Weight	Net Weight	kg	663	663	737	738	738
	Gross Weight	kg	677	677	752	753	753
Dimensions	External (H×W×D)	mm	1030× (820+1040+1040) ×560	1030× (820+1040+1040) ×560	1030× (1040+1040+1040) ×560	1030× (1040+1040+1040) ×560	1030× (1040+1040+1040) ×560
	Packing(H×W×D)	mm	1180× (900+1112+1112) ×632	1180× (900+1112+1112) ×632	1180× (1112+1112+1112) ×632	1180× (1112+1112+1112) ×632	1180× (1112+1112+1112) ×632
Ref. Piping	Liquid Pipe	mm	Φ19.05	Φ19.05	Φ22.20	Φ22.20	Φ22.20
		inch	3/4	3/4	7/8	7/8	7/8
	Low Pressure Gas Pipe	mm	Φ38.10	Φ38.10	Φ38.10	Φ38.10	Φ38.10
		inch	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	High/Low Pressure Gas Pipe	mm	Φ31.75	Φ31.75	Φ38.10	Φ38.10	Φ38.10
		inch	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2
Water Connecting Pipes	Water Pipe		DN32	DN32	DN32	DN32	DN32
	Thread of Connector		G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B	G1-1/4B
	Drain Pipe	mm	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18	Outer Diameter 18
MAX. Connectable Indoor Units	Recommended		40	40	40	40	40
	Max.		64	64	64	64	64

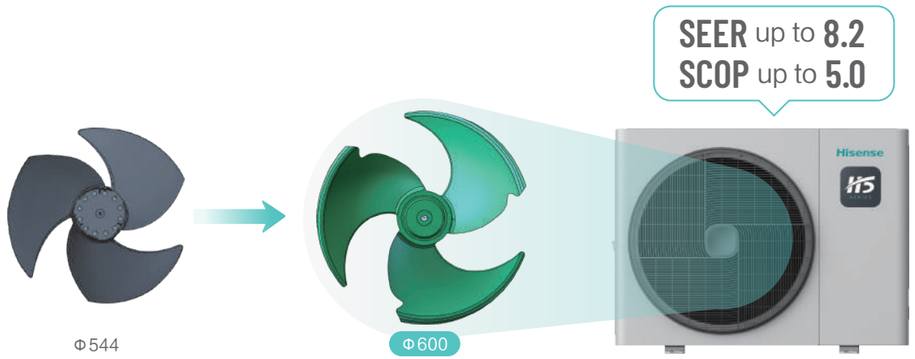
Notes:
1. Operation condition:
   Cooling: indoor temperature 27℃ DB /19℃ WB, water inlet outlet 30/35℃.
   Heating: indoor temperature 20℃ DB /15℃ WB, water inlet 20℃.
2. The sound pressure is based on the following conditions.
   1 meter from the unit service cover surface, and 1.5 meters from floor level.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. When unit is operating out of the allowable water temperature range, it won't strat normally and will alarm.
4. For Max. pipe length more than 300m, please contact with our professional engineer.

Hi-Smart H5 Series

High Efficiency

The H5 unit boasts cutting-edge design, utilizing 19.56mm fins to maximize heat exchange area, and an optimized fan with increased diameter. This results in significantly enhanced energy efficiency, with a maximum SEER of 8.2 and SCOP of 5.0.

Advanced corrugated fin



Eco-friendly R32 Refrigerant

R32 refrigerant contributes to meeting the F-gas regulation targets as described in EU regulation 517/2014. Hisense HVAC introduces the Lower GWP refrigerant R32 on its VRF products, which is a perfect solution for attaining the CO_2 emission targets.

Features

- Zero Ozone Depletion Potential (ODP)
- Lower Global Warming Potential (GWP)
- Less charge amount under the same capacity
- Single component refrigerant, easy to handle and recycle

Compact Body & Low Weight

The Hi-Smart H5 unit features the latest exterior design from Hisense, showcasing a sleek and stylish appearance. Its compact body allows for flexible installation in confined spaces, while also reducing costs for product transportation and installation.

The height of the outdoor unit is only 840mm, which is very convenient to be concealed on the roof, does not affect the appearance of the overall building, and will not break the harmony of the city street.

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Mutiple Measures Ensuring Room Safety

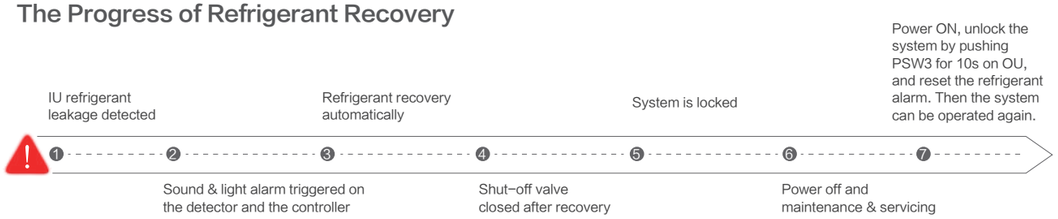
Refrigerant Leak Detection

Real-time refrigerant leak detection is essential for R32 refrigerant system. If the refrigerant concentration exceeds 5000ppm, the indoor unit will stop operation, and trigger a buzzer and warning flasher. Moreover, if any third-party alarm system or ventilation system, the system can also be linkaged.

Refrigerant Recovery

In the event of a refrigerant leak, our system triggers alarms, shuts down, and initiates refrigerant recovery immediately. Moreover, once there is a sudden power outage, the shut-off box can automatically close valves to prevent leaks.

The Progress of Refrigerant Recovery



Shut-off Box

- Capacity: 10HP
- Max. 17 IUs for 1 port
- Be closed automatically when power off
- 6000pls/13.0mm valve for gas pipe and 3000pls/6.1mm valve for liquid pipe

Refrigerant Detector

- Sleek and modern exterior
- Wall mounted installation
- Infrared NDIR detection
- Powered by 12±10% VDC from IU or reserved dedicated power supply port
- Alarm value 5000ppm
- Dry contact reserved
- Design life ⩾10 years

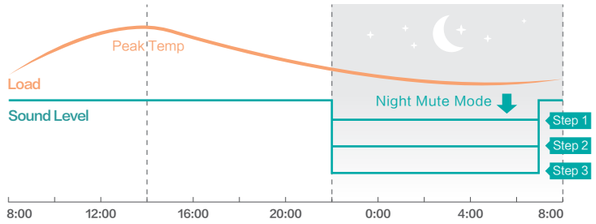
Accessories	Shut-off Box	Refrigerant Detector
Model	HESE-2V15	HOPT-ERD01

Outdoor Unit Noise Control

Auto Night Quiet Mode

In gerneal, people are more sensitive to noise at night. Night quiet mode can be activated when necessary, and the noise can be reduced by up to 10dB(A).

Step 1: 5dB(A) decreased; Step 2: 7dB(A) decreased;
Step 3: 10dB(A) decreased.



Low Noise Mode

Users can flexibly set the low noise mode at any time. There are three levels for choice, which can be set on the controllers or the PCB.

Wide Operation Range

Extended operation range creates wider application potential. Hisense VRF can operate in a wide ambient temperature range: from −10℃ to 52℃ in cooling mode, and from −25℃ to 26℃ in heating mode.

Hi-Smart H5 Series

	HP		4HP	5HP	6HP
Model	AC 1Φ, 220~240V/50/60Hz		AVW-41HJDH2H1	AVW-48HJDH2H1	AVW-54HJDH2H1
	AC 3Φ, 380~415V/50/60Hz		AVW-41HKDH2H1	AVW-48HKDH2H1	AVW-54HKDH2H1
Cooling	Capacity	kW	12.1	14.0	15.5
		kBtu/h	41.5	48.0	53.0
	Power Input	kW	3.30	4.24	4.70
	EER	kW/kW	3.67	3.30	3.30
	SEER	kW/kW	8.20	7.90	7.90
Heating	Capacity	kW	14.2	16.0	18.0
		kBtu/h	48.0	54.5	61.5
	Power Input	kW	3.60	4.10	4.80
	COP	kW/kW	3.94	3.90	3.75
	SCOP	kW/kW	5.00	4.65	4.60
Air Flow Rate		m^3/min	80	80	80
Sound Pressure Level(Cooling/Heating)		dB(A)	52/52	53/53	54/54
Refrigerant	Type	–	R32		
	Pre-charged Quantity	kg	2	2	2
Weight	Net Weight(Single-phase/Three-phase)	kg	94/95	94/95	94/95
	Gross Weight(Single-phase/Three-phase)	kg	109/110	109/110	109/110
Dimensions	Net (H×W×D)	mm	840×1100×390	840×1100×390	840×1100×390
	Packing(H×W×D)	mm	1000×1185×530	1000×1185×530	1000×1185×530
Cabinet Color		–	Grayish White	Grayish White	Grayish White
Ref. Piping	Gas	mm	15.88	15.88	15.88
		inch	5/8	5/8	5/8
	Liquid	mm	9.53	9.53	9.53
		inch	3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs	10	12	13
	Connection Ratio	–	50%~150%	50%~150%	50%~150%
Piping Design	Max. Piping Length	m	80	80	80
	Height Difference Between ODU and IDU	m (OD higher)	50	50	50
		m (OD lower)	40	40	40
	Height Difference Between IDUs	m	15	15	15
Operation Range	Cooling	DB ℃	−10~52		
	Heating	WB/DB ℃	−25.5~15.5/−25~26		

Note:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference: 0m.
2. During cooling (48-52℃) or heating (23-26℃) operations, the unit may operate intermittently.

Hi-Smart E+ L+ C+ Series

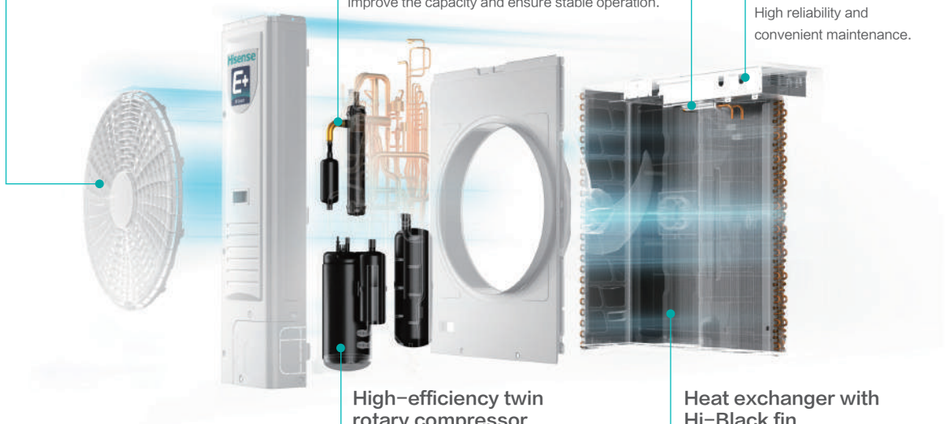
High Performance Beyond Expectations

New air flow grille
Air supply distance is increased by 24% together with the 30Pa ESP.

New refrigerant cooling design
Reduce the risk of overheating of IPM, guaranteeing the stable and safe running of the control system.

High-efficiency oil separator
Improve the capacity and ensure stable operation.

Enclosed electrical box on the top
High reliability and convenient maintenance.



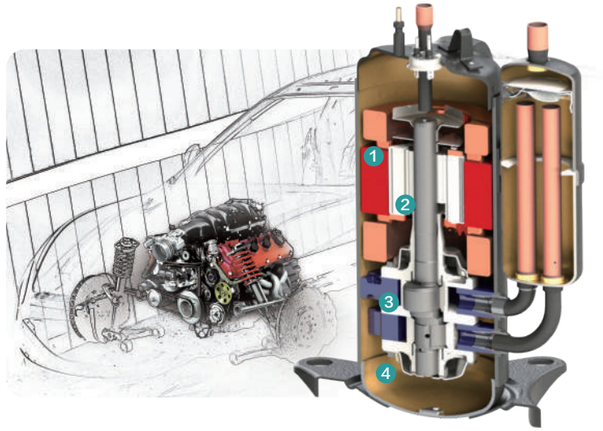
High-efficiency twin rotary compressor
High efficiency, low noise and high reliability.

Heat exchanger with Hi-Black fin
High anti-corrosion capability.

Take Hi-Smart E+ Series as an example.

High-efficiency DC Inverter Compressor

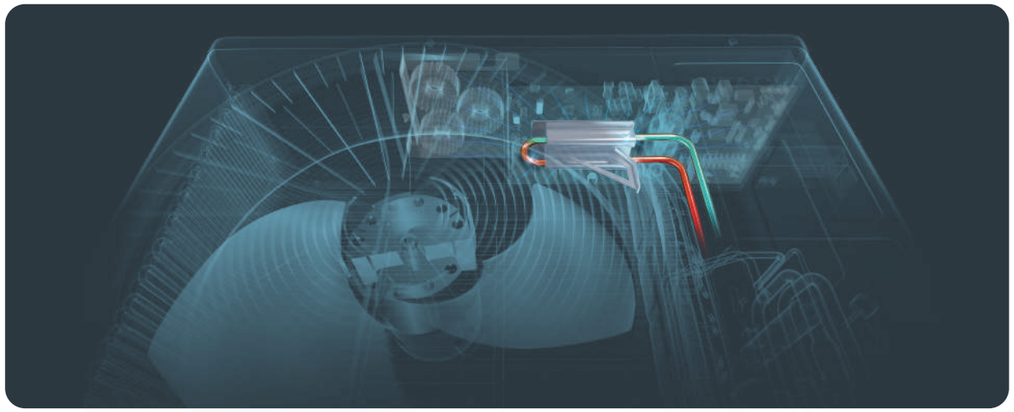
A high-efficiency DC inverter dual rotary compressor is adopted. It features unique dual-pressure chamber design and symmetrical location, which can effectively reduce the vibration and noise and improve the compressor performance, especially the performance under low-frequency operation.
Moreover, the dual rotary compressor has a small lubricating oil injection volume with stable oil return, and comes with a gas-liquid separator, which makes the system more reliable.



1. **High-efficiency motor**
   Optimize the motor design to improve compressor performance.
2. **Optimized rotor design**
   Lower the center of gravity of the compressor to reduce the noise and vibration.
3. **Flat mechanism design**
   Improve the volumetric efficiency and the total performance.
4. **Screw interactive fastening**
   Improve fastening effect and reduce deformation of the core.

Patented 360° Fitted Refrigerant Cooling Technology

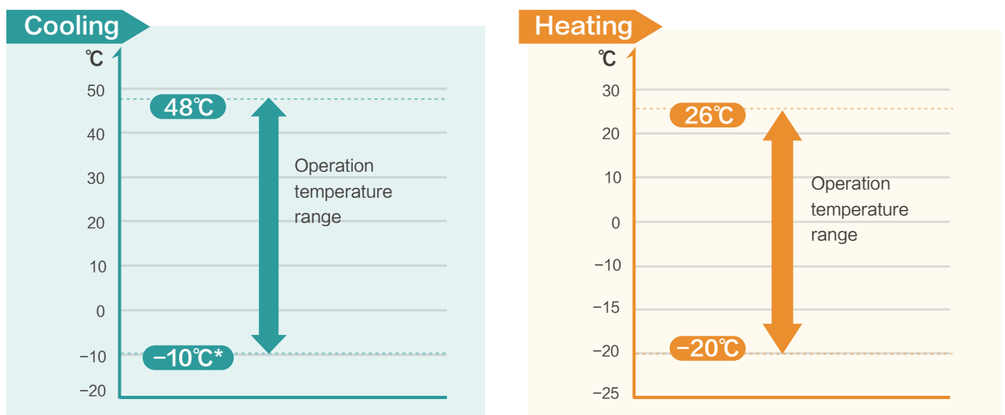
To maintain the lifespan of the delicate electronic components, the unit uses patented 360° fitted refrigerant cooling technology to cool the whole electronic box effectively. It can overcome poor heat dissipation and solve high ambient temperature issues inside the electronic box, maintaining an efficient and reliable operation under harsh environment.



Note：1.Compared with air-cooled technology, the temperature in electric box can be reduced about by 10%.
2.There is no refrigerant cooling kit inside the Hi-Smart L+ series(single phase unit).

Wide Operating Range

Extended operation range creates wider application potential, in cooling mode the operation range is from −10℃* to 48℃ and in heating mode the operation range is from −20℃ to 26℃，which adapts to many extreme conditions.



* In cooling mode, the operation is under interval operation when the temperature is below −5℃.

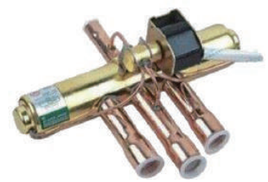
Hi-Black Fin (Standard)

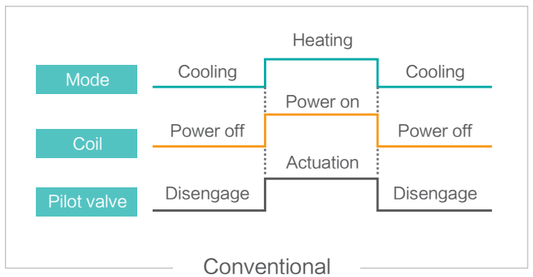
All the heat exchangers adopt Hi-Black fin, which has excellent anti-corrosive performance. Hi-Black fins are coated with epoxy resin using film-forming techniques while the traditional resins are acrylic resins. The epoxy resin is 1.5 times thicker than acrylic resin, and its acid-resistant, alkali-resistant and salt-fog resistant properties is 3 times better than acrylic resin.

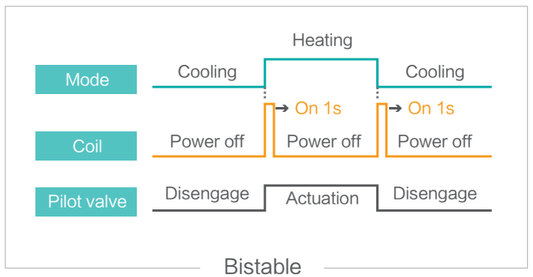
Note: For the anti-corrosive solution for the whole outdoor unit, please contact with our local engineers.

Bistable Four-way Valve

The bistable four-way valve is adopted in the outdoor unit, which only consumes power when reversing. During the normal operation (regardless of cooling or heating), it is no need to be energized. Compared with conventional four-way valve, it is more energy-saving. Moreover, the reliability of valve coil is greatly improved.



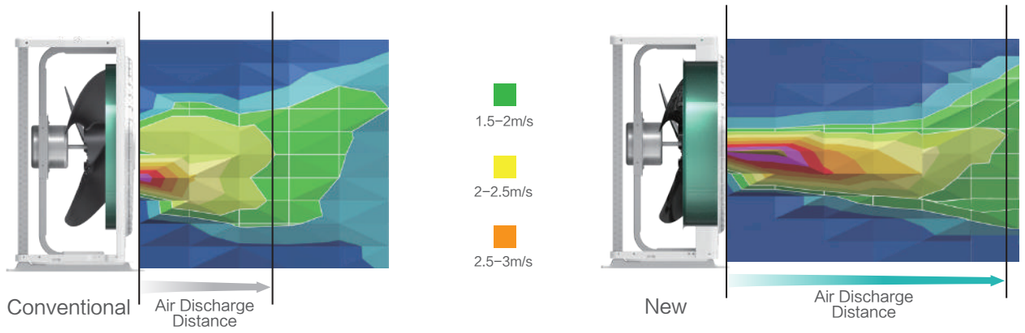




Further Air Discharge Distance

Optimized Air Duct System Design

An additional air duct like channel surrounding the fan is designed to further discharge the air and avoid discharge air from being absorbed again. Besides, together with the 30Pa external static pressure, air is tested to discharge up to 24% further compared with the conventional one.



Hi-Smart E+ Series

Capacity (HP)			4.0	5.0	6.0
	Model		AVW-41HJFHH1	AVW-48HJFHH1	AVW-54HJFHH1
	Power Supply		AC 1Φ, 220-240V/50/60Hz		
Cooling	Capacity	kW	12.1	14.0	15.5
		Btu/h	41500	48000	53000
	Power Input	kW	3.73	4.33	5.64
	EER	W/W	3.24	3.23	2.75
	SEER	—	7.72	7.66	7.17
Heating	Capacity	kW	14.0	16.0	18.0
		Btu/h	48000	54500	61500
	Power Input	kW	2.99	3.73	4.63
	COP	W/W	4.05	3.75	3.35
	SCOP	—	4.41	4.36	4.26
Ventilation	Air Flow Rate	m³/min	71	71	71
Sound Pressure Level	Cooling/Heating	dB(A)	53/54	54/55	54/55
Weight	Net	kg	88	89	90
	Gross	kg	103	104	105
Outer Dimensions	Height	mm	990	990	990
	Width	mm	950	950	950
	Depth	mm	320	320	320
Packing Dimensions	Height	mm	1126	1126	1126
	Width	mm	1070	1070	1070
	Depth	mm	470	470	470
Cabinet Color		—	Grayish White		
Ref. Piping	Gas	mm	Φ15.88	Φ15.88	Φ15.88
		in.	5/8	5/8	5/8
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53
		in.	3/8	3/8	3/8
Refrigerant	Type	—	R410A		
	Before Shipment	kg	4.0	4.0	4.0
Connectable Indoor Units	Max. Qty.	pc	8	9	10
	Connection Ratio	%	50-150	50-150	50-150
Piping Design	Max. Piping Length	m	70	70	70
	Total Piping Length	m	135	135	135
	Height Difference Between ODU and IDU	m	40	40	40
		m	30	30	30
	Height Difference Between IDUs	m	15	15	15
Operation Range	Cooling	DB(℃)	(-10*) -5 ~ 48		
	Heating	DB/WB(℃)	-20/-20.5 ~ 26/15.5		

NOTES:
1. The rated cooling and heating capacity are tested in the following conditions:
   Cooling Operation Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe lift: 0m
   Heating Operation Conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe lift: 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
Measurement point: 1m from the service cover surface and 1.5m from floor level.
3. *1 When the temperature is between -10℃ and -5℃, the cooling operation is under interval operation.

Hi-Smart L+ Series

Capacity (HP)			4.0	5.0	6.0	4.0	5.0	6.0
	Model		AVW-41HJFHH2	AVW-48HJFHH2	AVW-54HJFHH2	AVW-41HKFHH2	AVW-48HKFHH2	AVW-54HKFHH2
	Power Supply		AC 1Φ, 220-240V/50/60Hz			AC 3Φ, 380-415V/50/60Hz		
Cooling	Capacity	kW	12.1	14.0	15.5	12.1	14.0	15.5
		Btu/h	41500	48000	53000	41500	48000	53000
	Power Input	kW	2.79	3.43	4.18	2.79	3.43	4.18
	EER	W/W	4.33	4.08	3.71	4.33	4.08	3.71
	SEER	—	8.20	8.10	8.00	8.20	8.10	8.00
Heating	Capacity	kW	14.0	16.0	18.0	14.0	16.0	18.0
		Btu/h	48000	54500	61500	48000	54500	61500
	Power Input	kW	3.08	3.71	4.47	3.08	3.71	4.47
	COP	W/W	4.55	4.31	4.03	4.55	4.31	4.03
	SCOP	—	4.85	4.70	4.55	4.85	4.70	4.55
Ventilation	Air Flow Rate	m³/min	90	90	100	120	120	127
Sound Pressure Level	Cooling/Heating	dB(A)	52/55	52/55	53/56	52/55	52/55	53/56
Weight	Net	kg	106	107	108	112	113	114
	Gross	kg	118	119	120	123	124	125
Outer Dimensions	Height	mm	1380	1380	1380	1380	1380	1380
	Width	mm	950	950	950	950	950	950
	Depth	mm	370	370	370	370	370	370
Packing Dimensions	Height	mm	1531	1531	1531	1531	1531	1531
	Width	mm	1070	1070	1070	1070	1070	1070
	Depth	mm	515	515	515	515	515	515
Cabinet Color		—	Grayish White					
Ref. Piping	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
		in.	5/8	5/8	5/8	5/8	5/8	5/8
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		in.	3/8	3/8	3/8	3/8	3/8	3/8
Refrigerant	Type	—	R410A					
	Before Shipment	kg	3.8	3.8	4.1	3.8	3.8	4.1
Connectable Indoor Units	Max. Qty.	pc	9	11	12	9	11	12
	Connection Ratio	%	50-150	50-150	50-150	50-150	50-150	50-150
Piping Design	Max. Piping Length	m	100	100	100	100	100	100
	Total Piping Length	m	150	150	150	150	150	150
	Height Difference Between ODU and IDU	m	50	50	50	50	50	50
		m	40	40	40	40	40	40
	Height Difference Between IDUs	m	15	15	15	15	15	15
Operation Range	Cooling	DB(℃)	(-10*) -5 ~ 48					
	Heating	DB/WB(℃)	-20/-20.5 ~ 26/15.5					

NOTES:
1. The rated cooling and heating capacity are tested in the following conditions:
   Cooling Operation Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe lift: 0m
   Heating Operation Conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe lift: 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
Measurement point: 1m from the service cover surface and 1.5m from floor level.
3. *1 When the temperature is between -10℃ and -5℃, the cooling operation is under interval operation.

Hi-Smart C+ Series

Capacity (HP)			8.0	10.0	12.0
	Model		AVW-76HKFHH2	AVW-96HKFHH2	AVW-114HKFHH2
	Power Supply		AC 3Φ, 380-415V/50/60Hz		
Cooling	Capacity	kW	22.4	28.0	33.5
		Btu/h	76400	95500	114300
	Power Input	kW	6.22	8.12	13.40
	EER	W/W	3.60	3.45	2.50
	SEER	—	7.00	7.80	7.55
Heating	Capacity	kW	25.0	31.5	37.5
		Btu/h	85300	107500	128000
	Power Input	kW	5.81	7.59	10.08
	COP	W/W	4.30	4.15	3.72
	SCOP	—	4.50	4.50	4.30
Ventilation	Air Flow Rate	m³/min	150	163	163
Sound Pressure Level	Cooling/Heating	dB(A)	55/58	56/59	56/59
Weight	Net	kg	145	157	158
	Gross	kg	161	174	175
Outer Dimensions	Height	mm	1650	1650	1650
	Width	mm	1100	1100	1100
	Depth	mm	390	390	390
Packing Dimensions	Height	mm	1806	1806	1806
	Width	mm	1185	1185	1185
	Depth	mm	530	530	530
Cabinet Color		—	Grayish White		
Ref. Piping	Gas	mm	Φ22.2	Φ25.4	Φ25.4
		in.	7/8	1/1	1/1
	Liquid	mm	Φ12.7	Φ12.7	Φ12.7
		in.	1/2	1/2	1/2
Refrigerant	Type	—	R410A		
	Before Shipment	kg	5.5	6.5	6.5
Connectable Indoor Units	Max. Qty.	pc	15	18	19
	Connection Ratio	%	50-150	50-150	50-150
Piping Design	Max. Piping Length	m	150	150	150
	Total Piping Length	m	300	300	300
	Height Difference Between ODU and IDU	m	50	50	50
		m	40	40	40
	Height Difference Between IDUs	m	15	15	15
Operation Range	Cooling	DB(℃)	(-10*) -5 ~ 48		
	Heating	DB/WB(℃)	-20/-20.5 ~ 26/15.5		

NOTES:
1. The rated cooling and heating capacity are tested in the following conditions:
   Cooling Operation Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe lift: 0m
   Heating Operation Conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe lift: 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
Measurement point: 1m from the service cover surface and 1.5m from floor level.
3. *1 When the temperature is between -10℃ and -5℃, the cooling operation is under interval operation.

Hi-Smart H Series

Compact Size and Light Weight

Mini VRF H series outdoor units are compact in size for more convinient and flexible space design and installment hides in corners of balconies and yards or even on rooftops when necessary. With smaller and slimmer body frame meaning a lot of unnecessary weights are taken off which makes installment or positioning simpler.

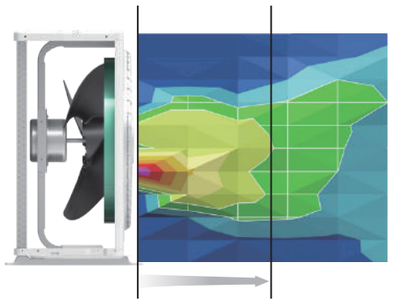
Aviation Level Design of Grilling

Hisense H series creates a high-quality quiet environment. The design of the grilling follows the design concept of the aircraft engine design, which conforms to the aerodynamics principle. The noise has been greatly reduced. The grilling also increases safety as being a preventative for child figure being injured by the fan blade.

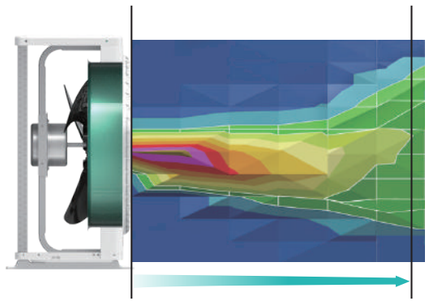
New Designed Air Channel

An additional air duct like channel surrounding the fan is designed to further discharge the air and avoid discharge air from being absorbed again. Air is tested to discharge up to 24% further compared with the conventional one. Besides, 30Pa external static pressure is available for units capacity ranged from 8HP to 12HP.

24%
Further Air Discharge



Air Discharge Distance

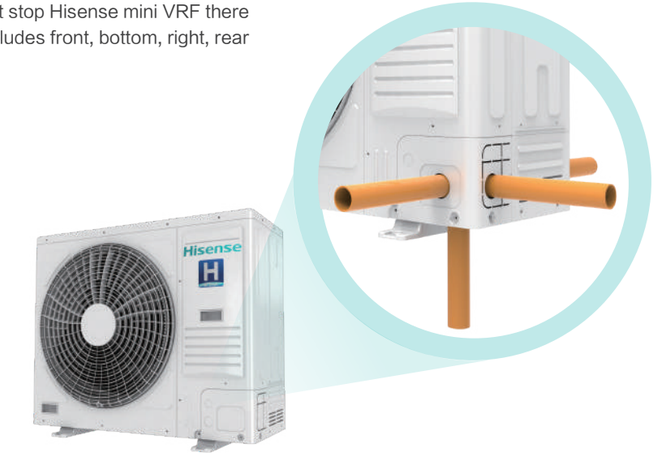


Air Discharge Distance

1.5-2m/s 2-2.5m/s 2.5-3m/s

Flexible Piping Connection

Installation restrictions on site does not stop Hisense mini VRF there with flexible piping directions which includes front, bottom, right, rear connections.



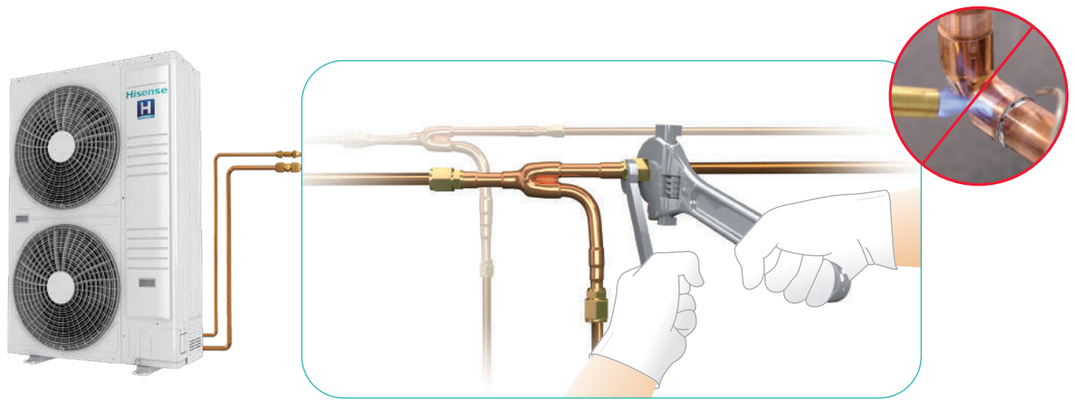
New Refrigerant Pipe Connection with Flare-nut Branch Pipe

Hisense VRF has newly developed the Flare-nut Branch Pipes, breaking through the common way of connecting refrigerant copper pipes by replacing welding processes with simple and safe flare nuts connections.

- Convenient and simple installation
- Saving installation time and cost
- Enhanced safety with no fire-involving process
- Preventing leakages due to poor welding
- No hot work permit application is required

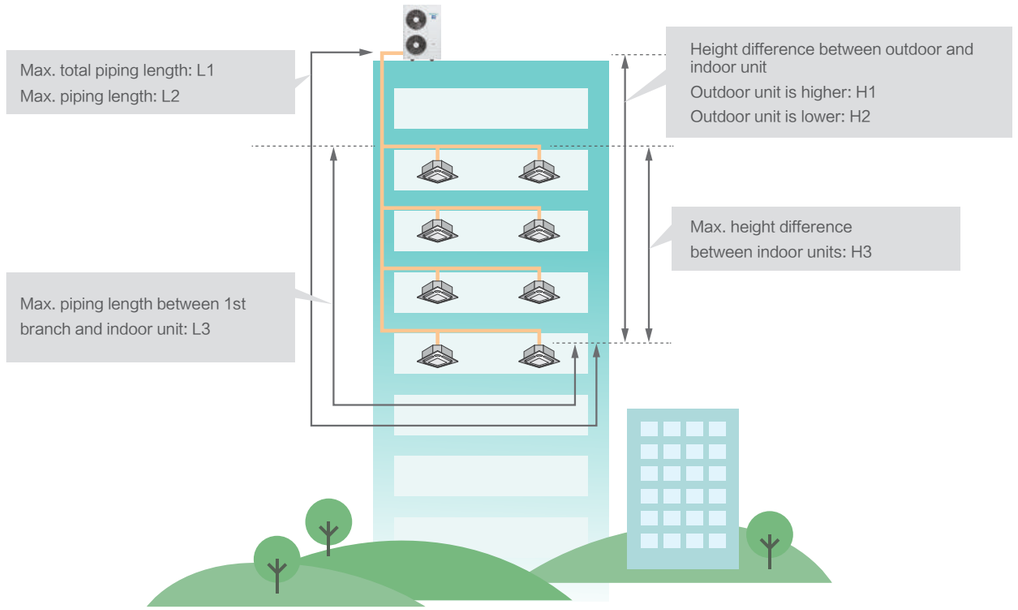
Model: HFQ-052F#EN

Branch Pipe Double Nuts Connector



Excellent Piping Length

Increased piping length allows for flexible design and installation. Hisense inverter technology and two-level cooling technology allows longer piping length and outstanding height differences. The air-conditioning system can be implemented more flexibly.



Power supply		AC 1Φ, 220-240V/ 50/60Hz			AC 1Φ, 220-240V/ 50/60Hz	AC 3Φ, 380-415V/ 50/60Hz	AC 3Φ, 380-415V/ 50/60Hz
HP		3HP	4HP	5HP	4/5/6HP	8HP	10/12HP
Picture							
Max. total piping length L1		30	40	60	120	150	250
Max. piping length L2		25	25	50	75	100	100
Max. length between the first branch pipe and the farthest indoor unit L3		10	15	20	30	30	40
Height difference between ODU and IDU	Outdoor unit is higher H1	20	20	20	30	50	50
	Outdoor unit is lower H2	20	20	20	30	40	40
Height difference between IDUs H3		3.5	3.5	3.5	10	15	15

Hi-Smart H Series

HP			3HP	4HP	5HP
	Model		AVW-28HJFH	AVW-34HJFH	AVW-43HJFH
	Power Supply		AC 1Φ, 220V-240V/50/60Hz		
Cooling	Capacity	kW	8.0	10.0	12.5
		kBtu/h	27.3	34.1	42.7
	Power Input	kW	1.93	2.43	2.98
	EER	kW/kW	4.15	4.27	4.19
Heating	Capacity	kW	9.5	11.2	14.0
		kBtu/h	32.4	38.2	47.8
	Power Input	kW	2.37	3.01	4.15
	COP	kW/kW	4.01	3.72	3.37
Ventilation	Air Flow Rate	m^3/min	46.5	69.0	78.0
Sound	Sound Pressure Level (Cooling/Heating)	dB(A)	50/52	53/55	54/57
Compressor	Type	-	Twin Rotary		
Refrigerant	Type	-	R410A	R410A	R410A
	Pre-charged Quantity	kg	2.5	2.8	2.8
Weight	Net Weight	kg	65	73	78
	Gross Weight	kg	72	81	86
Dimensions	External(HxWxD)	mm	800x950x370	800x950x370	800x950x370
	Packing(HxWxD)	mm	951x1070x515	951x1070x515	951x1070x515
Cabinet Color			Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ15.88	Φ15.88	Φ15.88
		inch	5/8	5/8	5/8
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53
		inch	3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs	5	6	8
	Total Capacity	-	50%-125%	50%-125%	50%-125%
Piping Design	Height Difference Between ODU and IDU	m	20	20	20
		m	20	20	20
	Height Difference Between IDUs	m	3.5	3.5	3.5
	Max. Piping Length	m	25	25	50
Operation Range	Cooling	DB	-5℃~46℃	-5℃~46℃	-5℃~46℃
	Heating	WB	-15℃~15.5℃	-15℃~15.5℃	-15℃~15.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference: 0m.
2. The sounf pressure level is based on following conditions:
   1.5m beneath the unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Hi-Smart H Series

HP			4HP	5HP	6HP
	Model		AVW-38HJFH	AVW-48HJFH	AVW-54HJFH
	Power Supply		AC 1Φ, 220V-240V/50/60Hz		
Cooling	Capacity	kW	11.2	14.0	15.5
		kBtu/h	38.2	47.8	52.9
	Power Input	kW	2.60	3.46	4.21
	EER	kW/kW	4.31	4.05	3.68
Heating	Capacity	kW	12.5	16.0	18.0
		kBtu/h	42.7	54.6	61.4
	Power Input	kW	2.78	3.71	4.47
	COP	kW/kW	4.50	4.31	4.03
Ventilation	Air Flow Rate	m³/min	90.0	90.0	100.0
Sound	Sound Pressure Level (Cooling/Heating)	dB(A)	50/52	52/54	53/55
Compressor	Type	–	Twin Rotary		
Refrigerant	Type	–	R410A	R410A	R410A
	Pre-charged Quantity	kg	3.8	3.8	4.1
Weight	Net Weight	kg	93	95	97
	Gross Weight	kg	111	111	111
Dimensions	External(HxWxD)	mm	1380x950x370	1380x950x370	1380x950x370
	Packing(HxWxD)	mm	1531x1070x515	1531x1070x515	1531x1070x515
Cabinet Color			Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ15.88	Φ15.88	Φ15.88
		inch	5/8	5/8	5/8
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53
		inch	3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs	9	11	11
	Total Capacity	–	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m	30	30	30
		m	30	30	30
	Height Difference Between IDUs	m	10	10	10
	Max. Piping Length	m	75	75	75
Operation Range	Cooling	DB	-5℃~46℃	-5℃~46℃	-5℃~46℃
	Heating	WB	-20℃~15.5℃	-20℃~15.5℃	-20℃~15.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference: 0m.
2. The sounf pressure level is based on following conditions:
   1.5m beneath the unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Hi-Smart H Series

HP			8HP	10HP	12HP
	Model		AVW-76HKFH1	AVW-96HKFH1	AVW-114HKFH1
	Power Supply		AC 3Φ, 380V-415V/50/60Hz		
Cooling	Capacity	kW	22.4	28.0	33.5
		kBtu/h	76.5	95.6	114.3
	Power Input	kW	6.37	7.75	10.30
	SEER	kW/kW	6.62	6.85	6.29
	EER	kW/kW	3.52	3.61	3.25
Heating	Capacity	kW	25.0	31.5	37.5
		kBtu/h	85.3	107.5	128
	Power Input	kW	5.84	7.00	10.00
	SCOP	kW/kW	4.10	4.21	3.98
	COP	kW/kW	4.28	4.50	3.75
Ventilation	Air Flow Rate	m³/min	127.0	150.0	163.0
Sound	Sound Pressure Level (Cooling/Heating)	dB(A)	57/58	58/59	59/60
Compressor	Type	–	Twin Rotary		
Refrigerant	Type	–	R410A	R410A	R410A
	Pre-charged Quantity	kg	5.63	5.50	6.50
Weight	Net Weight	kg	124	145	158
	Gross Weight	kg	139	161	175
Dimensions	External (HxWxD)	mm	1380x950x370	1650x1100x390	1650x1100x390
	Packing(HxWxD)	mm	1531x1070x515	1806x1185x530	1806x1185x530
Cabinet Color			Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ19.05	Φ22.2	Φ25.4
		inch	3/4	7/8	1
	Liquid	mm	Φ9.53	Φ12.7	Φ12.7
		inch	3/8	1/2	1/2
Connectable Indoor Units	Quantity	pcs	15	17	19
	Total Capacity	–	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m	50	50	50
		m	40	40	40
	Height Difference Between IDUs	m	15	15	15
	Max. Piping Length	m	100	100	100
	Total Piping Length	m	150	250	250
Operation Range	Cooling	DB	-5℃~50℃	-5℃~50℃	-5℃~50℃
	Heating	WB	-20℃~15.5℃	-20℃~15.5℃	-20℃~15.5℃

Notes:
1. Rated cooling capacity and rated heating capacity are 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.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference: 0m.
2. The sounf pressure level is based on following conditions:
   1.5m beneath the unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Hisense VRF

INDOOR UNIT

4-Way Cassette Type / Mini 4-Way Cassette Type

1-Way Cassette Type

2-Way Cassette Type

Console Type

Ceiling Ducted Type (AC/DC Low-height)

Ceiling Ducted Type(DC High Static Pressure)

Ceiling Ducted Type (High/Low Static Pressure)

Wall Mounted Type

Ceiling & Floor Type

Floor Concealed Type

All Fresh Air Indoor Unit

Heat Recovery Ventilator

AHU Connection KIT

AIR CONDITIONING SOLUTION

Indoor Unit Line-up

HP		0.6	0.8	1.0	1.3	1.5	1.6	1.8	1.9	2.0	2.3	2.5	3.0	3.3	4.0	5.0	6.0	8.0	10.0
kBtu/h		5	7	9	12	14	15	17	18	19	22	24	27	30	38	48	54	76	96
R32 | R410A 4-Way Cassette Type*	New			●	●		●			●	●	●	●	●	●	●	●		
R32 | R410A Mini 4-Way Cassette Type*	New	●	●	●	●		●	●		●									
1-Way Cassette Type			●	●	●	●			●			●							
2-Way Cassette Type			●	●	●	●			●			●	●	●	●	●	●		
Console Type		●	●	●	●		●	●											
Ceiling Ducted Type (AC Low-height)		●	●	●	●		●	●		●	●	●							
R32 | R410A Ceiling Ducted Type* (DC Low-height)	New	●	●	●	●		●			●		●							
Ceiling Ducted Type (DC High Static Pressure)			●	●	●		●			●		●		●	●	●	●	●	●
Ceiling Ducted Type (High Static Pressure)			●	●	●		●			●	●	●	●	●	●	●	●	●	●
Ceiling Ducted Type (Low Static Pressure)			●	●	●		●			●	●	●	●	●	●	●	●	●	●
R32 | R410A Wall Mounted Type*	New	●	●	●	●		●					●	●						
Ceiling & Floor Type								●	●		●	●	●	●	●	●			
Floor Concealed Type				●		●			●			●							

Note: 1. For more details, check each unit's respective pages. 2. * Be compatible with both R32 and R410a.

Indoor Unit Feature Overview

Type	Accessories									
	Drain Pump (built-in)	Drain Pump (external)	3D Airflow Panel	Filter	Humidity Sensor	AirPure Kit	Motion Sensor	Hi-Motion	Outlet Air Temp Sensor	Float Switch
4-Way Cassette Type	●	×	×	●	○	○	○	○	●	●
Mini 4-Way Cassette Type	●	×	×	●	○	○	○	○	×	●
1-Way Cassette Type	●	×	×	●	×	×	×	○	●	●
2-Way Cassette Type	●	×	×	●	×	×	×	○	●	●
Console Type	×	○	×	●	○	○	×	○	×	×
Ceiling Ducted Type (AC Low-height)	●	×	○	●	○	○	×	○	×	●
Ceiling Ducted Type (DC Low-height)	●	×	×	●	○	○	×	○	×	●
Ceiling Ducted Type (DC High Static Pressure) AVD-07~AVD-54	○	○	×	●	○	○	×	○	●	●
Ceiling Ducted Type (DC High Static Pressure) AVD-76 & AVD-96	○	○	×	○	○	○	×	○	●	●
Ceiling Ducted Type (High Static Pressure) AVD-07~AVD-54	○	○	×	●	○	○	×	○	×	●
Ceiling Ducted Type (High Static Pressure) AVD-76 & AVD-96	×	○	×	○	×	×	×	○	●	●
Ceiling Ducted Type (Low Static Pressure) AVD-07~AVD-54	○	○	×	●	○	○	×	○	×	●
Ceiling Ducted Type (Low Static Pressure) AVD-76 & AVD-96	×	○	×	○	×	×	×	○	●	●
Wall Mounted Type	×	○	×	●	○	×	×	○	●	×
Ceiling & Floor Type	×	○	×	●	×	×	×	○	●	×
Floor Concealed Type	×	○	×	×	×	×	×	○	●	×

Remarks: Standard: ● Optional: ○ Incompatible: ×

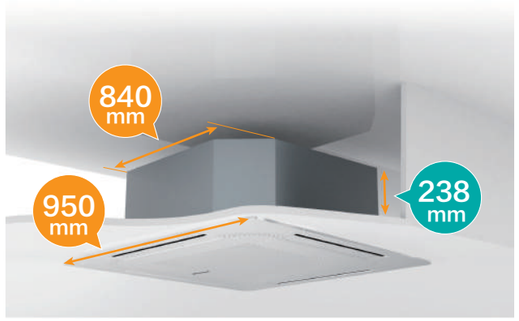
Type	Features										
	Dry Contact Input	Windows Linkage	Dry Contact Output	Fresh Air Intake	Sleep	Quiet	ECO	Individual Louver Control	Breeze Mode	Self Cleaning	Auto Fan Speed
4-Way Cassette Type	●	×	●	●	●	●	●	●	●	×	×
Mini 4-Way Cassette Type	●	×	●	●	●	●	●	●	●	×	×
1-Way Cassette Type	●	×	●	●	●	●	●	×	×	×	●
2-Way Cassette Type	●	×	●	●	●	×	×	●	×	×	●
Console Type	●	×	●	●	●	●	●	×	×	×	×
Ceiling Ducted Type (AC Low-height)	●	●	●	●	●	●	●	×	×	×	×
Ceiling Ducted Type (DC Low-height)	●	●	●	●	●	●	●	×	×	×	×
Ceiling Ducted Type (DC High Static Pressure) AVD-07~AVD-54	●	●	●	●	●	●	●	×	×	●	●
Ceiling Ducted Type (DC High Static Pressure) AVD-76 & AVD-96	●	●	●	×	●	●	●	×	×	×	●
Ceiling Ducted Type (High Static Pressure) AVD-07~AVD-54	●	●	●	●	×	×	●	×	×	×	×
Ceiling Ducted Type (High Static Pressure) AVD-76 & AVD-96	●	×	●	×	●	×	●	×	×	×	×
Ceiling Ducted Type (Low Static Pressure) AVD-07~AVD-54	●	●	●	●	×	×	●	×	×	×	×
Ceiling Ducted Type (Low Static Pressure) AVD-76 & AVD-96	●	×	●	×	●	×	●	×	×	×	×
Wall Mounted Type	●	●	●	×	●	●	●	×	×	●	●
Ceiling & Floor Type	●	×	●	×	×	×	×	×	×	×	×
Floor Concealed Type	●	×	●	×	●	●	●	×	×	×	●

Remarks: Standard: ● Optional: ○ Incompatible: ×

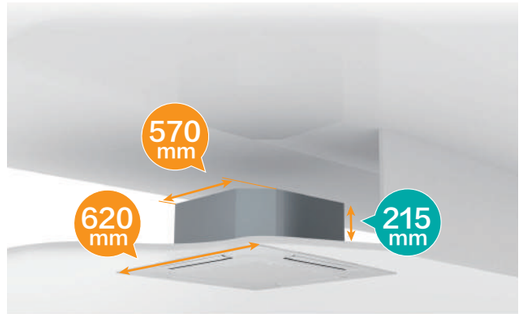
4-Way Cassette Type
Mini 4-Way Cassette Type

Compact and Classy Design

The 4-way cassette is as slim as 238mm, and the mini 4-way cassettes are only 215mm, making them suitable for narrow ceiling spaces. And the newly designed panel seamlessly integrates with indoor aesthetics.



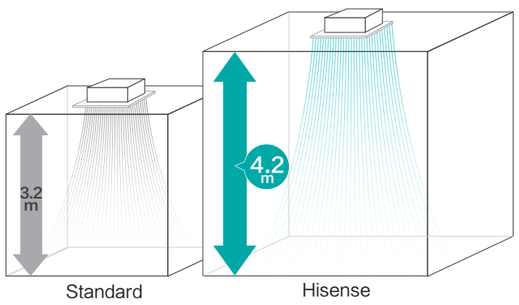
4-way Cassette Type



Mini 4-way Cassette Type

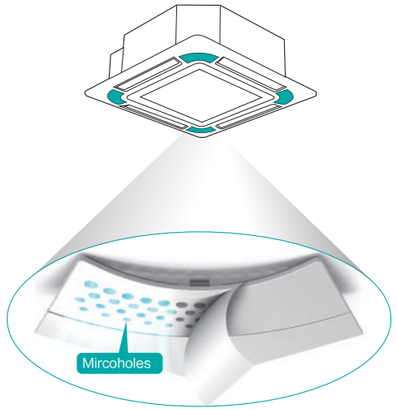
Higher Installation

Air from the cassette can flow down from ceiling heights as high as 4.2m. And it's suitable for working with motion sensors.



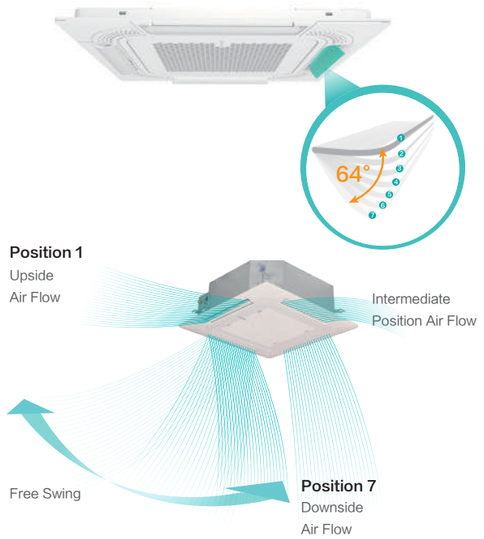
Breeze Mode

Under the new designed breeze mode, the cold air is blown out from the microholes in the panel, and the unit is working in a mute mode, which can avoid blowing air directly on people and achieve more even and comfortable airflow.



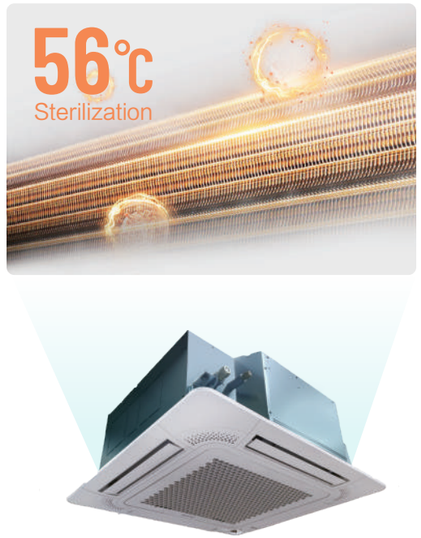
Individual Louvers Control

4-way cassettes 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 and maximum angle reach at 64°.



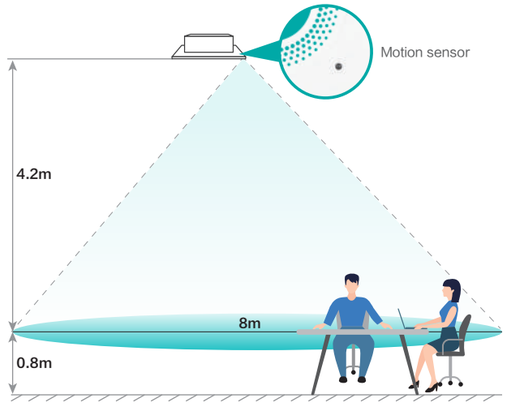
Healthy Air

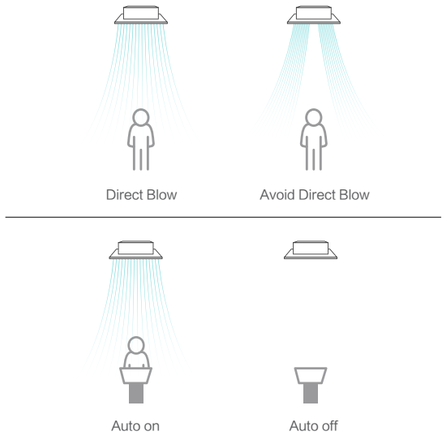
The cassette unit is featured with self-cleaning. By simply pressing a button on the controller, the unit can be refreshed, saving any labor costs. Moreover, it can achieve high temperature sterilization at 56℃, ensuring clean and healthy airflow.



Motion Sensor

The sensor senses the presence of people to automatically turn the cassette unit on or off and whether to direct airflow towards or avoiding humans depend settings set on the controller. During crowded times, the setting temperature is automatically lowered down and vise versa.





R32 | R410A

4-Way Cassette Type

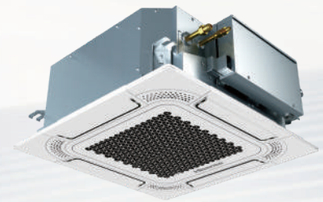
Model			AVBC-09 HJDBA	AVBC-12 HJDBA	AVBC-15 HJDBA	AVBC-19 HJDBA	AVBC-22 HJDBA	AVBC-24 HJDBA	AVBC-27 HJDBA	AVBC-30 HJDBA	AVBC-38 HJDBA	AVBC-48 HJDBA	AVBC-54 HJDBA
Power supply			AC 1Φ, 220V~240V/50Hz/60Hz										
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
		Btu/h	9,600	12,300	15,300	19,100	21,500	24,200	27,300	30,700	38,200	47,800	54,600
	Heating	kW	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
		Btu/h	10,900	13,700	17,100	21,500	24,200	27,300	30,700	34,100	42,700	54,600	61,400
Power Input	Cooling	W	20	30	40	50	50	60	70	70	80	130	130
	Heating	W	20	30	40	50	50	60	70	70	80	130	130
Sound Pressure		dB(A)	30/28/28/ 27/26/26	32/29/29/ 28/27/26	33/31/29/ 29/27/26	34/31/30/ 28/28/26	36/33/32/ 31/29/28	36/33/32/ 31/29/28	37/36/35/ 33/31/30	37/36/35/ 33/31/30	42/40/38/ 36/34/33	46/44/40/ 38/36/34	46/44/41/ 40/38/36
Air Flow Rate		m^3/min	15.0/12.8/ 12.0/10.8/ 10.0/8.8	17.0/14.0/ 12.8/11.8/ 10.8/9.1	19.0/15.0/ 13.9/12.6/ 11.4/10.5	19.0/15.0/ 13.9/12.6/ 11.8/10.5	26.0/20.0/ 18.3/17.0/ 15.1/13.0	27.0/21.1/ 19.1/18.0/ 15.8/14.7	25.0/21.1/ 19.6/17.9/ 16.1/14.7	25.0/22.3/ 20.3/18.3/ 16.9/15.3	31.0/29.5/ 28.7/26.0/ 23.5/20.5	37.0/33.5/ 29.6/27.2/ 24.2/22.4	37.0/34.0/ 30.7/28.9/ 25.6/23.8
Piping	Connection Type	–	Flare-nut Connection(with Flare Nuts)										
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	(1/4)	(1/4)	(1/4)	(1/4)	(1/4)	(3/8)	(3/8)	(3/8)	(3/8)	(3/8)	(3/8)
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
		inch	(1/2)	(1/2)	(1/2)	(1/2)	(1/2)	(5/8)	(5/8)	(5/8)	(5/8)	(5/8)	(5/8)
	Condensate Drain	–	O.D. 32										
Weight	Net Weight	kg	20	20	20	20	21	21	23	23	26	26	26
	Gross Weight	kg	24	24	24	24	25	25	27	27	31	31	31
Dimensions	External	H mm	238	238	238	238	238	238	238	238	288	288	288
		W mm	840	840	840	840	840	840	840	840	840	840	840
		D mm	840	840	840	840	840	840	840	840	840	840	840
	Packaging	H mm	292	292	292	292	292	292	292	292	342	342	342
		W mm	945	945	945	945	945	945	945	945	945	945	945
		D mm	945	945	945	945	945	945	945	945	945	945	945
Decoration Panel	Model	–	HPE-GNK1										
	Color	–	Neutral White										
	Body Dimensions	H mm	47	47	47	47	47	47	47	47	47	47	47
		W mm	950	950	950	950	950	950	950	950	950	950	950
		D mm	950	950	950	950	950	950	950	950	950	950	950
	Packaging Dimensions	H mm	100	100	100	100	100	100	100	100	100	100	100
		W mm	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022
		D mm	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022
	Net Weight	kg	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	Gross Weight	kg	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
   Outdoor Air Inlet Temperature: 7℃ DB (45°FDB), 6℃ WB (43°F WB)
2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

R32 | R410A

Mini 4-Way Cassette Type



Model			AVC-05HJDBA	AVC-07HJDBA	AVC-09HJDBA	AVC-12HJDBA	AVC-15HJDBA	AVC-17HJDBA	AVC-19HJDBA
Power supply			AC 1Φ, 220V~240V/50Hz/60Hz						
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.0	5.6
		Btu/h	5,100	7,500	9,600	12,300	15,300	17,000	19,100
	Heating	kW	2.0	2.5	3.3	4.2	5.0	5.6	6.3
		Btu/h	6,800	8,500	11,200	14,300	17,000	19,100	21,500
Power Input	Cooling	W	14	14	14	16	22	30	40
	Heating	W	14	14	14	16	22	30	40
Sound Pressure		dB(A)	30/29/28/26	30/29/28/26	32/30/28/26	34/32/29/26	38/36/31/28	42/39/36/31	45/42/38/34
Air Flow Rate		m^3/min	7.2/6.5/6.2/5.6	7.2/6.5/6.2/5.6	7.8/7.2/6.5/5.8	7.8/7.2/6.5/5.8	9.3/8.7/7.1/6.7	11.0/9.5/8.7/7.1	12.5/10.8/9.3/8.0
Piping	Connection Type	–	Flare-nut Connection(with Flare Nuts)						
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		inch	(1/4)	(1/4)	(1/4)	(1/4)	(1/4)	(1/4)	(1/4)
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
		inch	(1/2)	(1/2)	(1/2)	(1/2)	(1/2)	(1/2)	(1/2)
	Condensate Drain	–	O.D. 32						
Weight	Net Weight	kg	14.5	14.5	14.8	14.8	15.8	15.8	15.8
	Gross Weight	kg	17.3	17.3	17.6	17.6	18.6	18.6	18.6
Dimensions	External	H mm	215	215	215	215	215	215	215
		W mm	570	570	570	570	570	570	570
		D mm	570	570	570	570	570	570	570
	Packaging	H mm	292	292	292	292	292	292	292
		W mm	730	730	730	730	730	730	730
		D mm	668	668	668	668	668	668	668
Decoration Panel	Model	–	HPE-DNK1						
	Color	–	Neutral White						
	Body Dimensions	H mm	37	37	37	37	37	37	37
		W mm	620	620	620	620	620	620	620
		D mm	620	620	620	620	620	620	620
	Packaging Dimensions	H mm	115	115	115	115	115	115	115
		W mm	690	690	690	690	690	690	690
		D mm	680	680	680	680	680	680	680
	Net Weight	kg	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	Gross Weight	kg	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
   Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

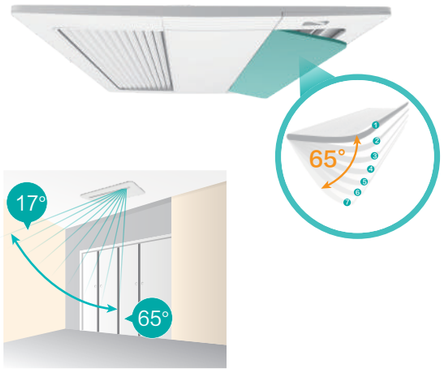
1-Way Cassette Type

Chic Aesthetics

Inspired from ceiling concealed ducted units and integrated with the design of cassette units to present 1 way cassette. High class appearance blends into common white plaster ceilings and practical solution for cornered floor layouts, hotel rooms and residential applications.

Even Air Supply

Louvers are consist of horizontal and vertical flaps to supply air evenly to the edges of any rooms. Wider opening angle from 17° to 65° supplies air further and lower down to floor needed during heating modes.

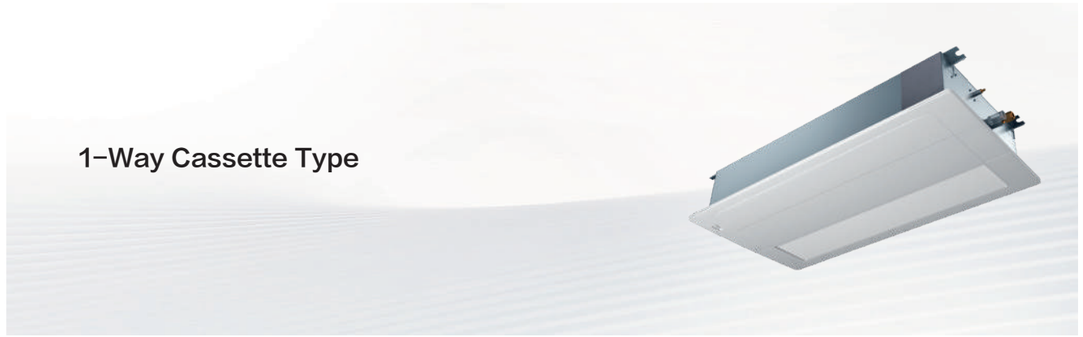


Space Saving

Slim body height of 192mm fits in limited ceiling spaces commonly seen in budget hotels and residential applications.

Easier Maintain

The electric box of the cassette is designed and placed beneath the panel. When operate on PCB, it just needs to open the panel and the cover of box. It's easy to take the service, maintenance and commissioning.



Model				AVY-07UXJSJA	AVY-09UXJSJA	AVY-12UXJSJA	AVY-14UXJSJA	AVY-18UXJSKA	AVY-24UXJSKA
Power Supply				AC 1Φ, 220-240V/50Hz/60Hz					
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	7.1
			Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating		kW	2.5	3.2	4.0	5.0	6.3	8.0
			Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Power Input	Cooling		W	14	14	24	34	34	74
	Heating		W	14	24	34	44	44	94
Sound Pressure			dB(A)	33/32/31/30/29/28	35/34/32/31/29/28	40/36/35/33/30/29	40/36/35/33/30/29	41/39/36/35/33/31	48/46/43/40/37/33
Airflow Rate			m^3/min	6.2/5.9/5.6/ 5.1/4.8/4.6	6.6/6.2/5.6/ 5.1/4.8/4.6	8.3/7.3/6.8/ 6.2/5.6/5.1	8.3/7.3/6.8/ 6.2/5.6/5.1	12.1/9.9/8.8/ 8.2/7.8/6.6	15.6/12.6/11.2/ 9.9/8.4/7.1
	Connection Type		-	Flare-nut Connection (with Flare Nuts)					
Piping	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8
	Gas		mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	5/8
	Condensate Drain		mm	I.D.32					
Weight	Net Weight		kg	19	19	20	20	24	24
	Gross Weight		kg	23	23	24	24	29	29
Dimensions	External	H	mm	192	192	192	192	192	192
		W	mm	910	910	910	910	1180	1180
		D	mm	470	470	470	470	470	470
	Packaging	H	mm	268	268	268	268	268	268
		W	mm	1136	1136	1136	1136	1406	1406
		D	mm	574	574	574	574	574	574
Decoration Panel	Model		-	HP-D-NA	HP-D-NA	HP-D-NA	HP-D-NA	HP-E-NA	HP-E-NA
	Panel Colour		-	Neutral White					
	Body Dimensions	H	mm	55	55	55	55	55	55
		W	mm	1100	1100	1100	1100	1370	1370
		D	mm	550	550	550	550	550	550
	Packaging Dimensions	H	mm	130	130	130	130	130	130
		W	mm	1160	1160	1160	1160	1430	1430
		D	mm	610	610	610	610	610	610
	Net Weight		kg	5	5	5	5	6	6
	Gross Weight		kg	8	8	8	8	10	10

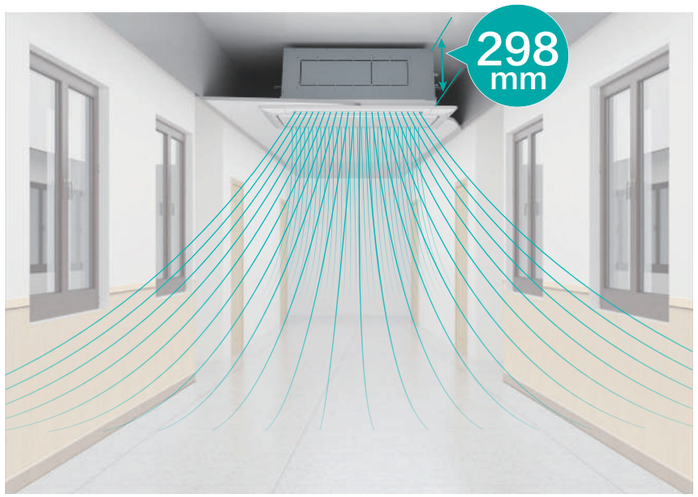
Notes:

1. The nominal cooling capacity is based on the following conditions:
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on the following conditions: 1.0m beneath the unit, 1.0m from Discharge Grille. The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.

2-Way Cassette Type

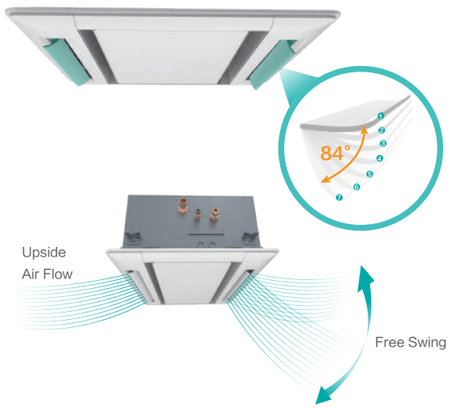
Compact and Classy Design

The slim structure of the cassette having height as low as 298mm can be installed in ceiling spaces with a minimum of 310mm. Narrow corridors or zoned spaces are best fitted with 2 way cassette due to its compact design.



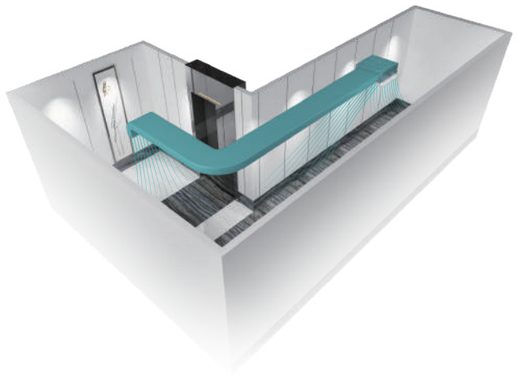
Independent Louvers Control

Each louver's opening angles are controllable individually with a total of 7 choices, with opening angle from 27° to 84° to cover high ceiling narrow long corridors needs and effective warm air supply during winter seasons.



Branch Discharge Option

In irregular room layouts, branch discharge could come in handy by extending air distribution area to the most awkward corners without additional indoor units.



Model				AVL-07 UXJSGA	AVL-09 UXJSGA	AVL-12 UXJSGA	AVL-14 UXJSGA	AVL-18 UXJSGA	AVL-24 UXJSGA	AVL-27 UXJSGA	AVL-30 UXJSGA	AVL-38 UXJSHA	AVL-48 UXJSHA	AVL-54 UXJSHA
Power Supply				AC 1Φ, 220~240V/50Hz/60Hz										
Capacity	Cooling		kW	2.2	2.8	3.6	4.3	5.6	7.1	8.4	9.0	11.2	14.0	16.0
			Btu/h	7,500	9,600	12,300	14,700	19,100	24,200	28,700	30,700	38,200	47,800	54,600
	Heating		kW	2.8	3.3	4.0	4.9	6.5	8.0	9.0	10.0	13.0	16.0	18.0
			Btu/h	9,600	11,300	13,600	16,700	22,200	27,300	30,700	34,100	44,400	54,600	61,400
Power Input	Cooling		W	14	14	14	24	34	44	64	74	84	104	114
	Heating		W	14	14	14	24	34	44	64	74	84	104	114
Sound Pressure			dB(A)	32/30/ 29/27	33/30/ 29/28	34/31/ 30/28	40/37/ 34/32	42/39/ 36/33	45/42/ 40/36	47/44/ 40/36	49/46/ 42/37	46/44/ 40/38	48/45/ 42/38	49/46/ 43/40
Airflow Rate			m^3/min	10.0/8.5/ 7.2/6.0	11.0/9.4/ 8.2/6.6	12.0/10.5/ 8.9/7.5	15.0/13.2/ 11.5/9.9	17.0/14.9/ 13.0/11.2	19.0/16.4/ 14.3/12.3	21.0/18.4/ 15.6/12.6	22.0/19.3/ 16.3/13.1	30.0/26.4/ 23.1/19.8	35.0/30.8/ 26.9/21.1	37.0/32.5/ 28.4/24.1
Piping	Connection Type		–	Flare-nut Connection (with Flare Nuts)										
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain		mm	I.D.32										
Weight	Net Weight		kg	22	22	22	24	24	24	24	24	39	39	39
	Gross Weight		kg	28	28	28	30	30	30	30	30	47	47	47
Dimensions	External	H	mm	298	298	298	298	298	298	298	298	298	298	298
		W	mm	860	860	860	860	860	860	860	860	1420	1420	1420
		D	mm	630	630	630	630	630	630	630	630	630	630	630
	Packaging	H	mm	350	350	350	350	350	350	350	350	350	350	350
		W	mm	1070	1070	1070	1070	1070	1070	1070	1070	1630	1630	1630
		D	mm	710	710	710	710	710	710	710	710	710	710	710
Decoration Panel	Model		–	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-F-NA	HP-F-NA	HP-F-NA
	Panel Colour		–	Neutral White										
	Body Dimensions	H	mm	30	30	30	30	30	30	30	30	30	30	30
		W	mm	1100	1100	1100	1100	1100	1100	1100	1100	1660	1660	1660
		D	mm	710	710	710	710	710	710	710	710	710	710	710
	Packaging Dimensions	H	mm	160	160	160	160	160	160	160	160	160	160	160
		W	mm	1170	1170	1170	1170	1170	1170	1170	1170	1710	1710	1710
		D	mm	740	740	740	740	740	740	740	740	740	740	740
	Net Weight		kg	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.5	10.5	10.5
	Gross Weight		kg	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	17.8	17.8	17.8

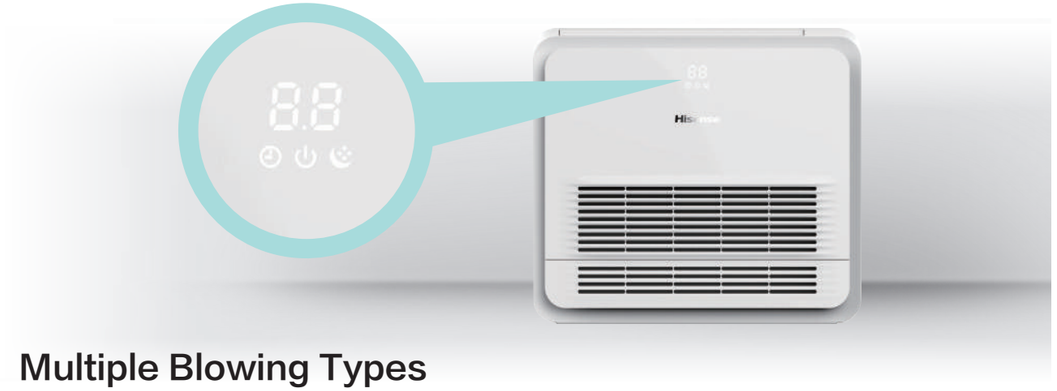
Notes:

1. The nominal cooling capacity is based on the following conditions:
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
   The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

Console Type

Stylish Design

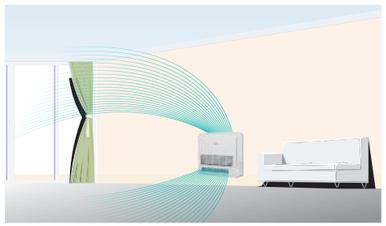
With smooth white cover, LED shown and temperature display, the console unit is an super stylish air-conditioning, which is suitable for the residential or commercial applications which need an unit installed on or close to the floor.

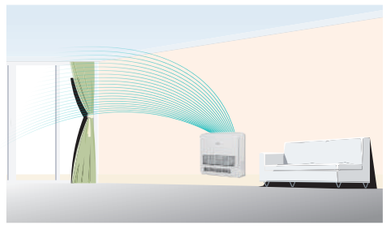


Multiple Blowing Types

Cooling Mode

The unit adopts the stereo cooling mode that can reach the setting temperature rapidly.

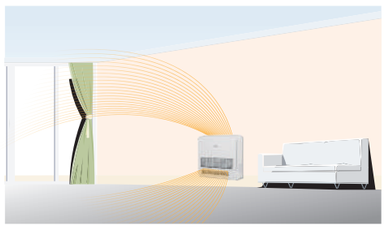


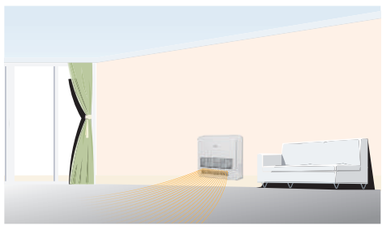


*Note: During cooling mode, the lower air louver will close automatically after the indoor unit operates in low fan speed mode for an hour. Otherwise it will keep open.

Heating Mode

Air supply through the below louver achieves floor heating effect and increases the comfortability.





*Note: In the Eco mode, when the indoor return air temp. is close to the setting temp., the upper air deflector is automatically closed, and the lower air outlet mode is activated.

Flexible Installation Options

The unit can stand directly on the floor, or be hanged on the wall.
According to the interior decoration style, the machine can choose surface mounted, embedded mounted, concealed mounted.

Standing on the floor

Hanging on the wall

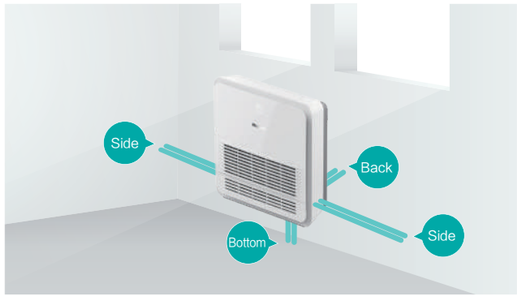
Surface mounted

Embedded mounted

Concealed mounted

Flexible Piping Connection

Both refrigerant and drainage pipings are freely to connect in any direction including two sides (L or R) and bottom and back. An additional direction to the back of the unit suitable for pipes which passing through walls.

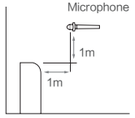


Model				AVK–05HJFCAA	AVK–07HJFCAA	AVK–09HJFCAA	AVK–12HJFCAA	AVK–15HJFCAA	AVK–17HJFCAA
Power Supply				AC 1Φ, 220V–240V/50Hz/60Hz					
Capacity	Cooling		kW	1.5	2.2	2.8	3.6	4.5	5.0
			Btu/h	5,100	7,500	9,600	12,300	15,300	17,000
	Heating		kW	2.0	2.5	3.3	4.2	5.0	5.6
			Btu/h	6,800	8,500	11,200	14,300	17,000	19,100
Power Input	Cooling		W	10	11	12	14	18	23
	Heating		W	10	11	12	14	18	23
Sound Pressure			dB(A)	32/30/29/28/26/24	34/32/31/29/27/26	36/35/32/31/29/27	39/36/34/31/29/27	41/39/37/35/33/32	44/43/41/39/37/36
Airflow Rate			m^3/min	6.0/5.7/5.3/ 5.1/4.7/4.5	7.4/7.0/6.4/ 6.0/5.6/5.3	8.0/7.4/7.0/ 6.4/6.0/5.6	8.2/7.6/6.8/ 6.2/5.7/5.3	9.0/8.5/7.8/ 7.2/6.6/6.4	10.1/9.7/9.0/ 8.5/7.9/7.3
Panel Colour			–	Pure White	Pure White	Pure White	Pure White	Pure White	Pure White
Piping	Connection Type		–	Flare–nut Connection (with Flare Nuts)					
	Liquid		mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35
			inch	1/4	1/4	1/4	1/4	1/4	1/4
	Gas		mm	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70
			inch	1/2	1/2	1/2	1/2	1/2	1/2
	Condensate Drain		mm	O.D.18					
Weight	Net Weight		kg	16.1	16.1	16.1	17.4	17.4	17.4
	Gross Weight		kg	20.6	21.1	21.1	21.5	21.5	21.5
Dimensions	External	H	mm	630	630	630	630	630	630
		W	mm	700	700	700	700	700	700
		D	mm	225	225	225	225	225	225
	Packaging	H	mm	725	725	725	725	725	725
		W	mm	790	790	790	790	790	790
		D	mm	315	315	315	315	315	315

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
   Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)

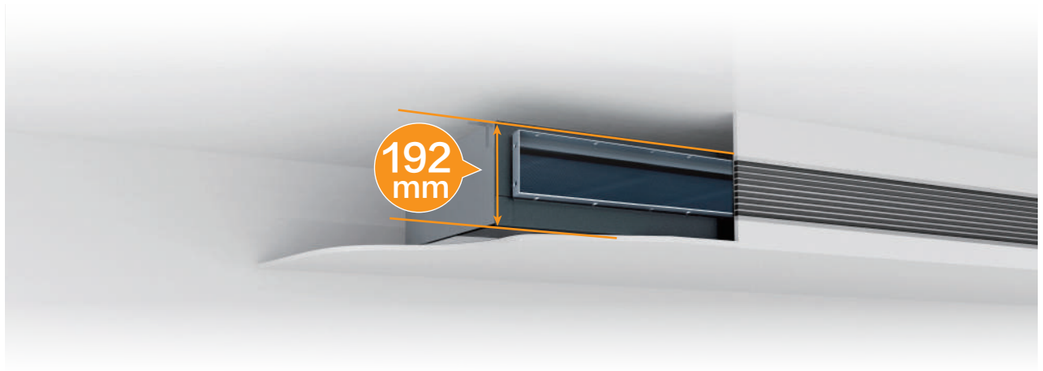
2. The sound pressure level is based on following conditions:
   It is measured in anechoic room. Operation noise differs with operation and ambient conditions.
   Location of Microphone:



Ceiling Ducted Type (AC/DC Low Height)

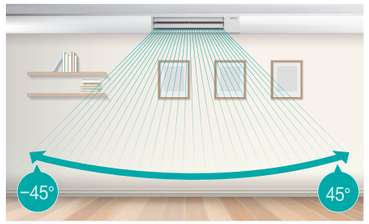
Space Saving

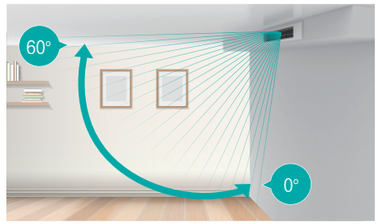
Concealed AC/DC Low Height Ducted unit is as slim as 192mm, fitting into the narrowest ceiling spaces. Save ceiling spaces for higher room height without compromising user's comfort and satisfaction.

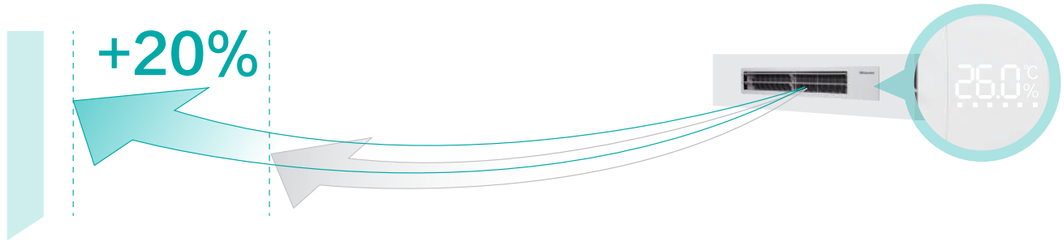


3D Air Flow

Classy air discharge louver panel with LED temperature and humidity display is available as an optional accessory for the low–height ceiling ducted units. The 3D louvers on the panel offer wide air flow coverage to keep every corners of your room cool or warm in any seasons of the year.







Ceiling Ducted Type (AC Low Height)

Model				AVE-05 HCFRL	AVE-07 HCFRL	AVE-09 HCFRL	AVE-12 HCFRL	AVE-15 HCFRL	AVE-17 HCFRL	AVE-19 HCFRL	AVE-22 HCFRL	AVE-24 HCFRL
Power Supply				AC 1Φ, 220V~240V/50Hz								
Capacity	Cooling		kW	1.7	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1
			Btu/h	5,800	7,500	9,600	12,300	15,300	17,100	19,100	21,500	24,200
	Heating		kW	1.9	2.5	3.2	4.0	5.0	5.6	6.3	7.1	8.0
			Btu/h	6,500	8,500	11,300	13,600	17,100	19,100	21,500	24,200	27,300
Power Input	Cooling		W	50	50	70	70	80	80	100	120	120
	Heating		W	50	50	70	70	80	80	100	120	120
Sound Pressure			dB(A)	29/24/22	29/24/22	35/25/23	35/25/23	36/25/23	36/25/23	35/25/23	39/26/25	39/26/25
Airflow Rate			m^3/min	7/5.5/4.7	7/5.5/4.7	9/5.7/4.8	9/5.7/4.8	12/6.3/5.5	12/6.3/5.5	13.5/8/7.7	18/9.3/8.7	18/9.3/8.7
External Static Pressure			Pa	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)
Piping	Connection Type		–	Flare-nut Connection (with Flare Nuts)								
	Liquid		mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53
			inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3/8	3/8
	Gas		mm	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70	Φ 15.88	Φ 15.88	Φ 15.88
			inch	1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8
	Condensate Drain		mm	I.D.32								
Weight	Net Weight		kg	16	16	17	17	21	21	25	26	26
	Gross Weight		kg	19	19	20	20	24	24	29	29	29
Dimensions	External	H	mm	192	192	192	192	192	192	192	192	192
		W	mm	700	700	700	700	910	910	1180	1180	1180
		D	mm	447	447	447	447	447	447	447	447	447
	Packaging	H	mm	270	270	270	270	270	270	270	270	270
		W	mm	925	925	925	925	1136	1136	1406	1406	1406
		D	mm	574	574	574	574	574	574	574	574	574

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
   Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
   The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

R32 | R410A

Ceiling Ducted Type (DC Low Height)

Model				AVE-05HJDDH	AVE-07HJDDH	AVE-09HJDDH	AVE-12HJDDH	AVE-15HJDDH	AVE-19HJDDH	AVE-24HJDDH
Power supply				AC 1Φ, 220V~240V/50Hz/60Hz						
Capacity	Cooling		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
			Btu/h	5,800	7,500	9,600	12,300	15,300	19,100	24,200
	Heating		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
			Btu/h	6,500	8,500	11,300	13,600	17,100	21,500	27,300
Power Input	Cooling		W	30	30	50	50	60	60	90
	Heating		W	30	30	50	50	60	60	90
Sound Pressure			dB(A)	28/27/26/24/23/21	28/27/26/24/23/21	35/32/32/30/26/23	35/32/32/30/26/23	35/32/32/30/26/23	35/32/30/28/25/23	38/36/35/33/31/24
Air Flow Rate			m^3/min	7.0/6.5/6.1/ 5.7/5/3/4.8	7.0/6.5/6.1/ 5.7/5/3/4.8	9.0/8.1/7.3/ 6.7/5.9/5.2	9.0/8.1/7.3/6.7/ 5.9/5.2	12.0/10.8/9.4/ 8.1/6.8/5.5	13.5/12.5/11.2/ 10.0/8.8/7.7	18.0/16.1/14.3/ 12.3/10.5/8.7
External Static Pressure			Pa	10(10~30~50)						
Piping	Connection Type		–	Flare-nut Connection(with Flare Nuts)						
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	1/4	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8
	Condensate Drain		–	I.D.32						
Weight	Net Weight		kg	16	16	17	17	20	24	24
	Gross Weight		kg	19	19	20	20	24	29	29
Dimensions	External Dimension	H	mm	192	192	192	192	192	192	192
		W	mm	700	700	700	700	910	1180	1180
		D	mm	447	447	447	447	447	447	447
	Packaging Dimensions	H	mm	270	270	270	270	270	270	270
		W	mm	925	925	925	925	1136	1406	1406
		D	mm	574	574	574	574	574	574	574

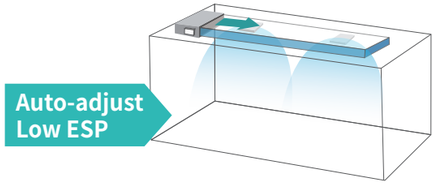
Notes:

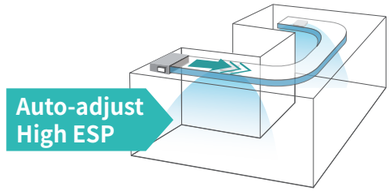
1. The nominal cooling capacity and heating capacity are based on the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
   Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
   The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

Ceiling Ducted Type(DC High Static Pressure)

Auto-adjust External Static Pressure

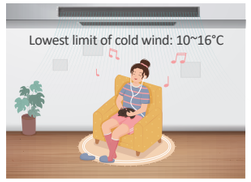
After installation, the actual duct resistance frequently differ from the initially calculated, causing the actual air flow too low or too high. The auto-adjust ESP function can effectively solve this problem. At the initial commission, the system can automatically select the most appropriate ESP value according to the actual duct resistance.





Cold Wind Limit Setting

Thanks to the Cold Wind Limit Setting function, the lowest limit of the outlet air temperature can be set in the range of 10~16℃, which can ensure that the actual outlet temperature will never be lower than the set value, and avoid uncomfortable feeling caused by the direct blowing of cold wind.

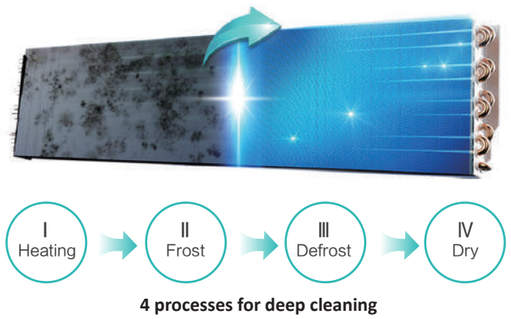


New Improved Bendable Filters

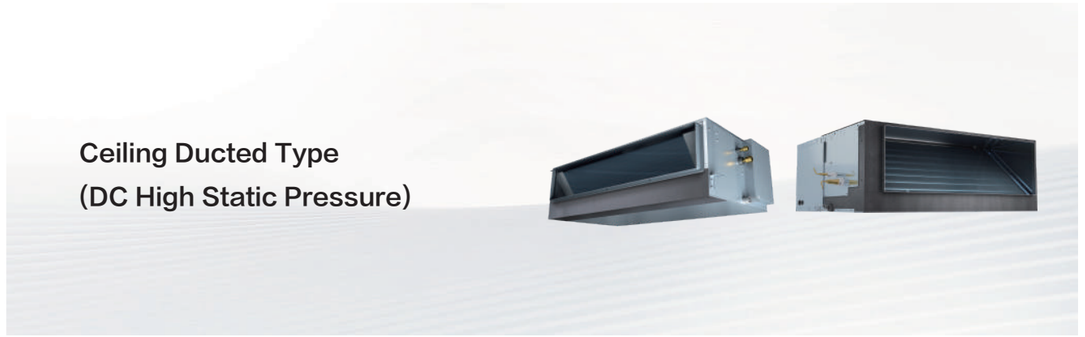
Filters that comes with the units are now optimized to be bendable by improving the material's malleability to improve installation flexibility in narrow ceiling height and restricted spaces.

Self-cleaning Function

Featured with self-cleaning technology, the evaporator can be self-cleaned automatically just with the tap of a button in the controller, which is very convenient and saves the cost of manual cleaning, while ensuing a clean environment.



4 processes for deep cleaning



Model				AVD-07 HJFH	AVD-09 HJFH	AVD-12 HJFH	AVD-15 HJFH	AVD-19 HJFH	AVD-24 HJFH	AVD-24 HJFH1	AVD-30 HJFH	AVD-38 HJFH	AVD-48 HJFH	AVD-54 HJFH	AVD-76 HJFH	AVD-96 HJFH
Power Supply				AC 1Φ, 220V~240V/50Hz/60Hz												
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	7.1	7.1	9.0	11.2	14.0	16.0	22.4	28.0
			Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	24,200	30,800	38,000	48,000	54,500	76,500	95,600
	Heating		kW	2.5	3.2	4.0	4.6	6.3	8.0	8.0	10.0	12.5	16.0	18.0	25.0	31.5
			Btu/h	8,500	10,900	13,700	17,100	21,600	27,400	27,400	34,200	42,500	54,500	61,500	85,300	107,500
Power Input	Cooling		W	40	40	55	55	55	82	74	100	132	180	223	610	830
	Heating		W	40	40	55	55	55	82	74	100	132	180	223	610	830
Sound Pressure Level			dB(A)	30/27/23/ 21/20/19	30/27/23/ 21/20/19	35/33/32/ 28/26/24	35/33/32/ 28/26/24	33/30/27/ 25/23/22	36/34/31/ 28/24/22	33/31/28/ 25/23/21	34/32/30/ 28/25/22	37/35/31/ 29/26/23	38/36/34/ 31/29/26	41/38/35/ 33/30/27	49/48/47/ 46/45/44	53/52/50/ 49/47/45
Airflow Rate			m^3/min	9/8/6.8/ 6.3/5.8/5.3	9/8/6.8/ 6.3/5.8/5.3	12/11/10/ 9/8/7.2	12/11/10/ 9/8/7.2	14.5/13/11.5/ 10.5/9.5/8.7	19/17/15/ 13/11/9.5	20.6/19/17/ 15/13.8/12.5	25/23/21/ 19/17/15	28/25/23/ 21/19/17	35.5/32.5/29.5/ 26.5/23.5/20.5	39/35.5/31/ 26.5/23.5/21.8	57/54/52/ 51/49/48	72/68/65/ 61/58/50
External Static Pressure			Pa	30 (30/40/50/60/70/80/90/100/110/120/130/140/150)						50 (50/60/70/80/90/100/110/120/130/140/150/160/170/180/190/200)					150(50~250)	150(50~250)
Piping	Connection Type		–	Flare-Nut Connection(With Flare Nut)											Brazing	
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ22.2 (Φ19.05*1)	Φ22.2
			inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	7/8 (3/4*1)	7/8
	Condensate Drain		–	I.D. 32												
Weight	Net Weight		kg	23	23	24	24	30	30	40	40	40	49	49	104	104
	Gross Weight		kg	29	29	29	29	37	37	48	48	48	57	57	125	125
Dimensions	External	H	mm	270	270	270	270	270	270	300	300	300	300	300	470	470
		W	mm	650+75	650+75	650+75	650+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75	1250	1250
		D	mm	720	720	720	720	720	720	800	800	800	800	800	1120	1120
	Packing	H	mm	385	385	385	385	385	385	415	415	415	415	415	546	546
		W	mm	895	895	895	895	1140	1140	1345	1345	1345	1640	1640	1466	1466
		D	mm	870	870	870	870	870	870	950	950	950	950	950	1345	1345

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27° C DB(80° F DB), 19.0° C WB(66.2° F WB)
   Outdoor Air Inlet Temperature: 35° C DB(95° F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20° C DB(68° F DB).
   Outdoor Air Inlet Temperature: 7° C DB(45° F DB), 6° C WB(43° F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.5m below the unit; With 2.0m discharge duct and 1.0m return duct
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. *1: The size of AVD-76* series gas pipe is Φ22.2mm when leaving the factory, and the diameter can be changed to 19.05mm after welding the adapter pipe.

Ceiling Ducted Type (High/Low Static Pressure)

Flexible Air Duct Layout

High static pressure facilitates extensive ducts and air outlets network, effectively sends air-conditioned air to every corner of the room.

New Improved Bendable Filters

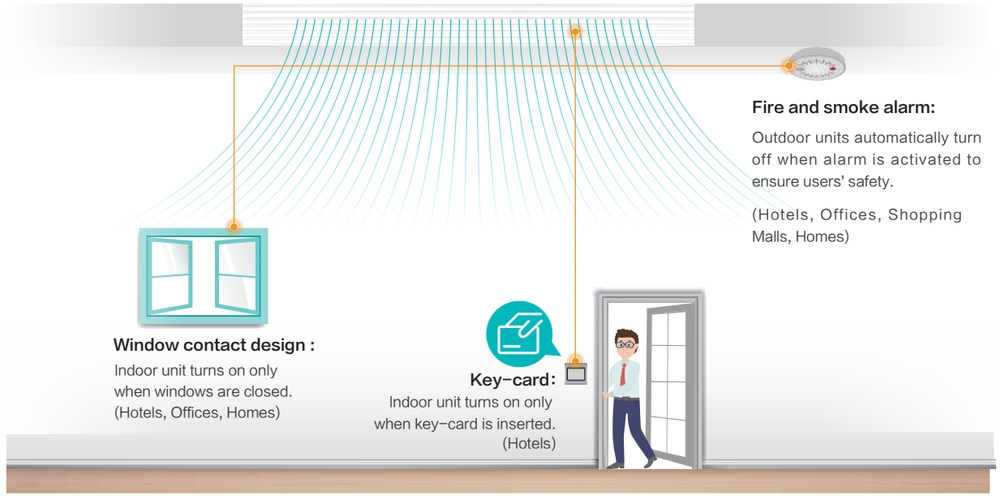
Standard filters that comes with high/low static pressure ceiling ducted type are now optimized to be bendable by improving the material's malleability to improve installation flexibility in narrow ceiling height and restricted spaces.

Fresh Air Introducing

There is a fresh air duct opening reserved in the unit for 10% free fresh air introductory directly from outdoor, providing fresh air to the indoor continuously.

Various Device Connection Options

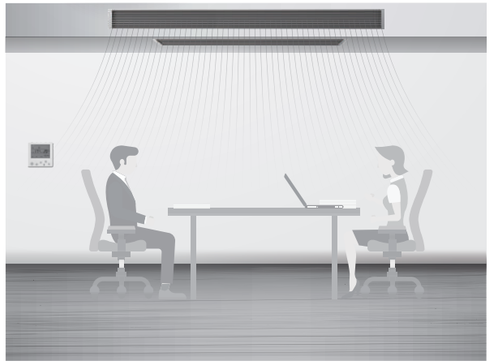
Third party devices to control the on-off air conditioners is possible with dry contact connections to the Indoor unit. Devices like room key card, window contact and fire alarms can be connected simultaneously.



Smart & Precise Temperature Control

To prevent the human height area of the room cools or warms to user's ideal temperature setting. Two Temperature Sensor Control Technology is integrated into the unit whereby the controller, and return section consist of built in temperature sensors to send real-time signals to the unit for a more precise supplying temperature.

Hisense VRF



Conventional

Ceiling Ducted Type (High Static Pressure)

Model				AVD-07 HCFCH	AVD-09 HCFCH	AVD-12H CFCH	AVD-15H CFCH	AVD-19 HCFCH	AVD-22 HCFCH	AVD-24 HCFCH	AVD-27 HCFCH	AVD-30 HCFCH	AVD-38 HCFCH	AVD-48 HCFCH	AVD-54 HCFCH	AVD-76U X6SEH*1	AVD-96U X6SFH*1
Power Supply				AC 1Φ, 220V~240V/50Hz												AC 3Φ, 380~415V/50Hz	
Model				AVD-07 H3FCH	AVD-09 H3FCH	AVD-12 H3FCH	AVD-15 H3FCH	AVD-19 H3FCH	AVD-22 H3FCH	AVD-24 H3FCH	AVD-27 H3FCH	AVD-30 H3FCH	AVD-38 H3FCH	AVD-48 H3FCH	AVD-54 H3FCH	–	–
Power Supply				AC 1Φ, 208~230V/60Hz													
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
			Btu/h	7,500	9,600	12,300	15,400	19,100	21,600	24,200	27,400	30,800	38,000	48,000	54,500	76,500	95,600
	Heating		kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5
			Btu/h	8,500	10,900	13,700	17,100	21,600	24,200	27,400	30,800	34,200	42,500	54,500	61,500	85,300	107,500
Power Input	Cooling		kW	0.10(0.13*2)	0.10(0.13*2)	0.13(0.16*2)	0.13(0.16*2)	0.14(0.21*2)	0.19(0.24*2)	0.19(0.24*2)	0.25(0.34*2)	0.25(0.34*2)	0.25(0.34*2)	0.34(0.45*2)	0.43(0.59*2)	1.08	1.34
	Heating		kW	0.10(0.13*2)	0.10(0.13*2)	0.13(0.16*2)	0.13(0.16*2)	0.14(0.21*2)	0.19(0.24*2)	0.19(0.24*2)	0.25(0.34*2)	0.25(0.34*2)	0.25(0.34*2)	0.34(0.45*2)	0.43(0.59*2)	1.08	1.34
Sound Pressure	220~240V/50Hz		dB(A)	32/27/25	32/27/25	35/32/26	35/32/26	36/35/30	39/32/25	39/32/25	42/39/34	42/39/34	42/39/34	43/40/35	46/40/35	52	54
	208V/60Hz		dB(A)	33/28/24	33/28/24	37/34/29	37/34/29	37/35/29	39/32/25	39/32/25	42/38/33	42/38/33	42/38/33	44/39/34	45/40/34	52	54
	230V/60Hz		dB(A)	37/33/28	37/33/28	40/38/33	40/38/33	42/40/34	43/37/30	43/37/30	44/42/37	44/42/37	44/42/37	47/43/38	46/42/38	52	54
Air Flow(Hi/Me/Lo)			m^3/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/19.5	35.5/29/24	39/31/24	58	77.5
External Static Pressure	220~240V/50Hz 208V/60Hz		Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	120(90)	120(90)	120(90)	120(90)	120(90)	220	220
	230V/60Hz		Pa	80(105)	80(105)	90(115)	90(115)	90(115)	90(115)	90(115)	170(150)	170(150)	170(150)	170(150)	170(150)	–	–
Piping	Connection Type		–	Flare-nut Connection (with Flare Nuts)												Brazing	
	Liquid		mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 19.05	Φ 22.20
			inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	3/4	7/8
	Condensate Drain		mm	I.D.32													
Weight	Net Weight		kg	25(24*2)	25(24*2)	25(24*2)	25(24*2)	30(31*2)	30(31*2)	30(31*2)	45(44*2)	45(44*2)	45(44*2)	53(50*2)	53(50*2)	94	106
	Gross Weight		kg	31(30*2)	31(30*2)	31(30*2)	31(30*2)	36(38*2)	37(38*2)	37(38*2)	52(52*2)	52(52*2)	52(52*2)	61(59*2)	61(59*2)	106	111
Dimensions	External	H	mm	270	270	270	270	270	270	270	300	300	300	300	300	470	470
		W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75	1060	1250
		D	mm	720	720	720	720	720	720	720	800	800	800	800	800	1120	1120
	Packaging	H	mm	385	385	385	385	385	385	385	415	415	415	415	415	546	546
		W	mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640	1276	1466
		D	mm	870	870	870	870	870	870	870	950	950	950	950	950	1345	1345

Notes:

1.The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)

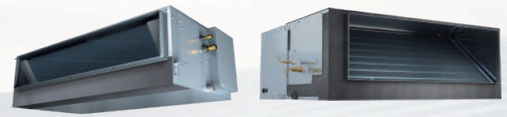
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
With discharge duct (2.0m) and return duct (1.0m).
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.

1: For AVD-76/96, the filter is not standard.

*2: The value noted *2 is the parameter of the indoor units with power supply 208~230V/60Hz.

Ceiling Ducted Type (Low Static Pressure)



Model				AVD-07 HCFCL	AVD-09 HCFCL	AVD-12 HCFCL	AVD-15 HCFCL	AVD-19 HCFCL	AVD-22 HCFCL	AVD-24 HCFCL	AVD-27 HCFCL	AVD-30 HCFCL	AVD-38 HCFCL	AVD-48 HCFCL	AVD-54 HCFCL	AVD-76U X6SEL*1	AVD-96U X6SFL*1
Power Supply				AC 1Φ, 220V~240V/50Hz												AC 3Φ, 380~415V/50Hz	
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
			Btu/h	7,500	9,600	12,300	15,400	19,100	21,600	24,200	27,400	30,800	38,000	48,000	54,500	76,500	95,600
	Heating		kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5
			Btu/h	8,500	10,900	13,700	17,100	21,600	24,200	27,400	30,800	34,200	42,500	54,500	61,500	85,300	107,500
Power Input	Cooling		W	60	60	110	110	90	160	160	240	240	240	290	360	950	1120
	Heating		W	60	60	110	110	90	160	160	240	240	240	290	360	950	1120
Sound Pressure			dB(A)	27/23/21	27/23/21	34/30/25	34/30/25	32/30/26	35/28/24	35/28/24	38/33/30	38/33/30	38/33/30	41/38/33	44/39/33	50	52
Air Flow Rate (Hi/Me/Lo)			m^3/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/19.5	35.5/29/24	39/31/24	58	72
External Static Pressure			Pa	30	30	30	30	30	30	30	60	60	60	60	60	100	100
Piping	Connection Type		–	Flare-nut Connection (with Flare Nuts)												Brazing	
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ22.20
			inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	3/4	7/8
	Condensate Drain		mm	I.D.32													
Weight	Net Weight		kg	25	25	25	25	30	30	30	45	45	45	52	52	94	106
	Gross Weight		kg	31	31	31	31	36	37	37	52	52	52	61	61	106	111
Dimensions	External	H	mm	270	270	270	270	270	270	270	300	300	300	300	300	470	470
		W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75	1060	1250
		D	mm	720	720	720	720	720	720	720	800	800	800	800	800	1120	1120
	Packaging	H	mm	385	385	385	385	385	385	385	415	415	415	415	415	546	546
		W	mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640	1276	1466
		D	mm	870	870	870	870	870	870	870	950	950	950	950	950	1345	1345

Notes:

1.The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)

2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
With discharge duct (2.0m) and return duct (1.0m).
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

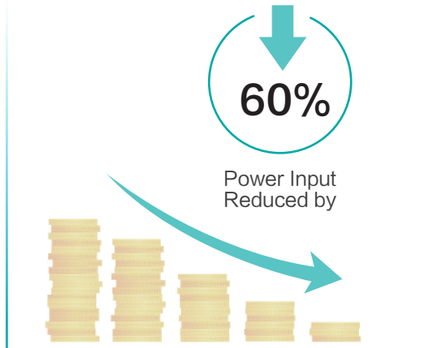
3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.

1: For AVD-76/96, the filter is not standard.

Wall Mounted Type

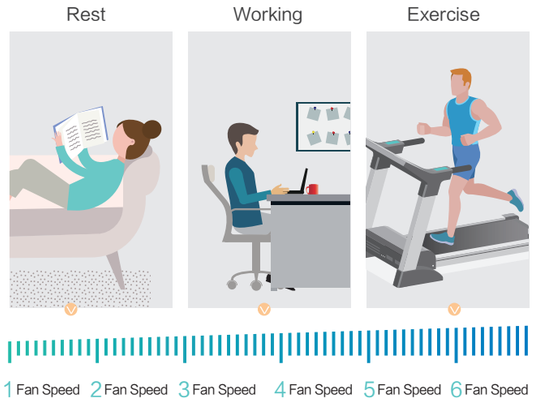
High-efficiency DC Fan Motor

Equipped with a DC fan motor, the unit significantly reduces the power consumption by 60% compared to conventional AC products, ensuring low-cost operation.



6 Fan Speed

6 indoor fan speeds are available to meet the needs of different indoor conditions.



Dual Purification to Enhance the Health of Indoor Air

Self-cleaning of Indoor Units

The indoor units feature an intelligent self-cleaning function that efficiently clears the heat exchangers without manual intervention, saving your valuable time and cost.

56℃ High-temperature Sterilization

With an advanced 56℃ high-temperature sterilization function, our indoor units swiftly eliminate viruses within the indoor unit. This ensures the released air is pure, providing users a healthy and comfortable indoor environment.

R32 | R410A

Wall Mounted Type

Model				AVS-05 HJDTD	AVS-07 HJDTD	AVS-09 HJDTD	AVS-12 HJDTD	AVS-15 HJDTD	AVS-19 HJDTD	AVS-24 HJDTD	AVS-28 HJDTD
Power Supply				AC 1Φ, 220V~240V/50Hz/60Hz							
Capacity	Cooling		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.4
			Btu/h	5,800	7,500	9,600	12,300	15,400	19,100	24,200	28,700
	Heating		kW	2.0	2.5	3.3	4.0	5.0	6.3	8.0	8.4
			Btu/h	6,500	8,500	11,300	13,700	17,100	21,500	27,300	28,700
Power Input	Cooling		W	20	20	20	30	20	30	50	80
	Heating		W	20	20	20	30	30	30	70	80
Sound Pressure			dB(A)	33/32/32/ 30/30/28	36/35/33/ 32/30/28	36/35/33/ 32/30/28	38/35/33/ 32/30/28	38/37/36/ 32/31/29	40/38/36/ 35/33/31	45/42/41/ 38/35/31	50/48/45/ 41/36/33
Airflow Rate			m^3/min	8.7/8.3/8.2/ 7.5/7.2/7.0	9.8/9.2/8.7/ 8.2/7.5/7.0	9.8/9.2/8.7/ 8.2/7.5/7.0	10.3/9.2/8.7/ 8.2/7.5/7.0	11.5/11.0/10.3/ 9.0/8.7/8.0	16.2/15.0/14.2/ 13.3/12.2/11.5	20.0/18.0/17.0/ 15.0/13.3/11.7	23.3/22.0/20.0/ 17.0/14.2/12.2
Panel Colour			–	White							
Piping	Connection Type		–	Flare-nut Connection(with Flare Nuts)							
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8
	Gas		mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ15.88	Φ15.88	Φ15.88
			inch	3/8	3/8	3/8	3/8	1/2	5/8	5/8	5/8
	Condensate Drain		–	O.D. 22							
Weight	Net Weight		kg	9.5	9.5	9.5	9.5	13.0	14.4	14.4	14.4
	Gross Weight		kg	13.4	13.4	13.4	13.4	17.8	19.4	19.4	19.4
Demensions	External Dimension	H	mm	270	270	270	270	315	315	315	315
		W	mm	845	845	845	845	960	1120	1120	1120
		D	mm	203	203	203	203	230	230	230	230
	Packaging Dimension	H	mm	375	375	375	375	430	430	430	430
		W	mm	943	943	943	943	1058	1223	1223	1223
		D	mm	310	310	310	310	328	328	328	328

Notes:

1. The rated capacity is based on 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 diference: 0m.
   Heating conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB, 6℃ WB, pipe length: 7.5m, pipe height diference: 0m.
2. The above noise values are measured in an anechoic chamber so that reflected sound should be taken into consideration during actual operation.
   The above noise values are measured under the fan mode operation, and measured at a point 1m in front of the unit and 0.8m below the unit.

Ceiling & Floor Type

Sleek Smooth Design

Shiny white cover panel of the unit has an streamlined elegant aesthetic. The bolts and nuts used to secure the unit onto wall or ceiling are designed to be concealed in the unit for a sleek room interior look.

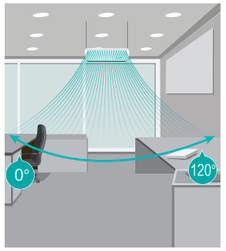
Flexible Installation

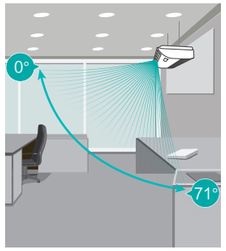
The unit can be installed to be standing on floors or hanging on ceilings. Whereby interior walls maximized to display items, can hang the unit on the ceiling.

Hanging on the wall　　Standing on the floor

Wide Air Supply

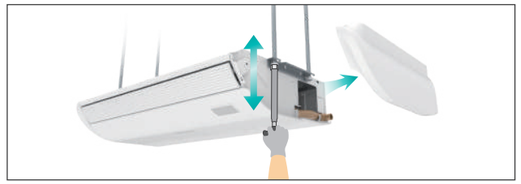
Louvers are consist of horizontal and vertical flaps to cover larger coverage area to the edges of any rooms. Wider opening angle from up to 120° for vertical louvers and up to 71 ° for horizontal louvers supplies air further and lower down to floor.





Convenient Installation and Maintenance

Adjust the ceiling or wall mounting height by just opening the side panels without the need to access the internal parts. Service manholes are unnecessary due to the strategic repositioning of piping connections and electrical box behind the air return panel.



Model			AVV-17URSCA	AVV-18URSCA	AVV-22URSCA	AVV-24URSCA	AVV-27URSCB	AVV-30URSCB	AVV-38URSCB	AVV-48URSCC
Power Supply			AC 1Φ, 220V~240V/50Hz/60Hz							
Capacity	Cooling	kW	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2
		Btu/h	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500
	Heating	kW	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3
		Btu/h	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600
Power Input	Cooling	W	40	40	70	70	70	80	130	160
	Heating	W	40	40	70	70	70	80	130	160
Sound Pressure	Ceiling	dB(A)	39/35/30	39/35/30	45/41/37	45/41/37	43/39/34	45/40/36	51/46/40	50/46/42
	Floor	dB(A)	43/38/35	43/38/35	48/44/40	48/44/40	46/41/37	48/43/39	54/49/43	55/50/46
Airflow Rate		m^3/min	13.0/11.0/9.0	13.0/11.0/9.0	16.1/14.0/11.3	16.1/14.0/11.3	18.2/15.2/12.2	19.4/16.3/13.3	24.8/20.5/16.3	33.0/28.0/23.0
Speed-up Setting HH1		m^3/min	14.2	14.2	17.8	17.8	19.8	21.2	27.0	36.0
Speed-up Setting HH2		m^3/min	16.0	16.0	20.0	20.0	22.3	23.5	29.2	37.4
Panel Colour		–	Neture White							
Piping	Connection Type	–	Flare-nut Connection (with Flare Nuts)							
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53
		inch	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88
		inch	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain	mm	I.D.32							
Weight	Net Weight	kg	31	31	32	32	39	40	41	47
	Gross Weight	kg	38	38	39	39	46	47	48	56
Dimensions	External	H mm	230	230	230	230	230	230	230	230
		W mm	990	990	990	990	1285	1285	1285	1580
		D mm	680	680	680	680	680	680	680	680
	Packaging	H mm	340	340	340	340	340	340	340	340
		W mm	1110	1110	1110	1110	1400	1400	1400	1690
		D mm	830	830	830	830	830	830	830	830

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters　Piping Lift: 0 Meter
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
   Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
2. The sound pressure level is based on the following condations:
   1.0m beneath the unit, 1.0m from Discharge Grille.
   The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field. When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

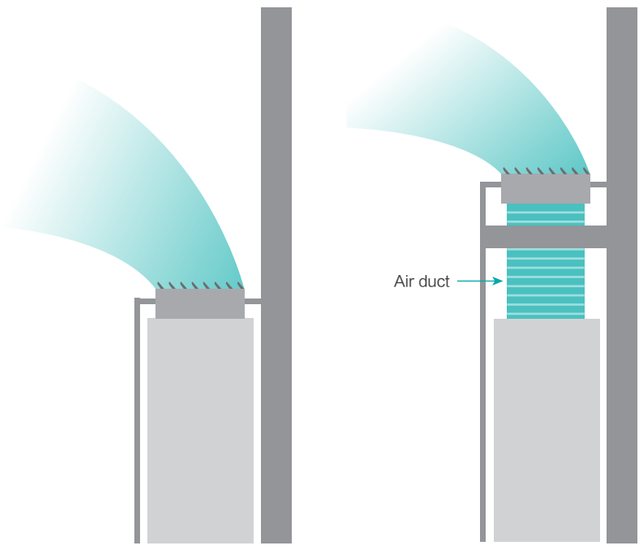
Floor Concealed Type

Space Saving

Floor concealed units are designed to be installed on floors completely concealed into the walls which designed to be slim and compact with only height of 620mm to be hidden under half-heighted windows.

Adjustable Static Pressure and Flexible Installation

With 2-level external static pressure adjustable, project design and installation are more flexible. Users can choose the air duct to increase the air supply distance in order to achieve the completely concealed installation.



Model			AVH-09UXCSAA	AVH-14UXCSAA	AVH-18UXCSBA	AVH-24UXCSBA
Power Supply			AC 1Φ, 220V~240V/50Hz			
Model			AVH-09UX2SAA	AVH-14UX2SAA	AVH-18UX2SBA	AVH-24UX2SBA
Power Supply			AC 1Φ, 220V/60Hz			
Capacity	Cooling	kW	2.8	4.3	5.6	7.1
		Btu/h	9,600	14,700	19,100	24,200
	Heating	kW	3.3	4.9	6.5	8.5
		Btu/h	11,300	16,700	22,200	29,000
Power Input	Cooling	W	50	80	90	120
	Heating	W	50	80	90	120
Sound Pressure		dB(A)	34/31/27	40/36/34	41/36/32	44/40/36
Airflow Rate		m^3/min	8.5/7.5/6.3	10.3/9.0/8.0	14.8/12.3/10.5	16.3/13.8/11.8
Piping	Connection Type	–	Flare-nut Connection (with Flare Nuts)			
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 9.53
		inch	1/4	1/4	1/4	3/8
	Gas	mm	Φ 12.70	Φ 12.70	Φ 15.88	Φ 15.88
		inch	1/2	1/2	5/8	5/8
	Condensate Drain	mm	I.D.32			
Weight	Net Weight	kg	18	22	26	27
	Gross Weight	kg	30	31	37	37
Dimensions	External	H mm	620	620	620	620
		W mm	948+139	948+139	1218+139	1218+139
		D mm	202	202	202	202
	Packaging	H mm	675	675	675	675
		W mm	1160	1160	1430	1430
		D mm	240	240	240	240

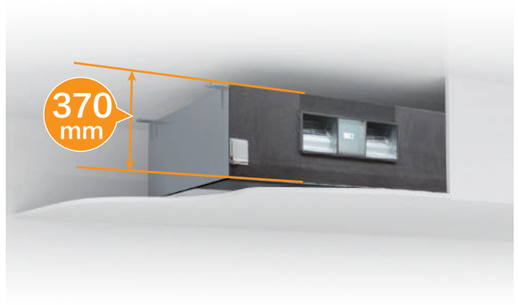
Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20℃ DB (68°F DB)
   Outdoor Air Inlet Temperature: 7℃ DB (45°F DB), 6℃ WB (43°F WB)
2. The sound pressure level is based on the following conditions:
   1.5m meters from the unit and 1.5m meters from floor level.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

All Fresh Air Indoor Unit

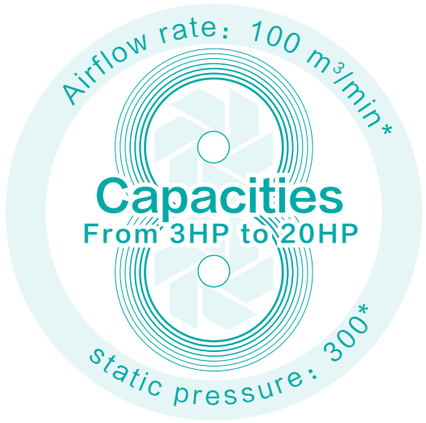
Space Saving

Fresh air unit consising of height of 370mm only requires small amount of ceiling space and fits into complicated kitchen ceilings with various exhaust duct connections.



Larger Airflow Rate & Static Pressure Options

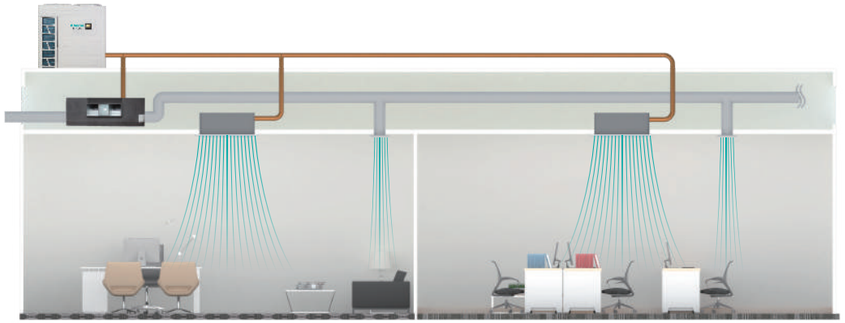
The total amount of fresh air units could be reduced with larger capacity, large airflow rate per unit. With the reduced amount of units, fresh air ducts often need to be supply to the furthest room. Hence achievable with high static pressures offered.



*Note: only specific model can reach this figure.

Simple & Flexible Piping System

Fresh air from the units could be pre-cooled connecting to the same refrigerant systems with other indoor units, introducing cooled or warm fresh air directly without overburdening other fan coil units.



All Fresh Air Indoor Unit

Model				AVA-30UX CSCH-70	AVA-48UX CSQH-108	AVA-76UX CSRH-168	AVA-96UX CSRH-210	AVA-114UX 6SRH-300	AVA-154UX 6SSH-400	AVA-190UX 6STH-500	AVA-190UX 6STH-600
Power Supply				AC 1Φ, 220V~240V/50Hz				AC 3Φ, 380V~415V/50Hz			
Model				AVA-30UX 2SCH-70	AVA-48UX 2SQH-108	AVA-76UX 2SRH-168	AVA-96UX 2SRH-210	–			
Power Supply				AC 1Φ, 220V/60Hz				–			
Capacity	Cooling		kW	9.0	14.0	22.4	28.0	33.5	45.0	56.0	56.0
			Btu/h	30,700	47,800	76,500	95,600	114,300	153,600	191,100	191,100
	Heating		kW	8.6	13.7	21.9	24.5	26.8	36.0	44.8	44.8
			Btu/h	29,400	46,800	74,700	83,600	91,500	122,900	152,900	152,900
Power Input	Cooling		W	150	330	490	510	740	1120	1330	1620
	Heating		W	150	330	490	510	740	1120	1330	1620
Sound Pressure			dB(A)	32	43	45	46	56	61	64	66
Airflow Rate			m³/min	11.0	18.0	28.0	35.0	50.0	66.7	83.3	100.0
External Static Pressure			Pa	60(120)	200	220	220	220	300	320	300
Piping	Liquid		mm	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 12.70	Φ 12.70	Φ 15.88	Φ 15.88
			inch	3/8	3/8	3/8	3/8	1/2	1/2	5/8	5/8
	Gas		mm	Φ 15.88	Φ 15.88	Φ 19.05	Φ 22.20	Φ 25.40	Φ 25.40	Φ 28.60	Φ 28.60
			inch	5/8	5/8	3/4	7/8	1	1	1-1/8	1-1/8
	Condensate Drain		mm	I.D.32					RC1 (Internal Screw)		
Weight	Net Weight		kg	46	60	97	97	97	196	222	222
	Gross Weight		kg	51	64	117	117	117	240	267	267
Dimensions	External	H	mm	370	370	486	486	486	635	735	735
		W	mm	920	1320	1270	1270	1270	1950	1950	1950
		D	mm	800	800	1069	1069	1069	805	805	805
	Packaging	H	mm	390	390	540	540	540	816	916	916
		W	mm	1112	1512	1466	1466	1466	2213	2213	2213
		D	mm	922	922	1290	1290	1290	1006	1006	1006
Temperature Range of Fresh Air			–	Cooling: 20℃~43℃, Heating: -5℃~15℃							

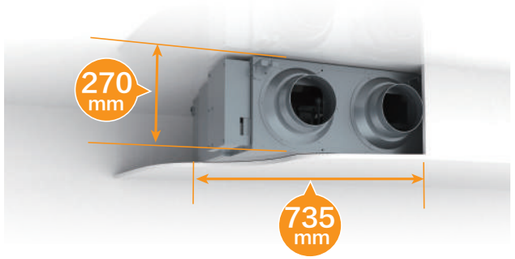
Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions:
   Cooling operation conditions: 33℃ DB, 28℃ WB, piping length: 7.5m, piping lift: 0m.
   Heating operation conditions: 0℃ DB, -2.9℃ WB, piping length: 7.5m, piping lift: 0m.
   (Heating capacity is tested when defrosting is not available)
2. The sound pressure level is based on following conditions: 1.5m beneath the unit.
   The above data was measured in an anechoic chamber so that refl ected sound should be taken into consideration in the fled.
3. The unit shall be connected to the outdoor unit. In case of connecting the fresh air indoor unit with other types of indoor units in the same refrigerant system, please calculate the capacity of the unit as 46.1KBtu/h (30.7KBtu/h), 71.7KBtu/h (47.8KBtu/h), 143.3KBtu/h (95.6KBtu/h).
4. When the outdoor unit is connected only with all fresh air indoor unit, the configuration rate is 100%.
5. Under cooling mode,when outdoor temperature is lower than 20℃, the system will automatically shift to ventilation operation;
   Under heating mode, when outdoor temperature is higher than 15℃ the system will automatically shift to ventilation operation;
   In case inlet temperature is below -5℃, all fresh air unit will stop.

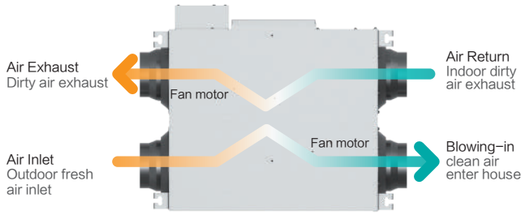
Heat Recovery Ventilator

Compact Body, Convenient Installation

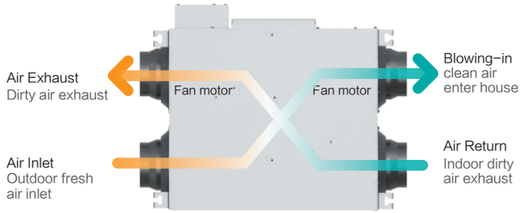
Its compact design facilitates easy installation in narrow ceil-ings. With a width of only 735mm, the unit (HKF/50C1EC) is perfect for the tight ceiling spaces.



Airflow System



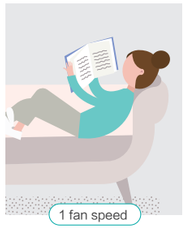
HKF-80~100C1EC

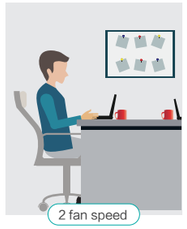


HKF-50C1EC, HKF-150~300C1EE

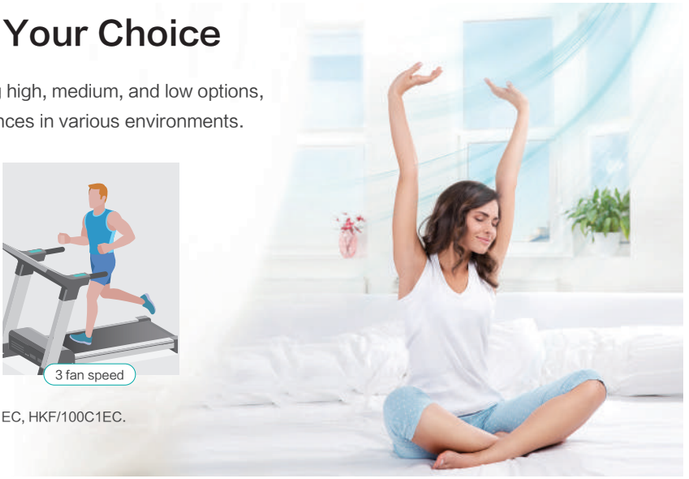
3-level Fan Speed for Your Choice

The three-level fan speed adjustment, offering high, medium, and low options, provides flexibility to cater to individual preferences in various environments.


1 fan speed


2 fan speed

3 fan speed



*This feature is available for the unit HKF/50C1EC, HKF/80C1EC, HKF/100C1EC.

Low Noise

The unit features a low-noise fan, optimal internal silencer, and air channels, significantly reducing operation noise to 26.5dB(A)*. Additionally, a static pressure adjustment plate on the exhaust side optimizes outdoor static pressure, further minimizing the noise.

* The noise level under the low airflow speed for the unit HKF/50C1EC can achieve 26.5dB(A).

Heat Recovery Ventilator

Intelligent Control

The unit can be easily connected to the central control system through the dedicated converter* , enabling centralized control alongside the air-conditioning system.

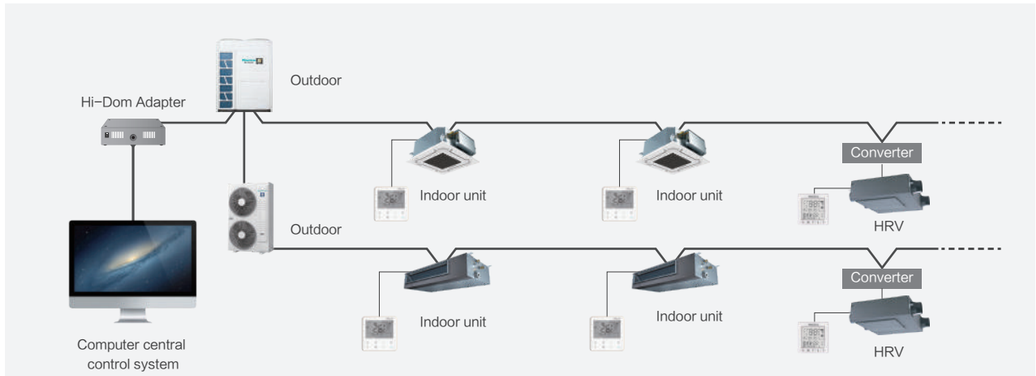
* For central control requirements, please contact our technical engineers regarding the converter.

Features

- Large LED screen display
- Temp. and fan speed display
- Fan speed setting
- Timer

- Fan adjust
- Function
- ON/OFF
- Mode setting

Wired Controller HYXE-KC01



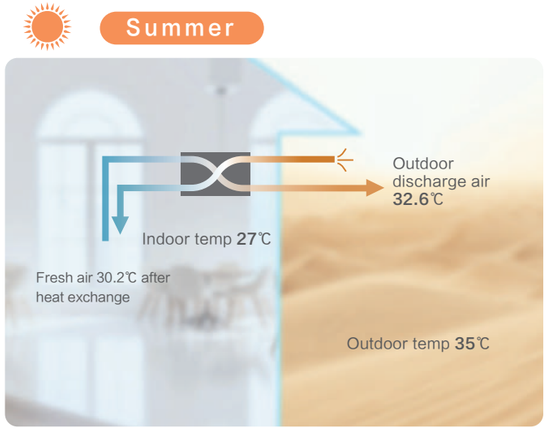
High-efficiency Heat-exchange Core

The hexagonal high-efficiency counterflow heat exchanger core adopts ultra-thin high-performance heat transfer membrane and an integrated optimized flow channel, which extends the time of the heat exchange, thereby improving the heat exchange efficiency. It effectively processes the temperature and humidity of the outdoor fresh air to a level close to the indoor air condition, thereby reducing air conditioning energy consumption.

Note: The unit HKF/50C1EC is equipped with a hexagonal heat exchanger.

Energy Saving Analysis

During the summer, the indoor air at 27℃ is exhausted and passes through the heat exchanger core. This process precools the outdoor air from 35℃ to 30.2℃, which is then introduced into the indoor space as fresh air, as shown in the diagram. The air conditioning system only needs to further cool this air by 3.2℃ to maintain a comfortable indoor temperature. Taking the HKF-50C1EC as an example, the air flow is 500m³/h, heat recovery efficiency is 60%, and enthalpy exchange efficiency is 63%.



Inlet fresh air

	HRV	Fan
Dry bulb temp.	30.2	35
Wet bulb temp.	22.9	28
Moisture content	14.7	21.1
Relative humidity	54.5	59.1
Enthalpy	68	89.4
Cooling recovery	1.76	0
Heat load	2.8	2.8

Air conditioning — Indoor air

Dry bulb temp.	27
Moisture content	19.5
Relative humidity	49.8
Enthalpy	55.5

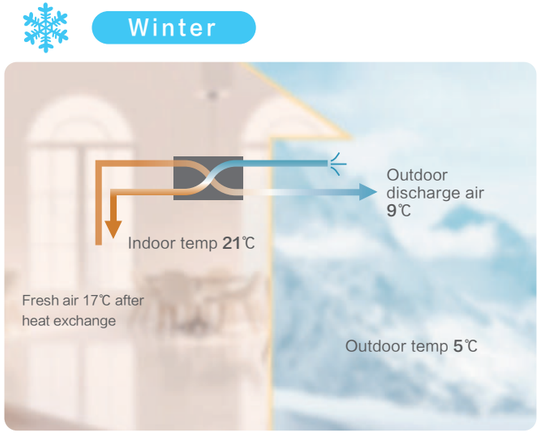
Outdoor Air

Dry bulb temp.	35
Wet bulb temp.	28
Relative humidity	59.1
Enthalpy	89.4

Exhause air

HRV VS Traditional Fan

During the winter, the indoor air at 21℃ is exhausted and passes through the heat exchanger core. This process preheats the outdoor air from 5℃ to 17℃, which is then introduced into the indoor space as fresh air, as shown in the diagram. The air conditioning system only needs to further heat this air by 4℃ to maintain a comfortable indoor temperature. Taking the HKF-50C1EC as an example, the air flow is 500m³/h, heat recovery efficiency is 80%, and enthalpy exchange efficiency is 70%.



Inlet

	HRV	Fan
Dry bulb temp.	17.8	5
Wet bulb temp.	10.16	2
Moisture content	4.5	6
Relative humidity	36	58.5
Enthalpy	29.4	12.9
Heating recovery	1.4	0
Heat load	2	2

Air conditioning — Indoor air

Dry bulb temp.	21
Moisture content	13
Relative humidity	39.2
Enthalpy	36.5

Outdoor Air

Dry bulb temp.	5
Wet bulb temp.	2
Relative humidity	58.5
Enthalpy	12.9

Exhause air

HRV VS Traditional Fan

800~1000m³/h | 1500~2000m³/h | 2500~3000m³/h

Model (HKF/*)				50C1EC	80C1EC	100C1EC	150C1EE	200C1EE	250C1EE	300C1EE
Power Supply				AC 1Φ, 220V/50Hz			AC 3Φ, 380V/50Hz			
Air Flow		High	m³/h	500	800	1000	1500	2000	2500	3000
		Medium	m³/h	300	600	750	—	—	—	—
		Low	m³/h	180	400	500	—	—	—	—
ESP	Fresh Air Static Pressure	High	Pa	80	130	165	180	160	180	200
		Medium	Pa	70	100	120	—	—	—	—
		Low	Pa	40	80	60	—	—	—	—
	Exhaust Air Static Pressure	High	Pa	80	130	165	180	160	180	200
		Medium	Pa	70	100	120	—	—	—	—
		Low	Pa	40	80	60	—	—	—	—
	Fresh Air Available Pressure	High	Pa	80	130	165	180	160	200	228
		Medium	Pa	70	100	120	—	—	—	—
		Low	Pa	40	80	60	—	—	—	—
	Exhaust Air Available Pressure	High	Pa	80	130	165	180	160	200	228
		Medium	Pa	70	100	120	—	—	—	—
		Low	Pa	40	80	60	—	—	—	—
Sound Pressure Level		High	dB(A)	38.5	40	43	46	47	51	52
		Medium	dB(A)	33.5	38	41	—	—	—	—
		Low	dB(A)	26.5	34	38	—	—	—	—
Enthalpy Exchange Efficiency	Cooling	High	%	63	57	57	56	56	56	57
		Medium	%	63	57	57	—	—	—	—
		Low	%	65	59	58	—	—	—	—
	Heating	High	%	69	66	66	65	65	64	63
		Medium	%	69	66	66	—	—	—	—
		Low	%	71	68	68	—	—	—	—
Heat Exchange System			–	Air-to-air cross flow heat recovery (sensible heat + potential heat)						
Heat Exchange Part				Ventilation high efficiency all-in-one heat exchange core						
Operation Current		High	A	1.42	2.02	4.88	2.13	2.59	2.92	4.7
		Medium	A	0.95	1.88	4.3	—	—	—	—
		Low	A	0.67	1.72	3.47	—	—	—	—
Input Power		High	W	313	422	1020	1050	1550	1440	2320
		Medium	W	204	392	900	—	—	—	—
		Low	W	140	360	726	—	—	—	—
Net Size (L×H×W)			mm	1112×270×735	1115×390×1135	1115×390×1135	1500×540×1200	1550×540×1400	1610x600x1330	1700×640×1500
Package Size (L×H×W)			mm	1220×380×1060	1330×545×1210	1330×545×1210	1660×690×1345	1710×710×1545	1770×765×1470	1790×818×1590
Flange Dimensions	Air Inlet		mm	Φ194	Φ242	Φ242	320×300	320×300	365×275	365×275
	Air Outlet		mm				320×300	320×300	500×350	500×350
Net Weight			kg	52	72	79	126	172	185	222
Gross Weight			kg	61	93	92	149	177	189	240
Operation Range			–	-10~52℃(DB), 85%RH or lower						

AHU Connection KIT

The Hisense AHU-kit integrates external heat exchangers of Air-handing units (AHU) into a Hisense VRF system to provide more flexible air conditioning solutions.

Main Function

- ON/OFF Control
- Temperature Setting
- Capacity Demand
- Operation Mode

Communication wire　Sensor signal　Refrigerant pipe

*The wired controller HYXE-VA01A is standard.

AHU Connection KIT

AHU kit can provide 3 kinds of control type for AHU application: Inlet air temperature control, outlet air temperature control and duty signal control.

Capacity Control Mode	Set Temperature by Remote Controller	Set ODU Capacity Range
Inlet Air (room air) Temperature Control	Cooling: 16~32 ℃ Heating: 16~32 ℃	—
Outlet Air Temperature Control		
Duty Signal Control (0~10V or 0~5V or 4~20mA)	—	15%~100%

AHU Connection KIT			HZX-2 BEJ	HZX-4 BEJ	HZX-6 BEJ	HZX-10 BEJ		HZX-20 BEJ					HZX-30 BEJ				
Power Supply			AC 1Φ, 220V~240V/50Hz/60Hz														
Nominal Capacity of AHU		kBtu/h	19	36	54	76	96	114	132	154	170	190	212	232	250	272	287
Allowed Heat Exchanger Capacity (H/M/L)	Cooling	kW	5.6	11.2	16.0	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	69.0	73.0	80.0	85.0
		kW	5.0	9.0	14.0	20.0	25.0	30.0	35.0	43.0	48.0	52.0	58.0	65.0	71.0	76.0	82.0
		kW	4.0	7.1	11.2	16.0	20.0	28.0	33.5	40.0	45.0	50.0	56.0	61.5	69.0	73.0	80.0
	Heating	kW	7.1	12.5	18.0	25.0	31.5	37.5	45.0	50.0	56.0	63.0	69.0	77.5	82.5	90.0	95.0
		kW	5.6	10.0	16.0	22.4	28.0	33.5	40.0	47.5	53.0	60.0	66.0	75.0	79.0	86.0	92.0
		kW	4.5	8.0	12.5	17.9	22.4	31.5	37.5	45.0	50.0	56.0	63.0	69.0	77.5	82.5	90.0
Heat Exchanger Volume	Min	dm^3	0.57	1.03	1.92	2.92	3.89	4.76	5.85	6.79	7.57	8.47	9.04	9.50	10.39	11.39	12.36
	Max	dm^3	1.16	2.37	2.92	3.89	4.76	5.91	6.89	8.00	8.92	9.97	11.13	12.34	12.89	13.86	14.73
Equivalent Indoor Unit Capacity		kBtu/h	19	36	54	76	96	114	132	154	170	190	212	232	250	272	287
Net Weight		kg	7.1	7.1				7.2					9.2				
Gross Weight		kg	11.7	11.8				11.9					15.4				
Package Dimension (H × W × D)		mm	350 × 510 × 450										460 × 510 × 450				
Control Box	Model		HZX-BEJ/1														
	Outer Dimension(H × W × D)		112 × 419 × 349														
Expansion Valve Box	Model		HZX-2 BEJ/2	HZX-4 BEJ/2	HZX-6 BEJ/2	HZX-10 BEJ/2		HZX-20 BEJ/2					HZX-20 BEJ/2 (2 sets)				
	Outer Dimension(H × W × D)		61 × 437 × 166										61 × 437 × 166(2 sets)				

Operation conditions		Cooling	Heating
Indoor air inlet temperature	DB	27.0℃	20.0℃
	WB	19.0℃	–
Outdoor air inlet temperature	DB	35.0℃	7.0℃
	WB	–	6.0℃

DB: dry bulb; WB: wet bulb

Pipe Length: 7.5m; pipe height: 0m

Overview

Model	Wired Controller HYXM-VB01A	Wired Controller HYXE-VC01	Wired Controller HYXE-VA01A	Wired Controller HYXM-VG01	Wired Controller HYXE-S01H	Wireless Controller HYE-VD01
Picture						
Max. connectable indoor units	6	6	16	16	16	—
Power supply	15V	15V	15V	15V	15V	3V
Dimension(mm)	86*90	86*86	120*120	120*120	120*70	178.6*47.8
Cool/Heat/Fan/Auto/Dry	●	●	●	●	●	●
Auto dehumidification(humidity sensor)	●	●	●	●	●	×
Fan speed	●	●	●	●	●	●
Louver setting	●	●	●	●	●	●
Temperature setting	●	●	●	●	●	●
Operation monitoring	●	●	●	●	●	×
Timer	●	●	●	●	●	●
7-day timer	●	×	×	●	×	×
Holiday setting	●	×	×	●	×	×
Main-sub connection	●	●	●	×	×	×
Main-sub control	×	×	×	●	×	×
Change indoor address	●	●	●	●	×	×
Check function	●	●	●	●	●	×
Option setting	●	●	●	●	●	×
Air filter cleaning reminding	●	●	●	●	●	×
Error code display	●	●	●	●	●	×
Auto test run	●	●	●	●	●	●
Indoor/outdoor PCB checking	●	●	●	●	●	×
Self diagnostic function	●	●	●	●	●	●
Back light	●	●	●	●	●	●
Built-in temperature sensor	×	●	●	●	×	●
Wireless control available	●	●	×	●	×	—
Individual louver control	●	●	●	●	×	●
Breeze mode	●	●	●	●	×	×
Motion sensor	●	×	●	●	×	×
Health(Airpure)	●	●	●	●	×	●
High-temp sterilization	×	×	×	●	×	×
Hi-Motion	●	×	×	●	×	×
ECO (energy saving)	●	●	●	●	×	●
Quiet (Indoor unit)	●	●	●	●	●	●
Sleep(Indoor unit)	●	●	●	●	×	●
Window interlock	●	●	●	●	×	×
Key card	●	●	●	●	×	×
3D-air flow	●	●	●	●	×	●
Child lock	●	●	×	●	×	×
Self cleaning	●	●	●	●	×	●
Auto changeover	×	×	×	●	×	×
Dynamic ESP	×	●	×	●	×	×
Outlet air temp limit	×	●	×	●	×	×

Remarks: Available: ● Unavailable: ×

Type		Wired Controller					Wireless Controller
	Model	HYXM-VB01A	HYXE-VC01	HYXM-VG01	HYXE-VA01A	HYXE-S01H	HYE-VD01
	Picture						
Indoor Unit	4-Way Cassette	○	○	○	○	○	○
	Mini 4-Way Cassette	○	○	○	○	○	○
	1-Way Cassette	○	○	○	○	×	○
	2-Way Cassette	○	○	○	○	×	○
	Ceiling Ducted Type (AC/DC)	○	○	○	○	○	○
	Ceiling Ducted Type (High/Low)	○	○	○	○	○	○
	Console	○	○	○	○	○	●
	Wall Mounted Type	○	○	○	○	○	●
	Ceiling & Floor Type	○	○	○	○	○	●
	Floor Concealed Type	○	○	○	○	×	○
	All Fresh Air	○	○	○	○	○	○
	Heat Recovery Ventilator	○	●	○	○	○	×
	AHU Kit	○	○	○	●	×	×

Type		Receiver Kit				Centralized Controller	ON/OFF
	Model	HYRE-V02H	HYRE-Z01H	HYRE-T03H	HYRE-X01H	HYJM-RA10D	HYJ-J01H
	Picture						
Indoor Unit	4-Way Cassette	×	×	○	×	○	○
	Mini 4-Way Cassette	×	○	×	×	○	○
	1-Way Cassette	×	×	×	○	○	○
	2-Way Cassette	○	×	×	×	○	○
	Ceiling Ducted Type (AC/DC)	○	×	×	×	○	○
	Ceiling Ducted Type (High/Low)	○	×	×	×	○	○
	Console	○	×	×	×	○	○
	Wall Mounted Type	○	×	×	×	○	○
	Ceiling & Floor Type	○	×	×	×	○	○
	Floor Concealed Type	○	×	×	×	○	○
	All Fresh Air	○	×	×	×	○	○
	Heat Recovery Ventilator	×	×	×	×	○	○

Remarks: Standard: ● Optional: ○ Incompatible: ×

Individual Control

Wired Controller

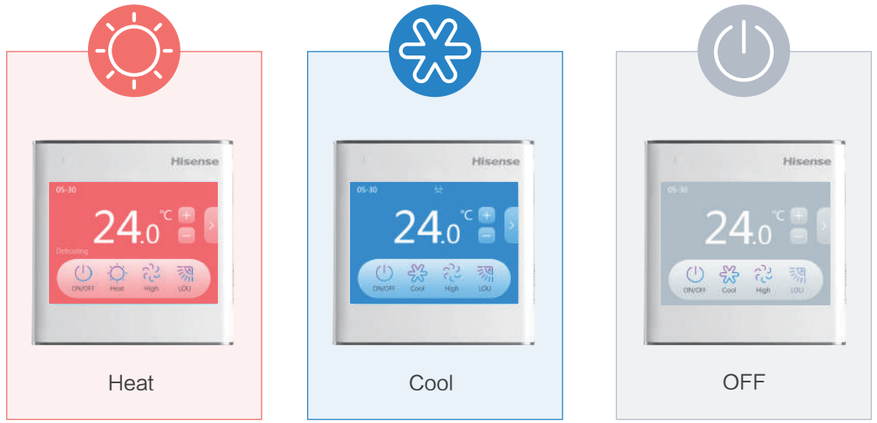
HYXM-VB01A

Mode	Cool/Heat/Auto/Fan/Dry
Timer	24-hour/Weekly schedule/Holiday setting
Maintenance	Error code/Parameter check/Auto test run/ Indoor&Outdoor PCB checking/Self diagnostic function
Louver	Louver setting/Individual louver control/ 3D-air flow
Special function	Breeze mode/Motion sensor/Health/ Hi-Motion/ECO/Quiet/Sleep/Self-cleaning
Fan speed	6
Temperature setting	0.5℃
Main-sub control	•
Air filter cleaning reminding	•
Back light	•
Wireless control available	•

Features

- Size: 86mm × 90mm
- Max. connectable indoor units: 6
- LCD display
- Touch screen
- Language:
  VB01A: English, Turkish, Russian, German, Arabic, spanish
  VB01A#01: English, French, Italian, Dutch, Polish, Thai

Colorful Screen



HYXE-VC01

Mode	Cool/Heat/Auto/Fan/Dry
Timer	24-hour timer
Maintenance	Error code/Parameter check/Auto test run/ Self diagnostic function/Indoor & Outdoor PCB checking/ Air filter cleaning reminding/IDU address setting
Louver	7 Louver setting/3D-air flow/ Individual louver control
Special function	Health/ECO/Quiet/Sleep/Self-cleaning
Fan speed	6
Temperature setting	0.5℃ accuracy/Display the setting temp. or room temp.
Main-sub control	•
Wireless control available	•
Built-in temperature sensor	•

Features

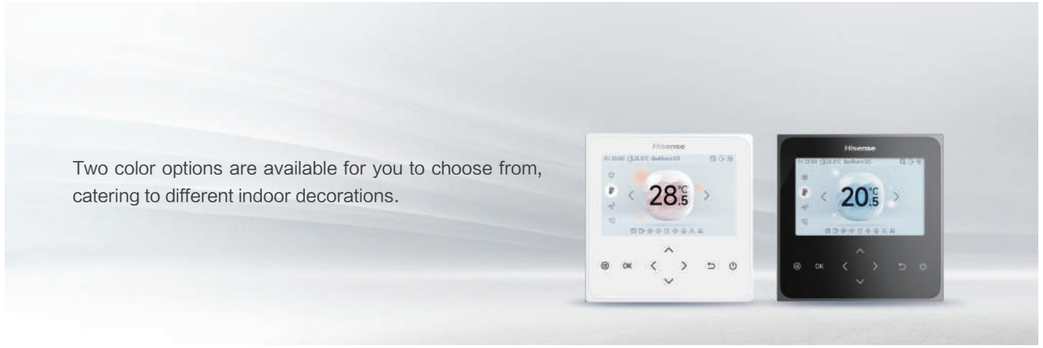
- Size: 86mm × 86mm
- Max. connectable indoor units: 6
- LCD display with back light
- Touch button
- Flat back-cover for easy mounting

HYXM-VG01

Mode	Cool/Heat/Auto/Fan/Dry
Timer	24-hour/Weekly schedule/Holiday setting
Maintenance	Error code/Parameter check/Auto test run/ Indoor&Outdoor PCB checking/Self diagnostic function
Louver	Louver setting/Individual louver control/ 3D-air flow
Special function	Breeze mode/Motion sensor/Health/ Hi-Motion/ECO/Quiet/Sleep
Fan speed	6
Temperature setting	0.5℃
Main-sub control	•
Air filter cleaning reminding	•
Back light	•
Built-in temperature sensor	•
Built-in receiver kit	•

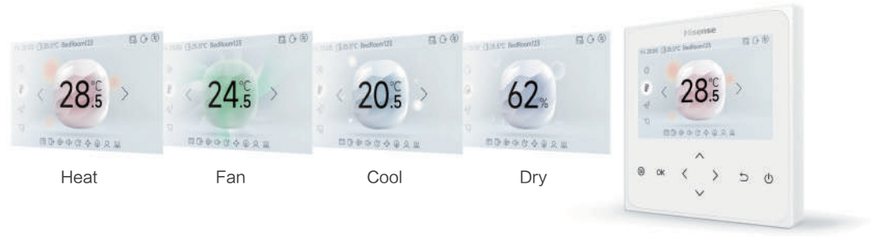
Features

- Size: 120mm × 120mm
- Max. connectable indoor units: 16
- Touch button
- Language:
  Support 11 languages: English, French, German, Italian, Spanish, Dutch, Portuguese, Polish, Turkish, Russian, Arabic



Diverse Display Colors

The colors displayed on the controller are based on the operation mode of indoor units, making it easier for users to get the current information of indoor units at a quick glance.

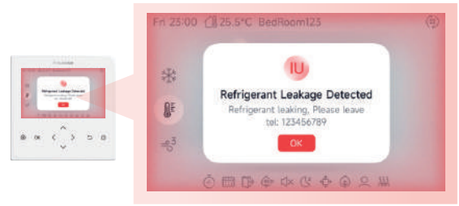


Brand-new Auto Changeover

Auto changeover allows the indoor unit to keep indoor temperature within a certain range by automatically switching the unit operation mode. No need for manual adjustments, our units does it all for you to ensure optimal indoor comfort at all times.

Refrigerant Leakage Alarm

When the refrigerant leaks, an alarm will pop up and the buzzer will sound to make the operation safe and reliable.



HYXE-VA01A

Mode	Cool/Heat/Auto/Fan/Dry
Timer	72-hour
Maintenance	Error code/Parameter check/Auto test run/ Indoor&Outdoor PCB checking/Self diagnostic function
Louver	Louver setting/Individual louver control/3D-air flow
Special function	Breeze mode/Motion sensor/Health/ECO/Quiet/ Sleep/Self-cleaning
Fan speed	6
Temperature setting	0.5℃
Main-sub control	•
Air filter cleaning reminding	•
Back light	•
Built-in temperature sensor	•

Features

- Size: 120mm × 120mm
- Max. connectable indoor units: 16
- LCD display
- Touch button

HYXE-S01H

Mode	Cool/Heat/Auto/Fan/Dry/Quiet
Timer	24-hour
Maintenance	Error code/Parameter check/Auto test run/ Indoor&Outdoor PCB checking/Self diagnostic function
Louver	Louver setting
Fan speed	6
Temperature control	•
Air filter cleaning reminding	•

Features

- Size: 120mm × 70mm
- Max. connectable indoor units: 16
- LCD display
- Touch button

Wireless Controller

HYE-VD01

Mode	Cool/Heat/Auto/Fan/Dry
Timer	24-hour timer
Maintenance	Auto test run/Self diagnostic function/ Identification of adjacent receiver
Louver	Louver setting/3D-air flow*/Individual louver control
Special function	Health/ECO/Quiet/Sleep/Self-cleaning
Fan speed	6
Temperature setting	1℃ accuracy/Display the setting temp. or room temp.
Built-in temperature sensor	•

Features

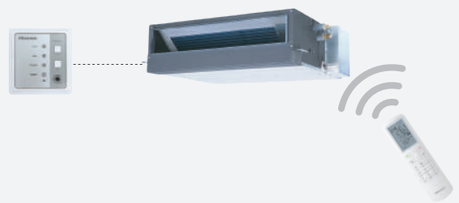
- Size: 178.6mm × 47.8mm
- LCD display with back light

* When used to control 3D air-flow Panels, an additional receiver kit of wireless control will be necessary.

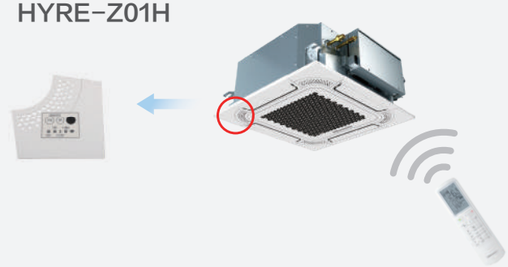
Receiver Kit for Wireless Control-Optional

HYRE-X01H

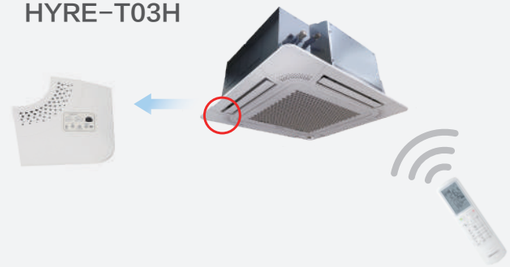
HYRE-V02H



HYRE-Z01H



HYRE-T03H



Centralized Control

Smart Touch II
HYJM-RA10D

Cool/Heat/Auto/Fan/Dry
Remote control with web access
Support rotation operation setting
Weekly/Holiday timer
Error reminder email
External input/Output function
ECO/Health/Self-cleaning/Quiet mode setting of the outdoor unit
Support OTA update (remotely) and USB update (locally)

Features

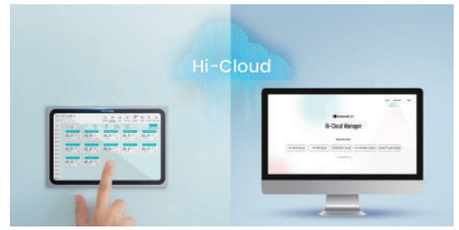
- 10 inch colorful touch screen
- 1280 × 800 High Resolution
- Size: 170mm × 252mm × 37mm
- Connected quantity:
  160 indoor units, 64 outdoor units
- 14 different languages:
  English, French, Spanish, German, Italian, Dutch, Polish, Turkish, Russian, Arabic, Portuguese, Vietnamese, Thai, Chinese

Energy Management

Visualized energy management is available through the Smart Touch II, enabling quick access to electricity consumption data and analysis. Utilizing big data analytics, it also provides energy-saving solutions to help you optimize energy usage efficiently.

Access Remotely with Ease

Users have the flexibility to control the air-conditioning system using either the local Smart Touch II or remote web access.

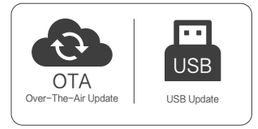


Free Connection

- Max. 4 Smart Touch controllers can be used in one system
- One controller can be connected to max. 160 IDUs, 64 ODUs

Future-proof

Ensure you stay up to date with both remote OTA updates and local USB updates.



Ideal for:
Offices, Schools, Factories, Hospitals, Hotels, Restaurants

ON/OFF Controller
HYJ-J01H

Group control (ON/OFF)
Indoor unit power OFF reminder
Indoor units Auto log in
Error reminder

Features

- Size: 120mm × 120mm
- Max. connectable indoor units: 128
- Max.connectable indoor unit groups: 16
- Touch button

Hi-Cloud Manager

Hisense Intelligent Control Solution

Intelligent Control

What is Hi-Cloud Manager?

Hi-Cloud Manager is the unified access management of Hisense HVAC intelligent control. Users can log in the control web at anytime and anywhere.
Five "Clouds" are embed in the web interface including Hi-Mit Cloud, Smart Touch Cloud, Hi-Dom Cloud, Hi-Checker Cloud, and Distributor Cloud (specially for distrubutors).

Features:

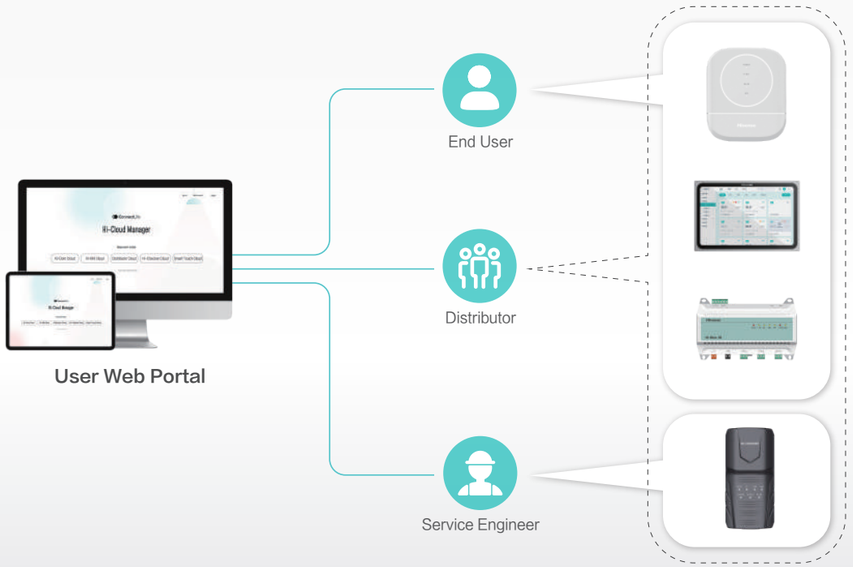
- Centralized remote control
- Overview of key data
- Operation statistics
- Global project map
- Project management
- Regional plane navigation
- Schedule management
- Energy conservation management
- Alarm and message management

URL https://hicloudmanager.hijuconn.com

It's recommended to use the Chrome browser.

Users-friendly

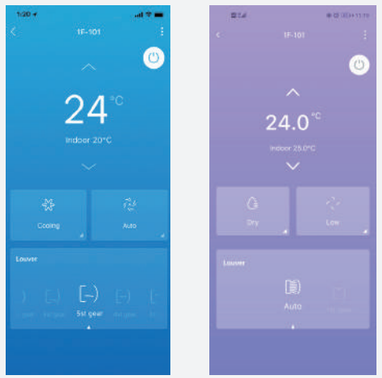
- **End user**
  Create a customized and smart experience.
- **Distributor**
  Upgrade service capabilities for the projects under control.
- **Service engineer**
  Ensure efficient service to improve customers' satification.



Anytime and anywhere, control is in your hands

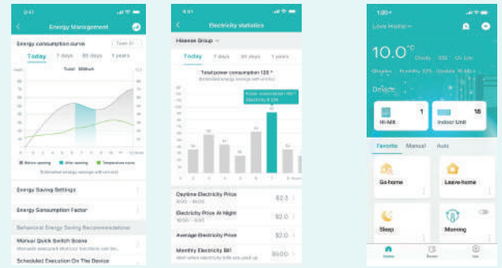
Brand-new Adapter and App

- Stylish appearance and compact body
- Compatible with VRF, hydro box and heat recovery ventilator
- Supporting OTA update
- Simple and intuitive interfaces



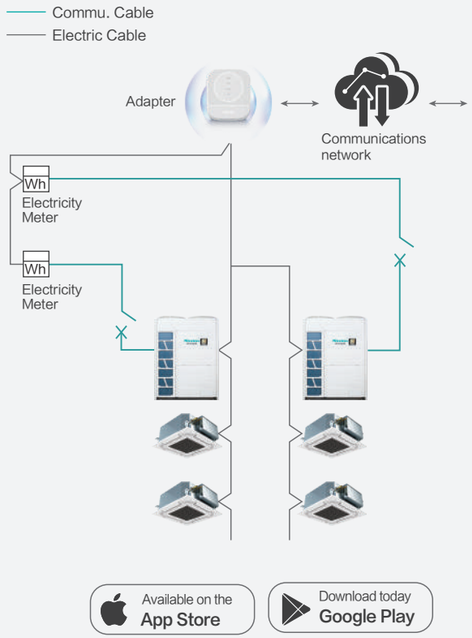
Convenient Control

- 12 languages available
- Energy management
- 2-level permission
- Online repair
- 7x24 schedule setting
- Customized scenes setting



Energy management interface

Customized mode interface



Strong Capability

- Up to 64 IDUs and 64 ODUs can be connected to one Hi-Mit II adapter.
- One user account of APP can control 8 adapters, up to 512 IDUs.

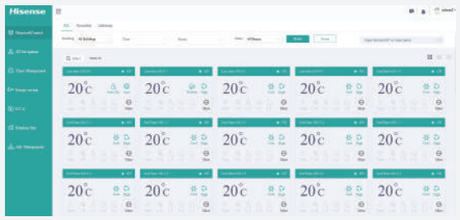
Specifications

Model	Power Supply	Max. Current	Power Input	Dimension	Net Weight
HCCS-H64H2C1M	DC 12V	1A	2.4W	91x117x31mm	0.14kg

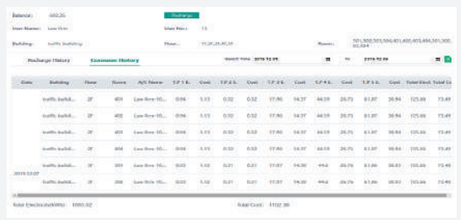
Features

- Remote control available
- Multilevel user management
- AC control (on-off, mode, temp, air flow)
- AC locked control (running forbidden control, the max. and min. temp and cooling/heating locked)
- Running according to timer
- Malfunction history check
- Running record display
- Data synchronize
- Supporting for external I/O
- 2D navigation
- Electricity consumption allocation
- Multiple languages available
- Standard with Modbus RTU port

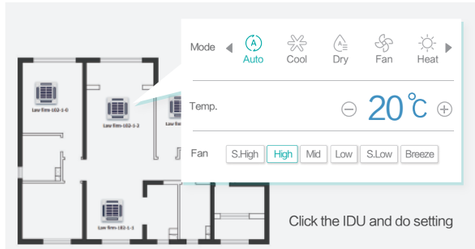
- Humanized interaction interface and comfortable user experience.



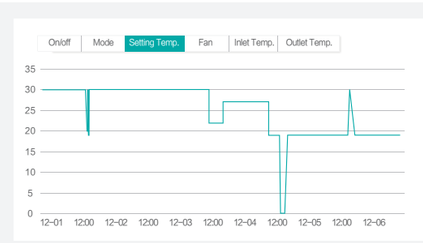
- The electricity consumption allocation makes it easy for users to allocate total electricity consumption among building occupants. Both segmented tariff and single tariff are available.

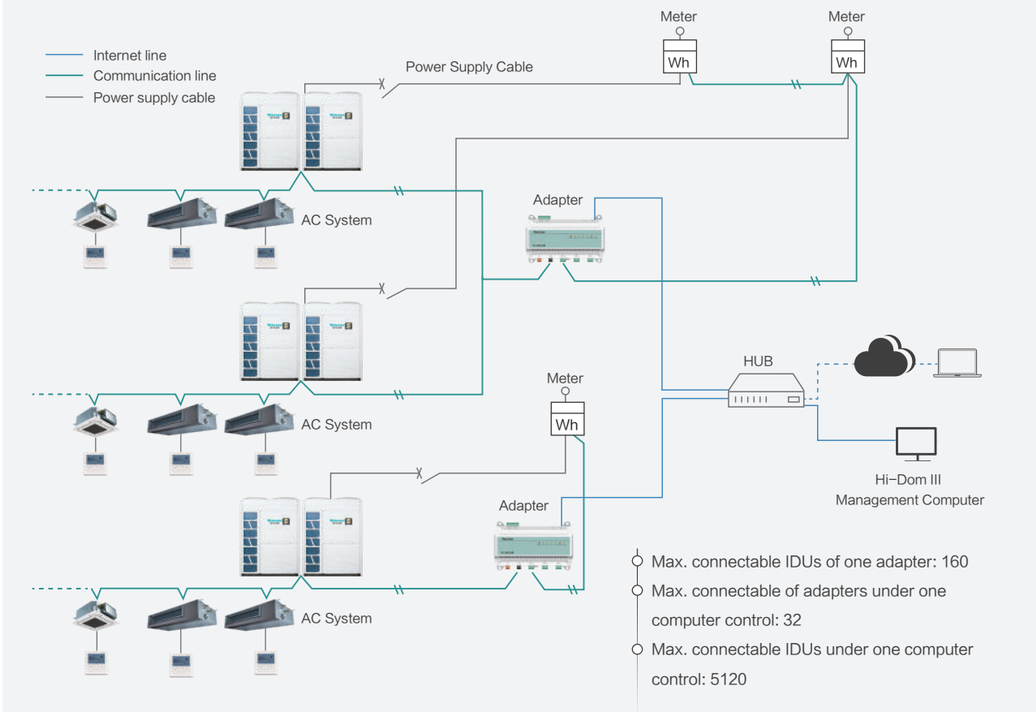


- Thanks to the 2D navigation, users can import floor plans and place indoor units in the corresponding rooms, creating a tailored system schematic. Thus all the indoor units can be monitored and controlled intuitively.



- Support operation history data record like the below picture. Also the operation data can be exported to excel format, convenient for customers to read.





Specifications

	Model	Power Supply	Dimension (LxWxD)	Note
Adapter	HCCS-H160H2C2YM	12V	180x115.4x64.5mm	With electric charging function
	HCCS-H160H2C2NM	12V	180x115.4x64.5mm	Without electric charging function

Intelligent service tool, improves your service

Hi-Checker is a plug and play service tool, with which service engineers can access the system and monitor operation status or data, very convenient for system communication and maintenance. Besides, it features cloud-based management, easy to access operation status remotely.

- Small and Portable Body
- Remote Access
- Black Box Function
- Powerful Charts
- OTA Update

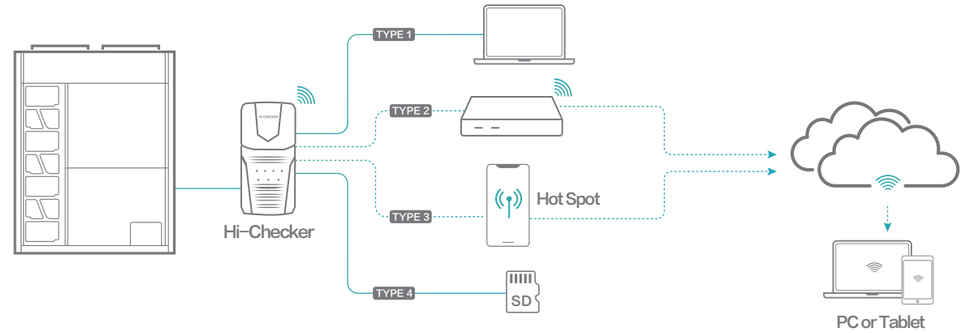
Easy to Use

- Compact size which allows high portability and space saving.
- Capable to slot in a 32G memory card for data collection and storage. Also the memory card and card reader are standard with Hi-Checker.
- Multiple choices of power supply types. It can be powered by the standard adapter (DC 5V), computer or power bank.
- Support OTA update, ensuring the software is always up to date.

Easy to Access

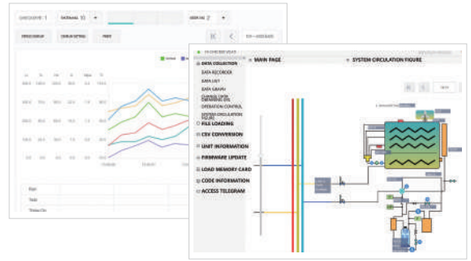
4 Ways to Access the Operation Data

- Conventional connection type. The simplest and reliable way by just connecting the Hi-Checker to your computer directly through USB.
- Internet connection type. Be connected to a stable Wi-Fi signal to achieve operation data and status monitoring anytime and anywhere.
- Hotspot connection type. Be connected to a temporary hotspot signal from the smartphone, allowing the Hi-Checker to remotely monitor the operation data when there is no stable Wi-Fi signal on site.
- SD card storage type. Hi-Checker equipped with SD card can be connected to the air conditioning system all the time, so that all the operation data can be stored in the card for later analysis.



Easy to Understand

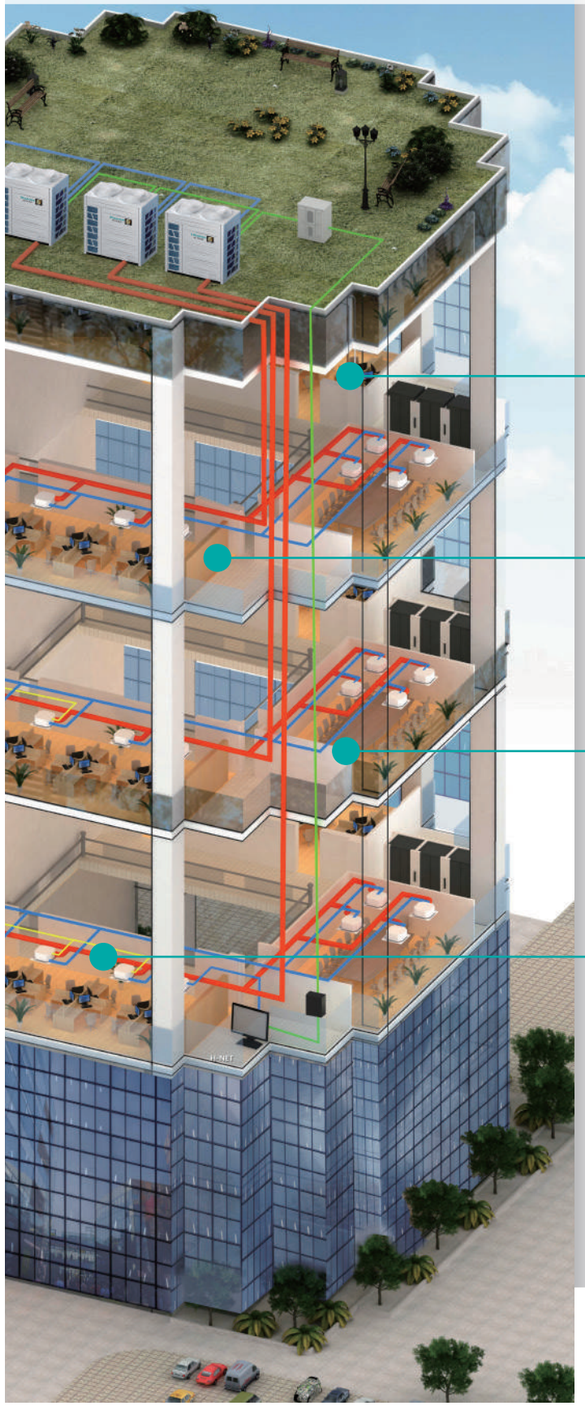
- Powerful and detailed chart analysis on the operation data, allowing users to determine the system condition easily. Together with the smart system diagram, it is interesting and easier for maintenance.
- Users can export the professional report either in .csv or .pdf format, very user-friendly.

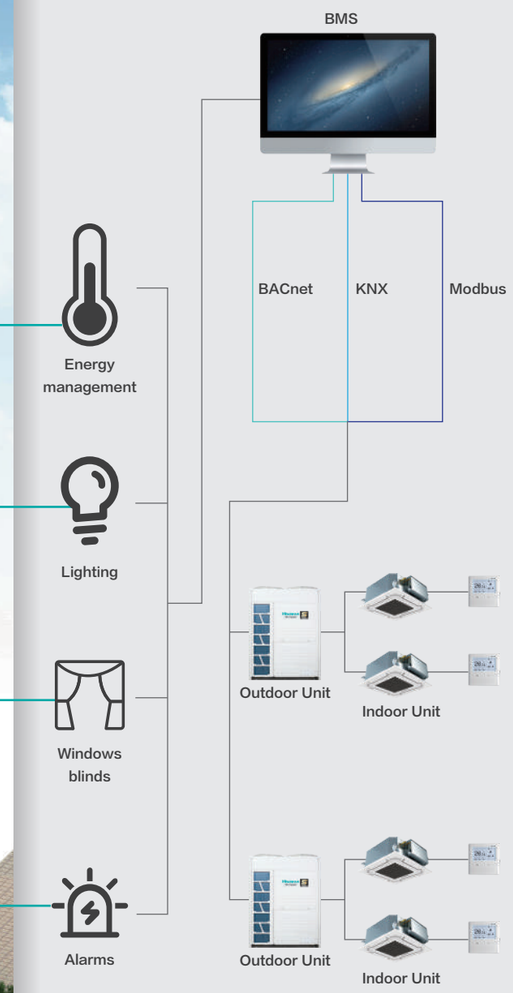


Specifications

Mode	Size (LxWxH)mm	Net Weight (g)	Power Suppy	Connectable IDUs
HCCS-H64H2C2M	138x68x28	130	5V ⎓ 500mA	160

Building Management System





KNX®

KNX gateway	HS-RC-KNX-1i
Power Supply	DC, 29V
Max. Number of Connectable Indoor Units	1
Dimension (H × W × D)	70 × 70 × 28mm

Features

- Standard data point types
- Error code
- Directly control of all indoor units
- Air filter reminder
- Running hours counter

Modbus®

Modbus gateway	HCPC-H2M4C
Power Supply	DC, 12V
Max. Number of Connectable Indoor Units	160
Dimension (H × W × D)	50 × 170 × 220mm

Features

- On-Off setting
- Temperature setting
- Operating mode setting
- Inlet air temperature monitoring
- Airflow setting and monitoring
- All units On-Off control
- Alarm monitoring and code display
- Humidity control

Mini Modbus®

MiniModbus gateway	HCPC-H2M5C
Power Supply	DC, 12V
Max. Number of Connectable Indoor Units	32
Dimension (H × W × D)	27 × 75 × 100mm

Features

- On-Off Setting
- Temperature Setting (0.5℃ adjustment)
- Airflow Setting (Auto/3 or 6 fan speed)
- Humidification control
- Operating Mode Setting
- Inlet Air Temp. Monitoring
- All Units On/Off Control
- Alarm Monitoring and Code Display

BACnet® & KNX®

BACnet & KNX gateway	HCPC-H1KB16	HCPC-H1KB64
Power Supply	DC, 12~36V / 3W or AC, 24V/0.2A/50-60Hz or DC, 24V(Recommended)	
Max. Number of Connectable Indoor Units	16	64
Dimension (H × W × D)	100x115x100mm	100x115x100mm

Features

- Central control of all indoor units
- Indoor unit data monitoring
- Heat/Dry/Fan/Cool/Auto mode
- Control-vane position swing control
- Function prohibition of wired controller

Note: Bacnet®is a registered trademark of American Society of Heating, Refrigerating and Air-conditioning Engineers (ASHRAE).
Modbus®is a registered trademark of Schneider Electric.
KNX®is a registered trademark of Konnex.

Accessories

Hi-Motion

Model	Applicable Models	Picture
HCM-S01E	All types of indoor units	

Motion Sensor

Model	Applicable Models	Picture
HPS-MACN	Mini 4-Way Cassette Type	
HCM-01E	4-Way Cassette Type	

Fresh Air Duct Adapter

Model	Applicable Models	Picture
HFL-56CSA	4-Way Cassette Type and Mini 4-Way Cassette Type	

Humidity Sensor

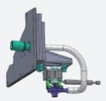
Model	Applicable Models	Picture
HCHR-S01E	4-Way Cassette Type, Console, Ceiling Ducted Type	

Filter

Filter model	Filter Dimension	Frame Dimension	Application Models	Picture
HF-224L-FE	910×432.5mm	1055×463mm	AVD-76UX6SEH/L	
HF-280L-FE	1100×432.5mm	1245×463mm	AVD-76/96HJFH AVD-96UX6SFH/L	

Filter box model	Dimension (L×W×H) mm	Applicable Models	Applicable Filter	Picture
HFB-96LFGDE	1339×384×462	AVD-76/96HJFH	High-efficiency filter:HF-96HFGDE Coarse filter:HF-96LFGDE	

Drain Pump

Model	Applicable Models	Power Supply	Picture		
HPS-F133E	AVD-07~24HJFH / AVD-07-24HCFCH / AVD-07-24HCFCL	220-240V/50Hz	HPS-F133/363/134/364E	HPS-151	 HPS-F8103E
HPS-F363E	AVD-24HJFH1 / AVD-30~54HJFH / AVD-27-54HCFCH / AVD-27-54HCFCL				
HPS-F134E	AVD-07-24H3FCH	208-230V/60Hz			
HPS-F364E	AVD-27-54H3FCH				
HPS-151	All the High/Low Static Pressure Ceiling Ducted Units and All Fresh Air IDU 3-10HP	220-240V/50/60Hz			
HPS-F8103E	AVD-76/96HJFH	220-240V/50/60Hz			

3D Air-flow Panel

Panel Model	Applicable Models	Outer Dimensions (H×W×D)	Picture
HP-CB-NA	Ceiling ducted type (AC low-height) AVE-05/07/09/12*	180×740×70mm	
HP-DB-NA	Ceiling ducted type (AC low-height) AVE-15/17*	180×950×70mm	
HP-EB-NA	Ceiling ducted type (AC low-height) AVE-19/22/24*	180×1220×70mm	

AirPure Kit

Model	Power Supply	Applicable Indoor Units	Picture
HJK-ELZA	AC 1Φ, 220V~240V 50/60Hz	4-Way Cassette Type, Mini 4-Way Cassette Type	
HJK-ELZB	AC 1Φ, 220V~240V 50/60Hz	Ceiling Ducted, Console	

Voltage Protector

Model	Power Supply	Dimension （H×W×D）	Picture
HOPT-EOUPA01	AC 3Φ, 380V~415V/50Hz	295×222×103mm	

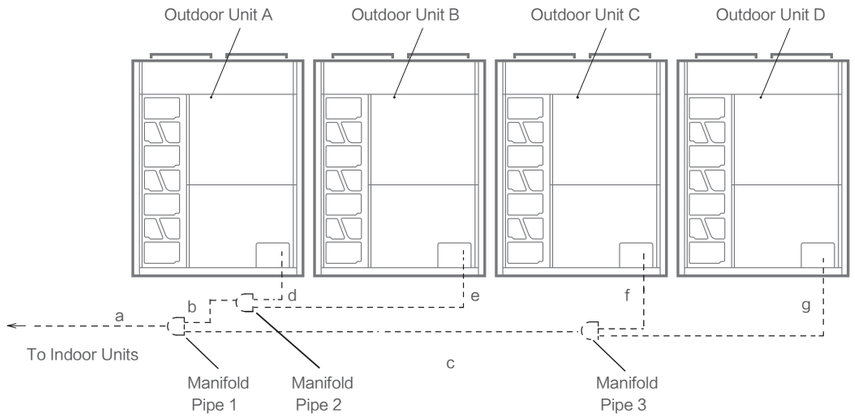
Note: Suitable for Hi-FLEXi S series, S series heat recovery unit and S mavo+ unit.

Piping Connection Kit

There are two types of piping connection kit, non-insulation type and insulation type. The models below are the referenced models without suffix. Please contact with our engineer for detailed model information when ordering.

Manifold Pipe (For outdoor unit)

(Indoor Unit on Left Side)



For S Series Heat Recovery 2 Pipes System

Outdoor Unit	AVWT-290~522FKFSA	AVWT-544FKFSA	AVWT-552~634FKFSA	AVWT-654~794FKFSA	AVWT-816FKFSA	AVWT-824~968FKFSA	AVWT-988~1066FKFSA	AVWT-1088FKFSA
Manifold Pipe1	HFQ-M32F	HFQ-M462F	HFQ-M462F	HFQ-M682F	HFQ-M682F	HFQ-M682F	HFQ-M682F	HFQ-M682F
Manifold Pipe2	-	-	HFQ-M32F	HFQ-M32F	HFQ-M462F	HFQ-M32F	HFQ-M462F	HFQ-M462F
Manifold Pipe3	-	-	-	-	-	HFQ-M32F	HFQ-M32F	HFQ-M462F

For S Series Heat Recovery 3 Pipes System

Outdoor Unit	AVWT-290~344FKFSA	AVWT-360~522FKFSA	AVWT-544FKFSA	AVWT-552FKFSA	AVWT-570~634FKFSA	AVWT-654~794FKFSA	AVWT-816FKFSA	AVWT-824~968FKFSA	AVWT-988~1066FKFSA	AVWT-1088FKFSA
Manifold Pipe1	HFQ-M212F	HFQ-M302F	HFQ-M462XF	HFQ-M462XF	HFQ-M462XF	HFQ-M682XF	HFQ-M682XF	HFQ-M682XF	HFQ-M682XF	HFQ-M682XF
Manifold Pipe2	-	-	-	HFQ-M212F	HFQ-M302F	HFQ-M302F	HFQ-M462XF	HFQ-M302F	HFQ-M462XF	HFQ-M462XF
Manifold Pipe3	-	-	-	-	-	-	-	HFQ-M302F	HFQ-M302F	HFQ-M462XF

For S Series System

Outdoor Unit	AVWT-290~422HKSS	AVWT-444~544HKSS	AVWT-552~634HKSS	AVWT-654HKSS	AVWT-676~816HKSS	AVWT-824~886HKSS	AVWT-908~1088HKSS
Manifold Pipe1	HFQ-M32F	HFQ-M462F	HFQ-M462F	HFQ-M682F	HFQ-M682F	HFQ-M682F	HFQ-M682F
Manifold Pipe2	-	-	HFQ-M32F	HFQ-M32F	HFQ-M462F	HFQ-M462F	HFQ-M462F
Manifold Pipe3	-	-	-	-	-	HFQ-M32F	HFQ-M462F

For S mavo+ Series System

Outdoor Unit	AVWT-290~422HKFSEA	AVWT-444~544HKFSEA	AVWT-552~634HKFSEA	AVWT-654~696HKFSEA	AVWT-714~816HKFSEA	AVWT-824~886HKFSEA	AVWT-908~1088HKFSEA
Manifold Pipe1	HFQ-M32F	HFQ-M462F	HFQ-M462F	HFQ-M682F	HFQ-M682F	HFQ-M682F	HFQ-M682F
Manifold Pipe2	-	-	HFQ-M32F	HFQ-M32F	HFQ-M462F	HFQ-M462F	HFQ-M462F
Manifold Pipe3	-	-	-	-	-	HFQ-M32F	HFQ-M462F

For X3 Series System

Outdoor Unit	AVWT-172~229UESZX	AVWT-250~307UESZX	AVWT-324~386UESZX	AVWT-404~460UESZX	AVWT-480~620UESZX
Manifold Pipe1	HFQ-M22F	HFQ-M32F	HFQ-M32F	HFQ-M32F	HFQ-M462F
Manifold Pipe2	-	-	HFQ-M22F	HFQ-M32F	HFQ-M32F
Manifold Pipe3	-	-	-	-	HFQ-M32F

For W Series 2 Pipes System

Outdoor Unit	AVWT-210~AVWT-280(22HP~24HP)	AVWT-250~AVWT-380(26HP~40HP)	AVWT-400~AVWT-570(42HP~60HP)
Manifold Pipe1	HFQ-M22F	HFQ-M32F	HFQ-M32F
Manifold Pipe2	-	-	HFQ-M32F

For W Series 3 Pipes Heat Recovery System

Outdoor Unit	AVWT-202~AVWT-212(22HP~24HP)	AVWT-250~AVWT-344(26HP~36HP)	AVWT-360~AVWT-380(38HP~40HP)	AVWT-400~AVWT-570(42HP~60HP)
Manifold Pipe1	HFQ-M202F	HFQ-M212F	HFQ-M302F	HFQ-M302F
Manifold Pipe2	-	-	-	HFQ-M302F

Branch Pipe (For indoor unit)

First Branch Pipe

For S Series Heat Recovery 2 Pipes System

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 54	56 to 66	68 to 112
Branch Pipe	HFQ-102F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-462F	HFQ-682F

For S Series Heat Recovery 3 Pipes System

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 36	38 to 54	56 to 66	68 to 112
Branch Pipe	HFQ-M282F	HFQ-M452F	HFQ-M562F	HFQ-M692F	HFQ-M902F	HFQ-462XF	HFQ-682XF

For S/S mavo+ Series System

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 44	46 to 66	68 to 112
Branch Pipe	HFQ-102F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-462F	HFQ-682F

For X3 Series System

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 44	46 to 66	68 to 112
Branch Pipe	HFQ-102F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-462F	HFQ-682F

First Branch Pipe~Last Branch Pipe

For S Series Heat Recovery 2 Pipes System

Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 25.99	26 to 35.99	36 to 55.99	56 to 57.99	58 to 67.99	Over 68
Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	31.75	38.1	41.3	44.5	50.8
Liquid (mm)	9.53	9.53	9.53	12.7	12.7	15.88	19.05	19.05	22.2	22.2	25.4
Branch Pipe	HFQ-102F	HFQ-102F	HFQ-102F	HFQ-162F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-302F	HFQ-462F	HFQ-462F	HFQ-682F

For S Series Heat Recovery System

Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 21.99	22 to 25.99	26 to 35.99	36 to 55.99	56 to 57.99	58 to 67.99	Over 68
Low Pressure Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	28.6	31.75	38.1	41.3	44.5	50.8
High/Low Pressure Gas (mm)	12.7	15.88	19.05	22.2	22.2	22.2	25.4	28.6	31.75	38.1	41.3	44.5
Liquid(mm)	9.53	9.53	9.53	12.7	12.7	15.88	15.88	19.05	19.05	22.2	22.2	25.4
Branch Pipe	HFQ-M142F	HFQ-M282F	HFQ-M282F	HFQ-M452F	HFQ-M562F	HFQ-M562F	HFQ-M692F	HFQ-M692F	HFQ-M902F	HFQ-462XF	HFQ-462XF	HFQ-462XF

For S/S mavo+ Series System

Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 25.99	26 to 33.99	34 to 45.99	46 to 58.99	59 to 68.99	Over 69
Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	31.75	38.1	41.3	44.5	50.8
Liquid (mm)	9.53	9.53	9.53	12.7	12.7	15.88	19.05	19.05	22.2	22.2	25.4
Branch Pipe	HFQ-102F	HFQ-102F	HFQ-102F	HFQ-162F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-302F	HFQ-462F	HFQ-462F	HFQ-682F

For X3 Series System

Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 25.99	26 to 33.99	34 to 45.99	46 to 58.99	59 to 68.99	Over 69
Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	31.75	38.1	41.3	44.5	50.8
Liquid (mm)	9.53	9.53	9.53	12.7	12.7	15.88	19.05	19.05	22.2	22.2	25.4
Branch Pipe	HFQ-102F	HFQ-102F	HFQ-102F	HFQ-162F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-302F	HFQ-462F	HFQ-462F	HFQ-682F

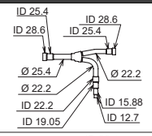
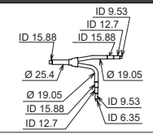
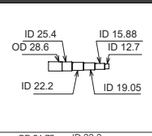
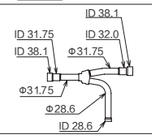
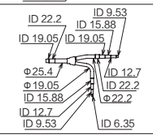
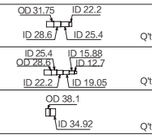
Last Branch Pipe~Indoor Unit

Indoor Unit	Pipe Size (Φmm)		Max. Liquid Pipe Length
	Gas Pipe	Liquid Pipe	
7kBtu/h~14kBtu/h	12.70	6.35*1	40
17kBtu/h~18kBtu/h	15.88	6.35*1	40
22kBtu/h~54kBtu/h	15.88	9.53	40
76kBtu/h	19.05	9.53	40
96kBtu/h	22.20	9.53	40

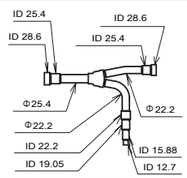
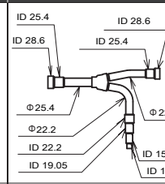
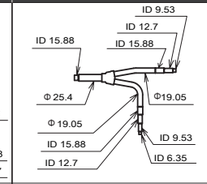
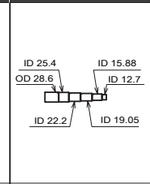
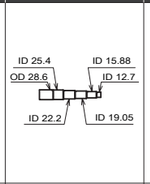
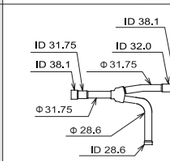
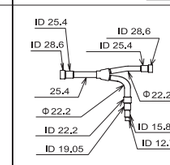
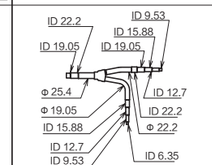
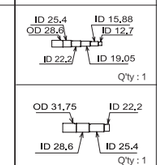
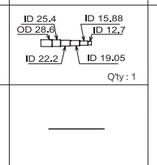
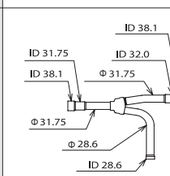
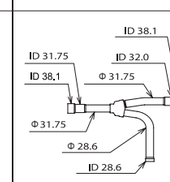
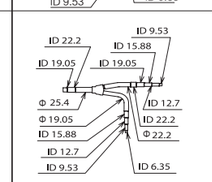
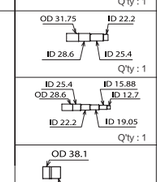
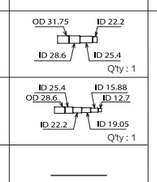
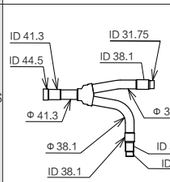
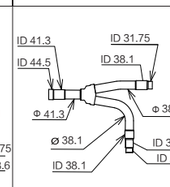
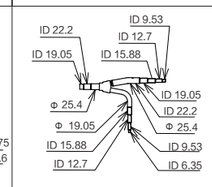
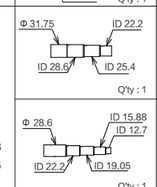
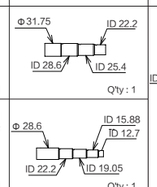
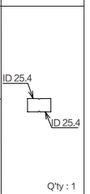
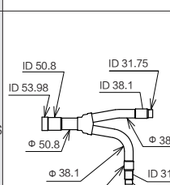
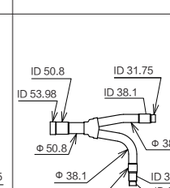
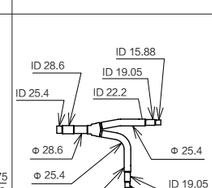
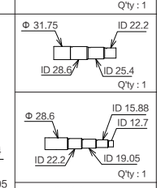
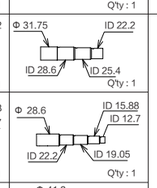
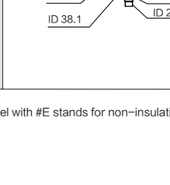
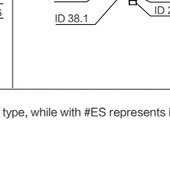
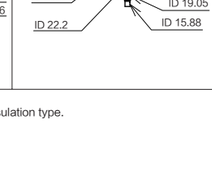
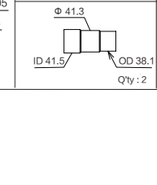
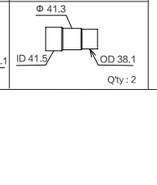
Note：1. When liquid pipe length of indoor unit (07~18kBtu/h) is more than 15m, please change the liquid pipe dimension from Φ6.35 into Φ9.53.

Manifold Pipe Parameter

Unit: mm, ID: Inner Diameter, OD: Outer Diameter.

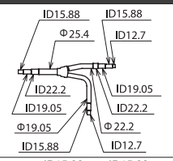
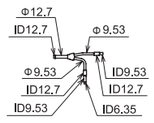
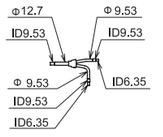
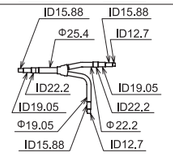
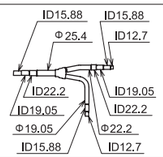
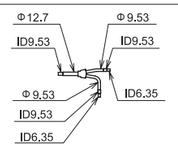
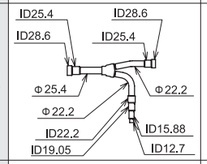
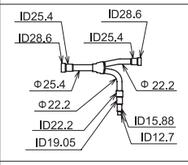
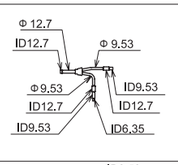
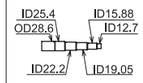
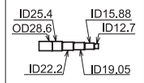
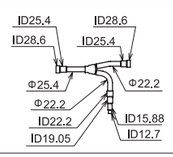
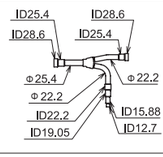
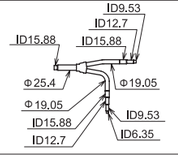
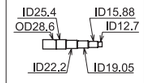
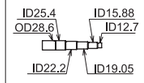
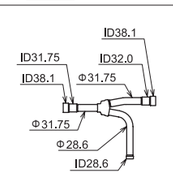
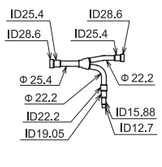
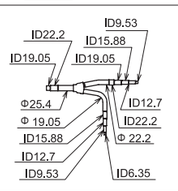
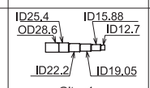
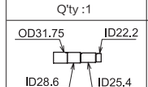
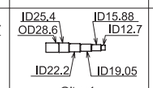
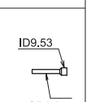
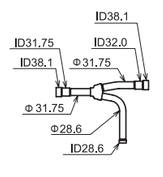
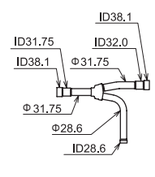
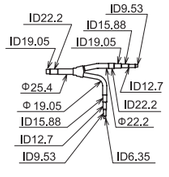
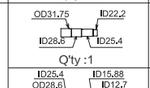
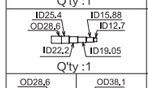
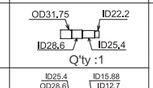
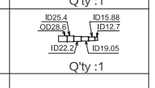
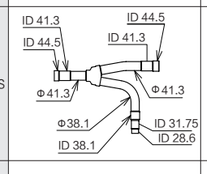
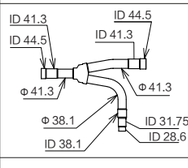
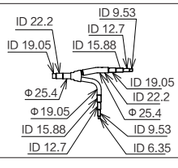
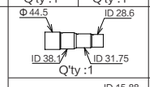
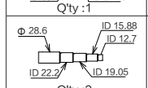
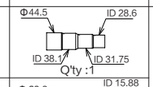
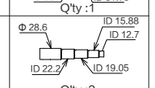
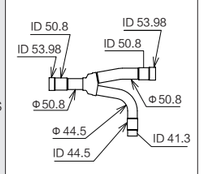
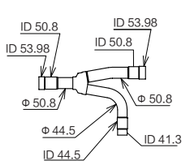
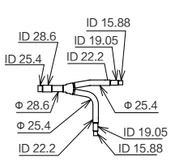
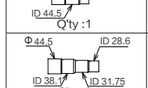
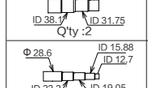
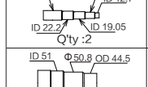
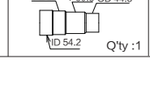
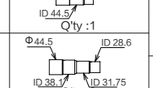
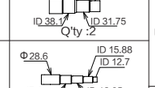
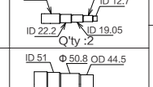
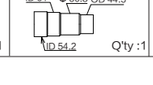
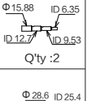
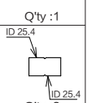
Model	Gas Line	Liquid Line	Reducer for Gas Line	Reducer for Liquid Line
HFQ-M22F#E HFQ-M22F#ES				———
HFQ-M32F#E HFQ-M32F#ES				———

Manifold Pipe Parameter

Model	Low Pressure Gas Line	High Pressure Gas Line	Liquid Line	Reducer for Low Pressure Gas Line	Reducer for High Pressure Gas Line	Reducer for Liquid Line
HFQ-M202F#E						———
HFQ-M212F#E						———
HFQ-M302F#E						———
HFQ-M462XF#ES						
HFQ-M682XF#ES						
HFQ-M682XF#ES						———

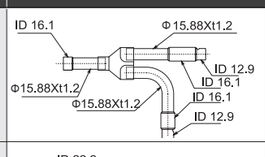
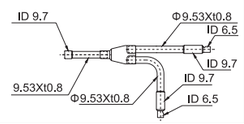
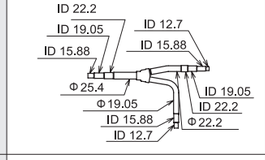
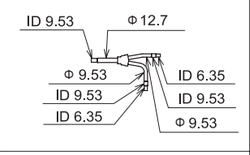
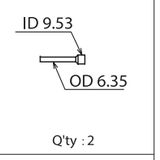
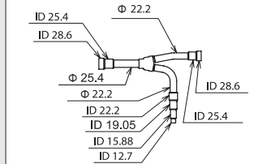
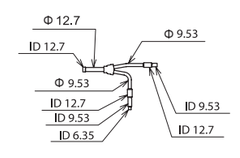
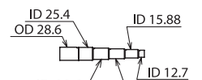
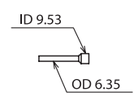
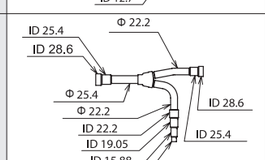
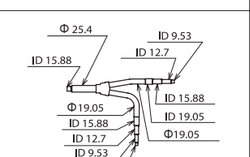
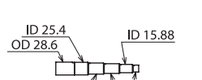
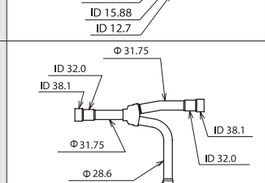
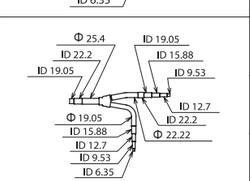
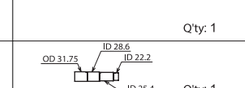
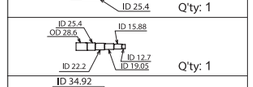
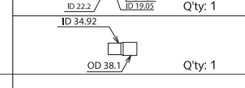
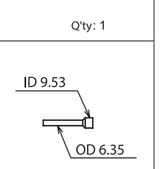
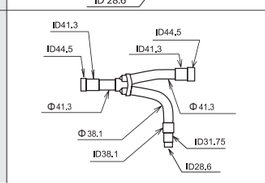
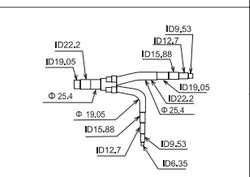
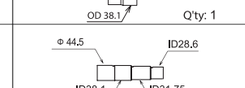
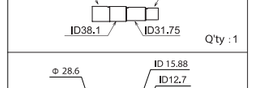
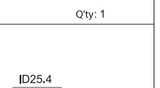
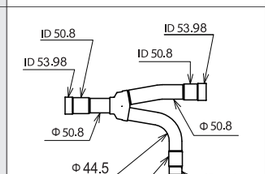
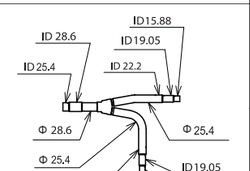
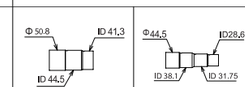
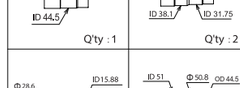
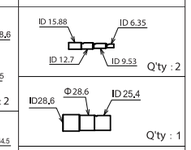
Note: The model with #E stands for non-insulation type, while with #ES represents insulation type.

Branch Pipe Parameter

Model	Low Pressure Gas Line	High Pressure Gas Line	Liquid Line	Reducer for Low Pressure Gas Line	Reducer for High Pressure Gas Line	Reducer for Liquid Line
HFQ-M142F#E				——	——	Q'ty :2
HFQ-M282F#E				——	——	Q'ty :2
HFQ-M452F#E				 Q'ty :1	 Q'ty :2	Q'ty :1
HFQ-M562F#E				 Q'ty :1	 Q'ty :2	Q'ty :1
HFQ-M692F#E				 Q'ty :1  Q'ty :1	 Q'ty :1 ——	 Q'ty :1
HFQ-M902F#E				 Q'ty :1  Q'ty :1 Q'ty :1 Q'ty :1	 Q'ty :1  Q'ty :1 ——	Q'ty :1
HFQ-462XF#ES				 Q'ty :1  Q'ty :2	 Q'ty :1  Q'ty :2	Q'ty :1
HFQ-682XF#ES				 Q'ty :1  Q'ty :2  Q'ty :2  Q'ty :1	 Q'ty :1  Q'ty :2  Q'ty :2  Q'ty :1	 Q'ty :2 Q'ty :1  Q'ty :2

Note: The model with #E stands for non-insulation type, while with #ES represents insulation type.

Branch Pipe Parameter

Model	Gas Line	Liquid Line	Reducer for Gas Line	Reducer for Liquid Line
HFQ-052F#E			——	——
HFQ-102F#E HFQ-102F#ES			——	 Q'ty : 2
HFQ-162F#E HFQ-162F#ES			 Q'ty: 1	 Q'ty: 1
HFQ-242F#E HFQ-242F#ES			 Q'ty: 1	Q'ty: 1
HFQ-302F#E HFQ-302F#ES			 Q'ty: 1  Q'ty: 1  Q'ty: 1	 Q'ty: 1
HFQ-462F#E HFQ-462F#ES			 Q'ty : 1  Q'ty : 2	
HFQ-682F#E HFQ-682F#ES			 Q'ty : 1  Q'ty : 2	Q'ty : 2 Q'ty : 1	

Note: The model with #E stands for non-insulation type, while with #ES represents insulation type.