Hisense

Hisense Australia Pty. Ltd.
Level 1/37 Dalmore Dr, Scoresby VIC 3179

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

HCAC-VRF-AUS202503

Hisense VRF

Australia Product Line Up 2025

VRF AIR CONDITIONING SOLUTION

Reimagine your solution

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

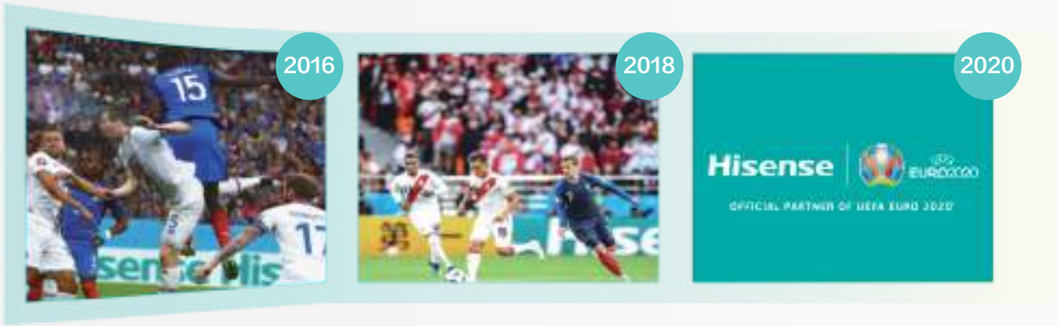
Smart City
Smart Community
Smart Transportation
Smart Business
Medical Electronic Devices
Smart Home System and Service

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 & 2024** and **FIFA WORLD CUP 2018 & 2022**, Hisense has made clear its focus on football. Hisense also is the official partner of **FIFA Club World Cup 2025.**



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

Official Partner of
FIFA Club World Cup 2025

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 December 2024.

266,000 m^2
Manufacturing Area

40+
Production Line

11,000,000 units/year
Production Capacity

16,700 m^2/70+
Laboratory

The Guiding Light of Manufacturing

The World's First

VRF Lighthouse Factory

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

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

03
RELIABILITY

25
COMFORT

41
OUTDOOR UNITS

143
CONTROL SYSTEMS

17
EFFICIENCY

33
FLEXIBILITY

107
INDOOR UNITS

159
ACCESSORIES

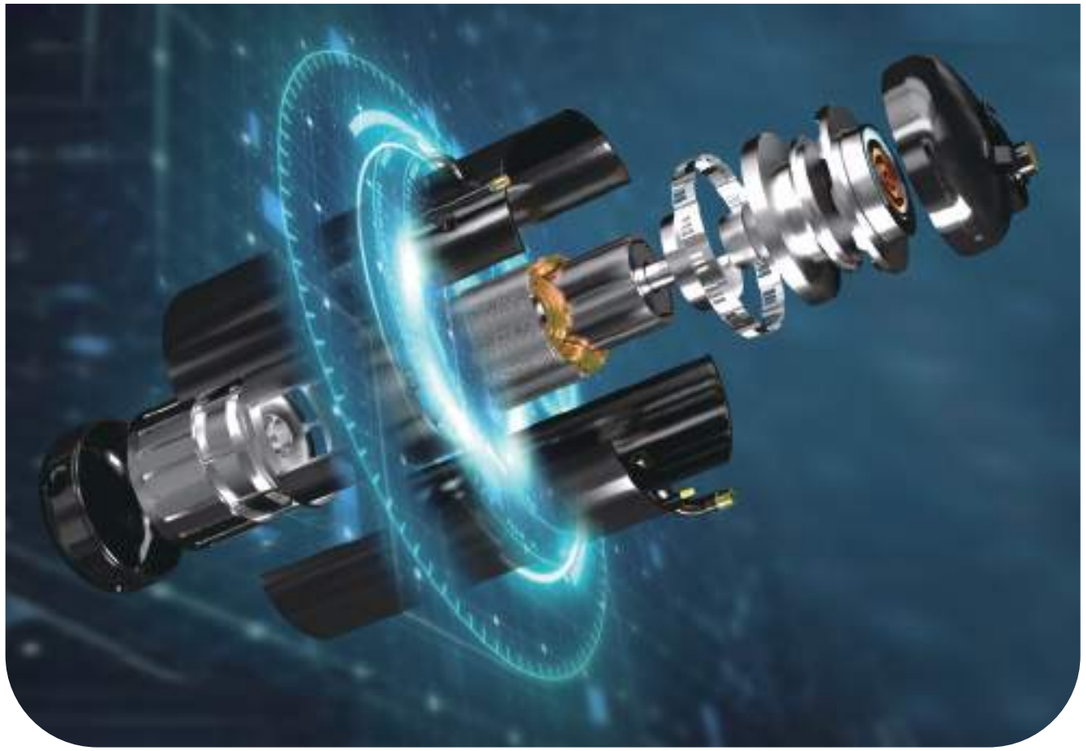
Hisense VRF

RELIABILITY

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

AIR
CONDITIONING
SOLUTION

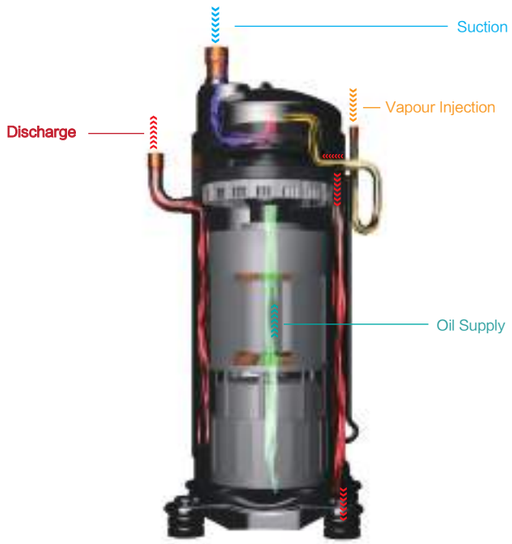
Refrigerant Circuit



Revolutionary HVAC compressor

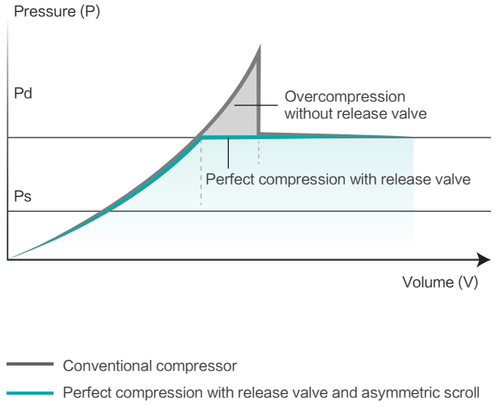
Vapour injection technology

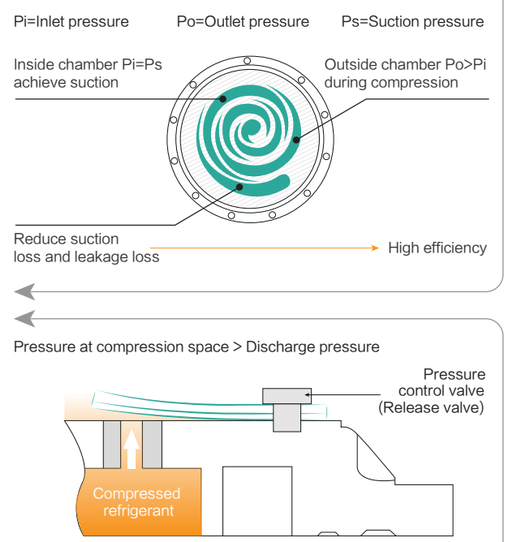
New generation scroll compressor is now patented with higher performance capability vapour injection technology, increasing capacity up to 25% compared to conventional scroll compressor with same amount of power consumed.



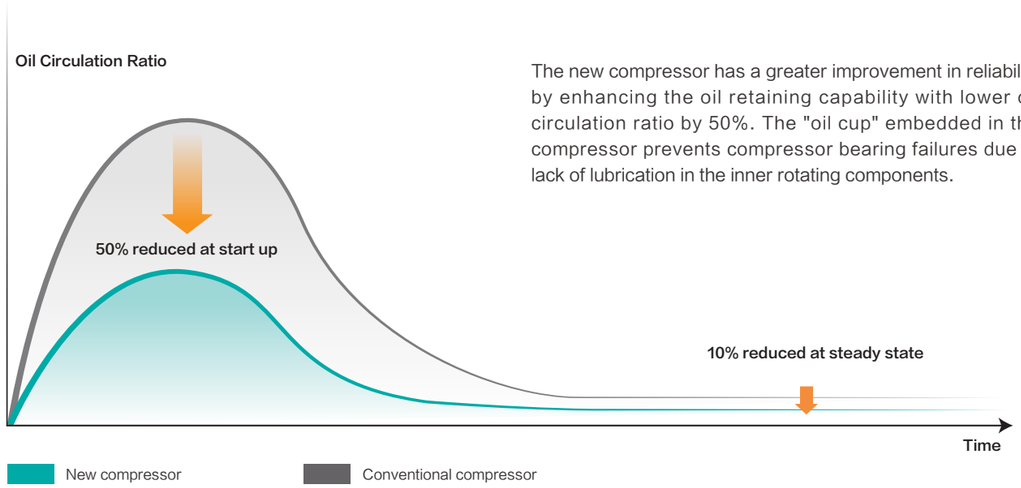
Efficient energy usage

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





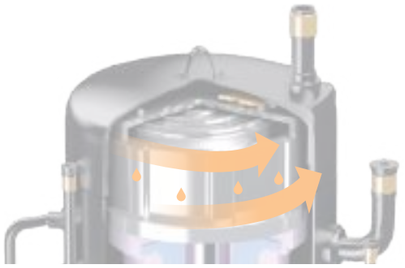
Enhanced oil level retaining capability



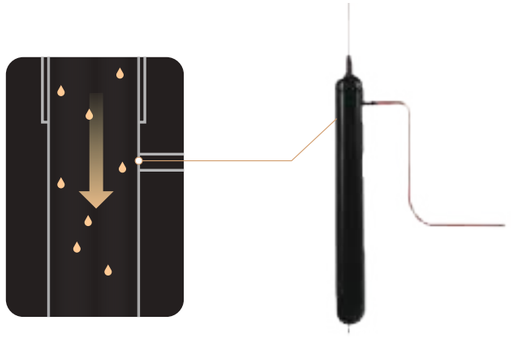
The new compressor has a greater improvement in reliability by enhancing the oil retaining capability with lower oil circulation ratio by 50%. The "oil cup" embedded in the compressor prevents compressor bearing failures due to lack of lubrication in the inner rotating components.

Oil separation and oil return

Oil separation



First-stage Oil Separation



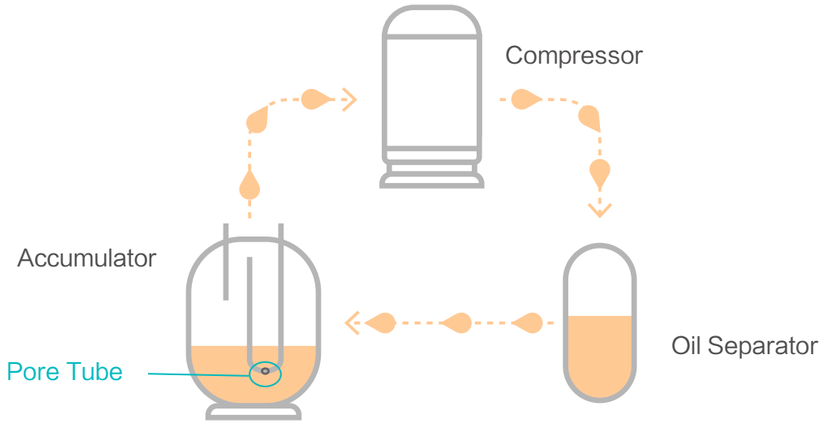
Second-stage Oil Separation

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(optional)

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**	Dark Gray fin (with epoxy resin and acrylic 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**

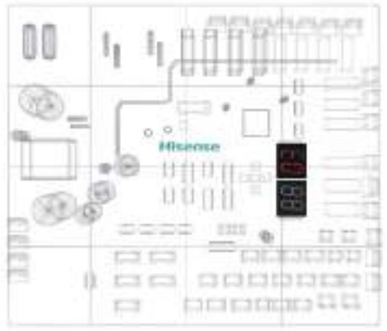
Note
Please refer to the catalog of Hisense VRF Anti-corrosion Solution for detailed anti-corrosion treatment measures.

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.

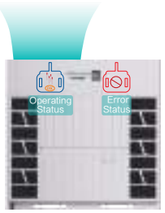
Smart rotative operation

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.

Multiple backup operation

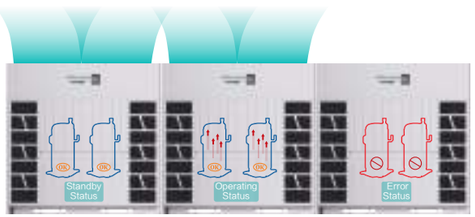
Compressor Backup
If one compressor fails, the other compressor will seamlessly take over for emergency operation without interruption.

Inverter PCB Backup
If one of the inverter PCB fails, the remaining inverters can also continue functioning in an emergency.



Fan Motor Backup
Similarly, if a fan motor fails, the other one can keep working to ensure efficient unit operation.

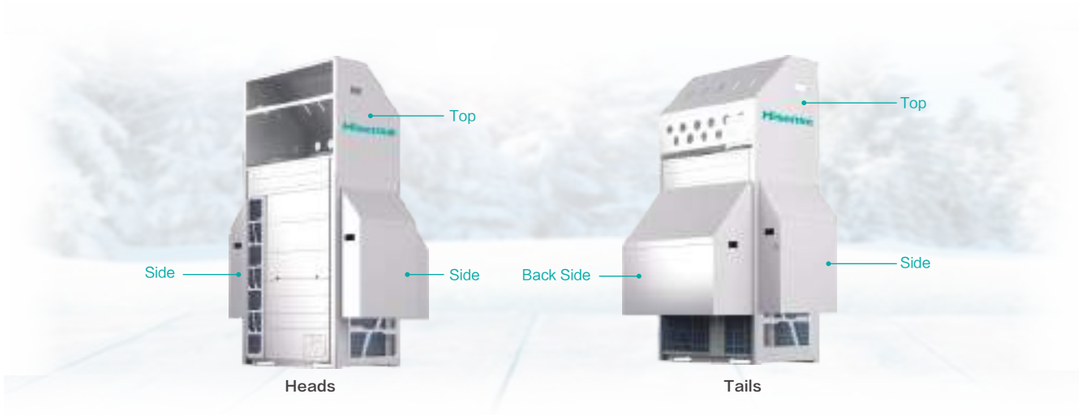
Sensor Backup
Using digital twin technology, virtual sensors are generated based on the built-in pressure and temperature values of the unit, providing mutual backup for emergency operation.



Module Backup
In the case of a module failure within a combination system, the remaining modules are still able to sustain operation in emergency mode.

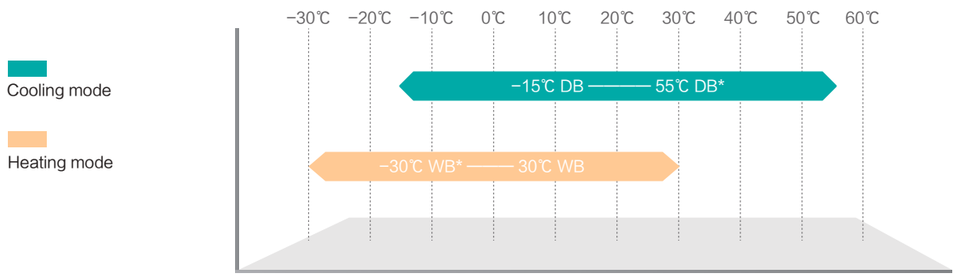
Snow hood (optional)

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 −15℃ DB to 55℃ DB and in heating mode the operation range is from −30℃ WB to 30℃ WB, which adapts to extreme conditions.

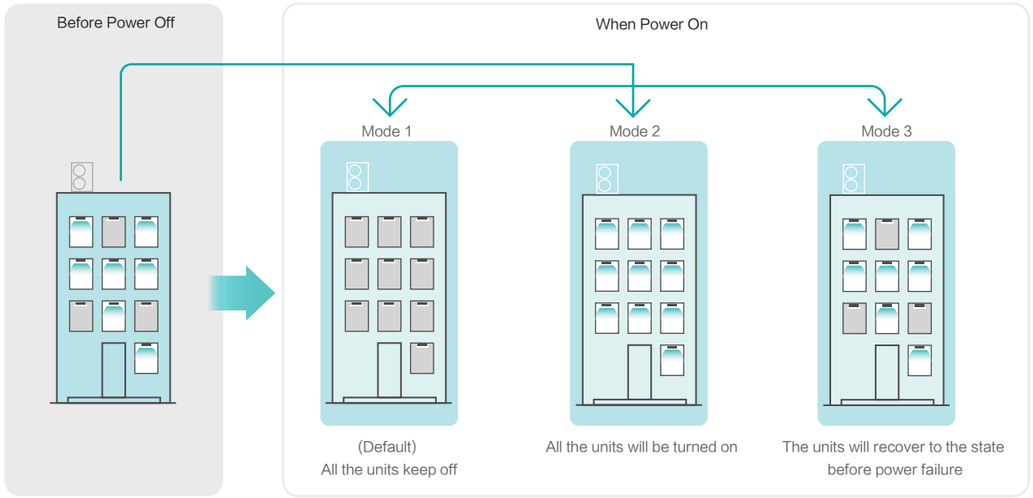


Note

Please refer to the specification table of each series for detailed operation range.

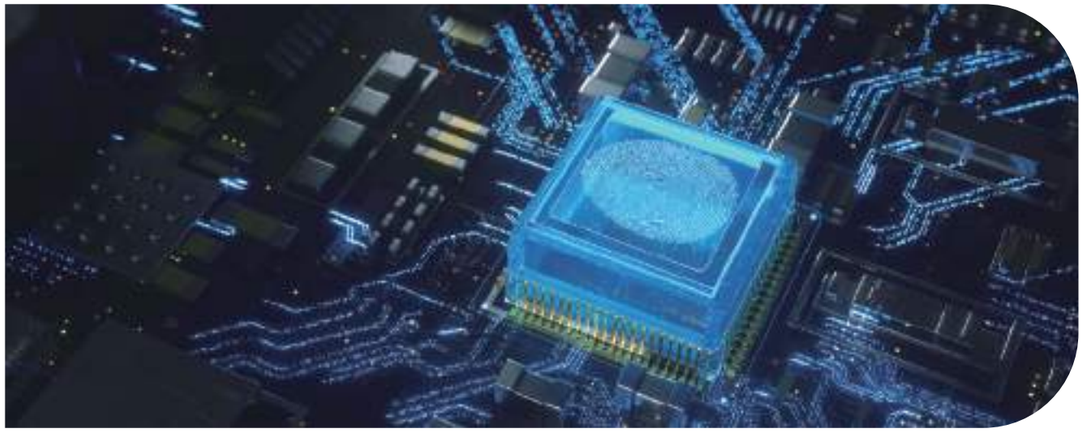
Automatic Restart

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.



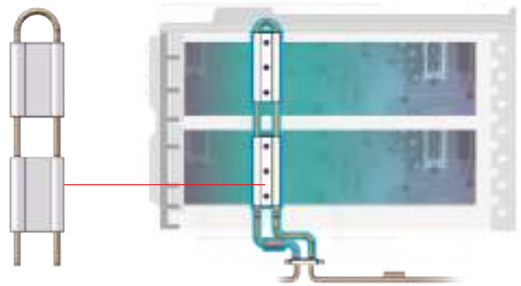
* DIP setting is necessary for mode 2 and mode 3.

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%*.

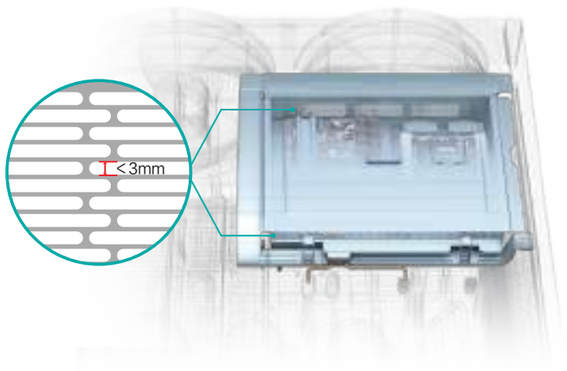


Note

* The data is based on the S series unit under low fan speed operation.

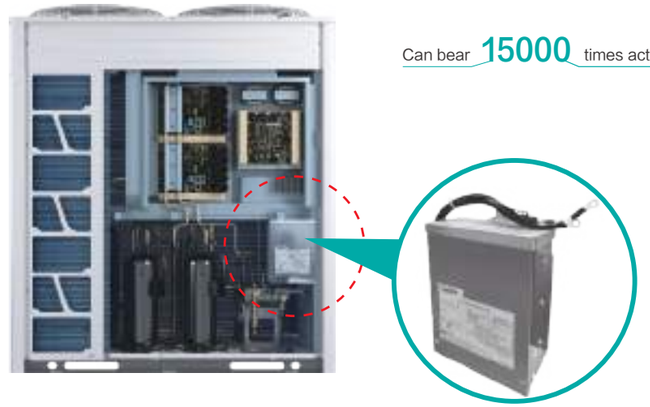
Insect protection design

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.



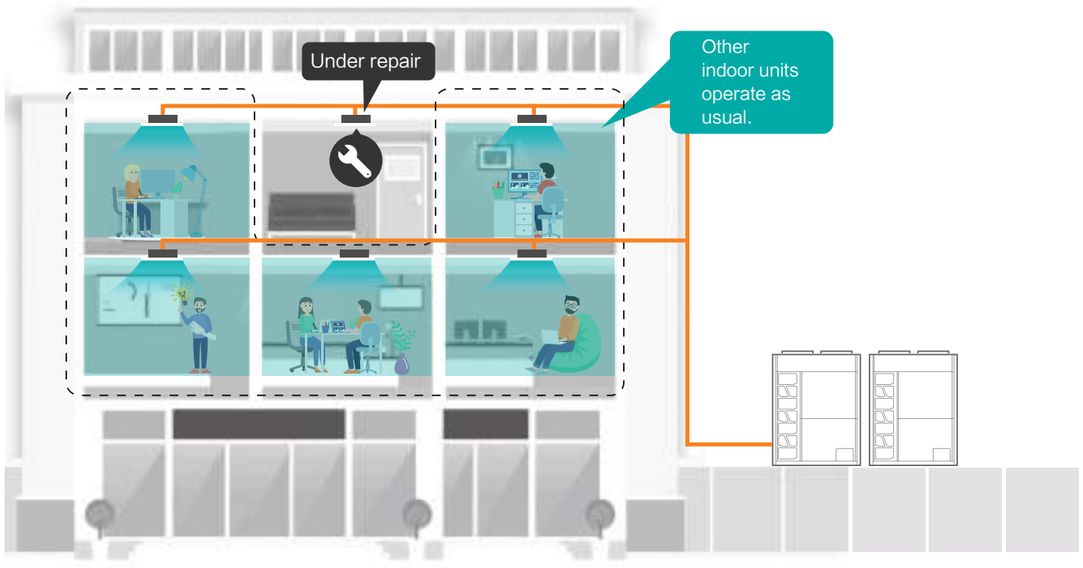
Quality electrical and magnetism precaution measure

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

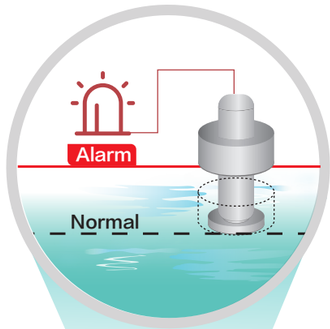
To maintain the whole system's continual operation even when there is a breakdown occur within a system, Hisense VRF is capable to isolate the malfunction unit from the others while conducting restoration and maintaining continuous operation of other units simultaneously. Especially practical for retail shops or offices where multiple indoor units share the same system, there is a breakdown or powered cut-off during renovation of a shop does not affect shops of the same system from routine business operation.

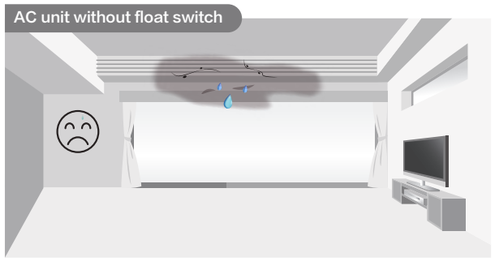


*Preliminary setting is unnecessary

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

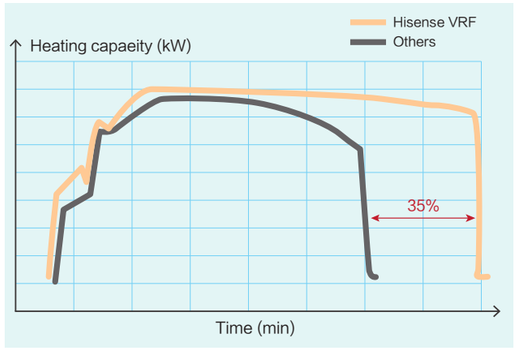
AIR
CONDITIONING
SOLUTION

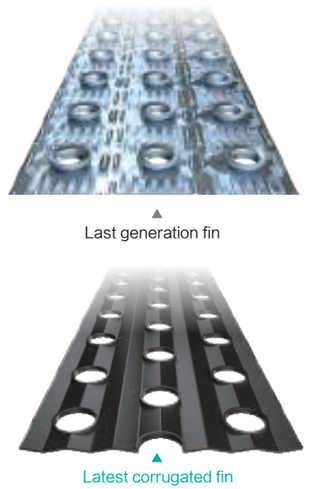
Efficient Heat Exchanger

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

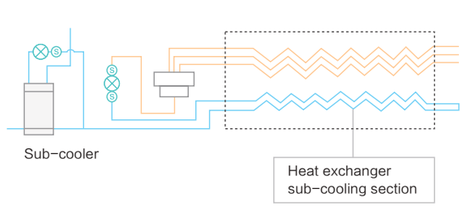




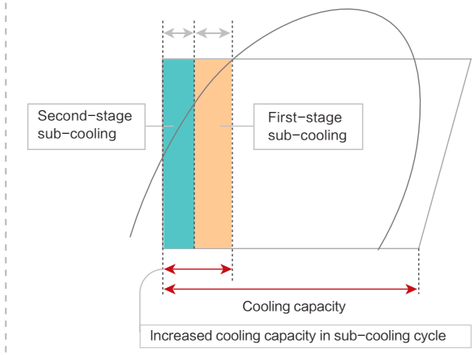
Two-stage subcooling

Comparing with the conventional VRF systems without subcoolers, refrigerant temperature decreased 12.5℃ more in systems with one stage subcoolers. However, Hisense VRF's 2-stage subcooling technology cools refrigerant reduced 27℃, distinctly improved cooling capacity of the system by pushing refrigerant further beyond its condensing temperature.

Two-stage sub-cooling cycle diagram



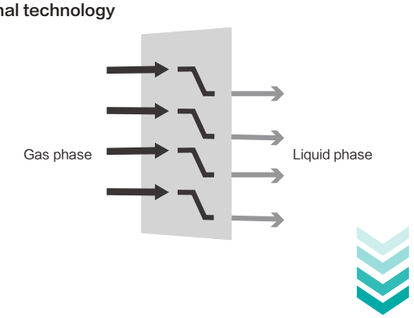
Two-stage sub-cooling pressure enthalpy diagram

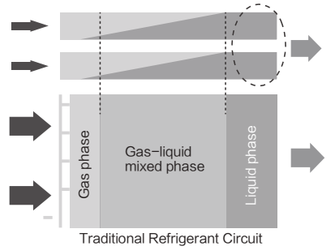


Optimized refrigerant circuit

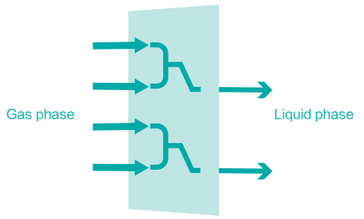
As refrigerant flows in the system, energy will be lost due to friction and other factors naturally especially when refrigerant change phase, latent heat are lost when gas turns to liquid. Whereby, as more heat is dissipated out, higher the heat exchanger efficiency is. By making full use of heat dissipation,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

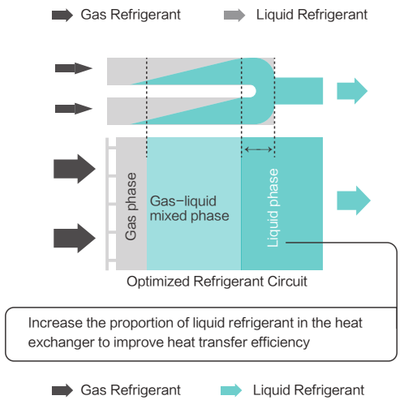
Conventional technology



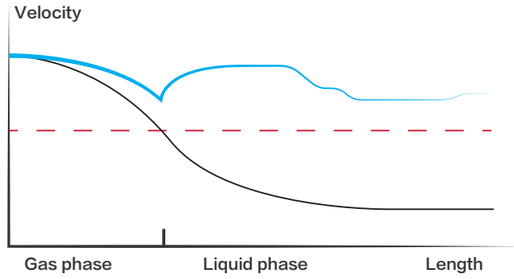


2-to-1 refrigerant flow path





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

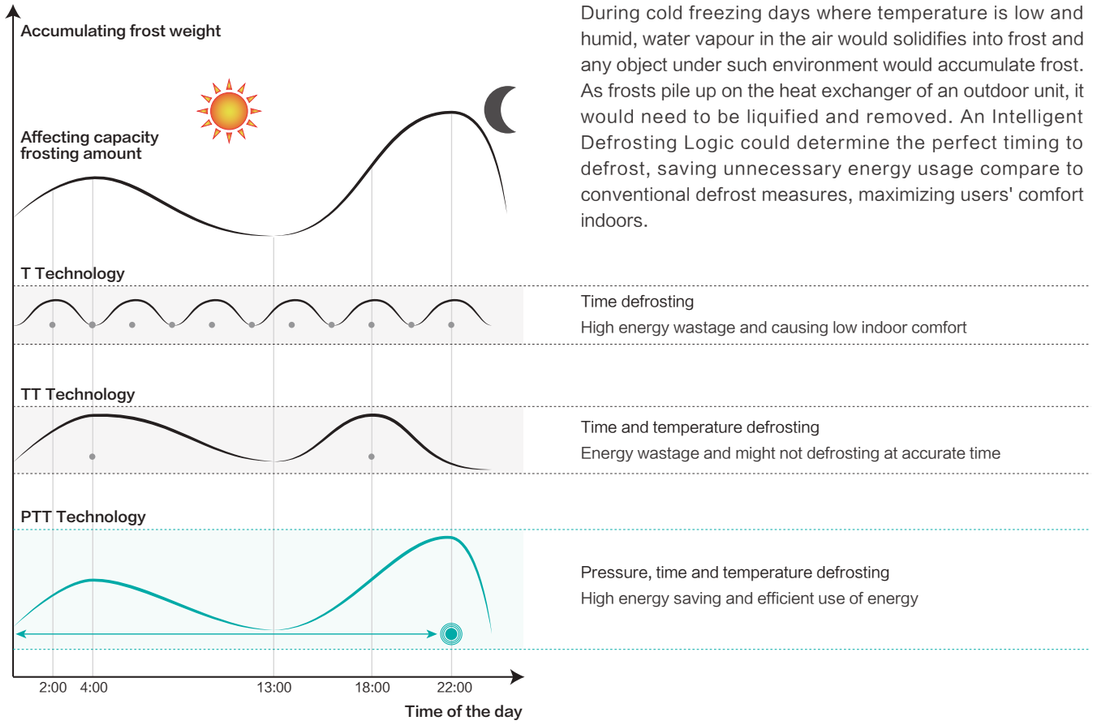


2 to 1 refrigerant circuit:
velocity is maintained same goes to the efficiency of refrigerant heat exchange.

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

Intelligent Defrosting Logic

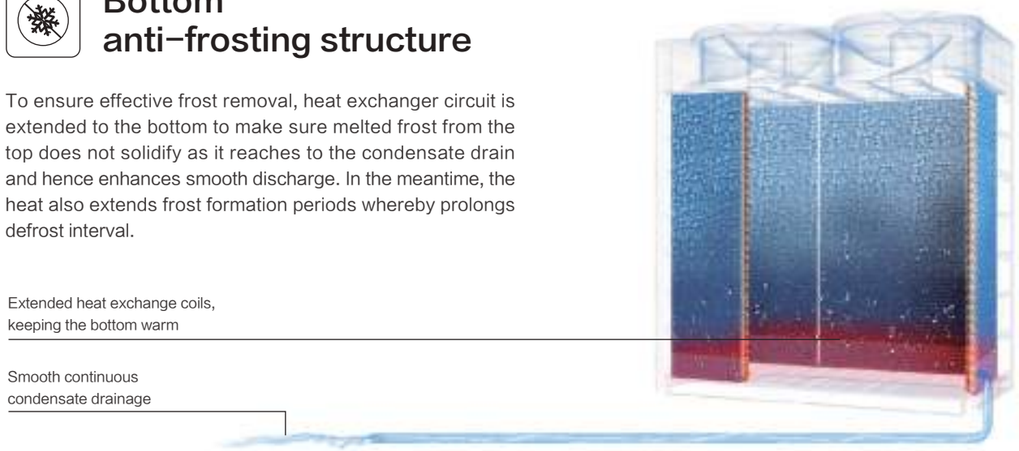
PTT defrosting mode



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.

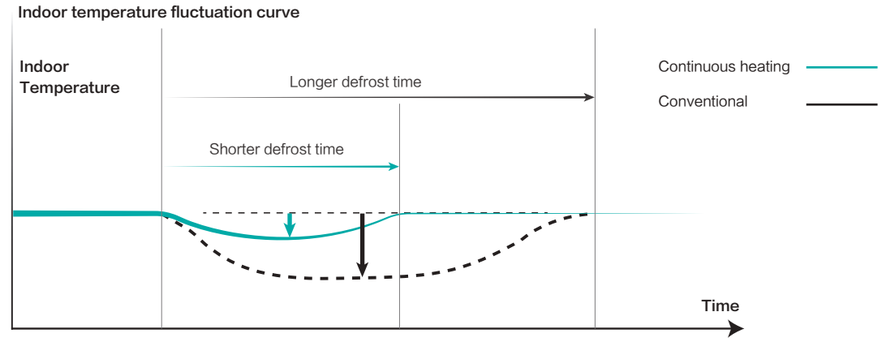
Bottom anti-frosting structure

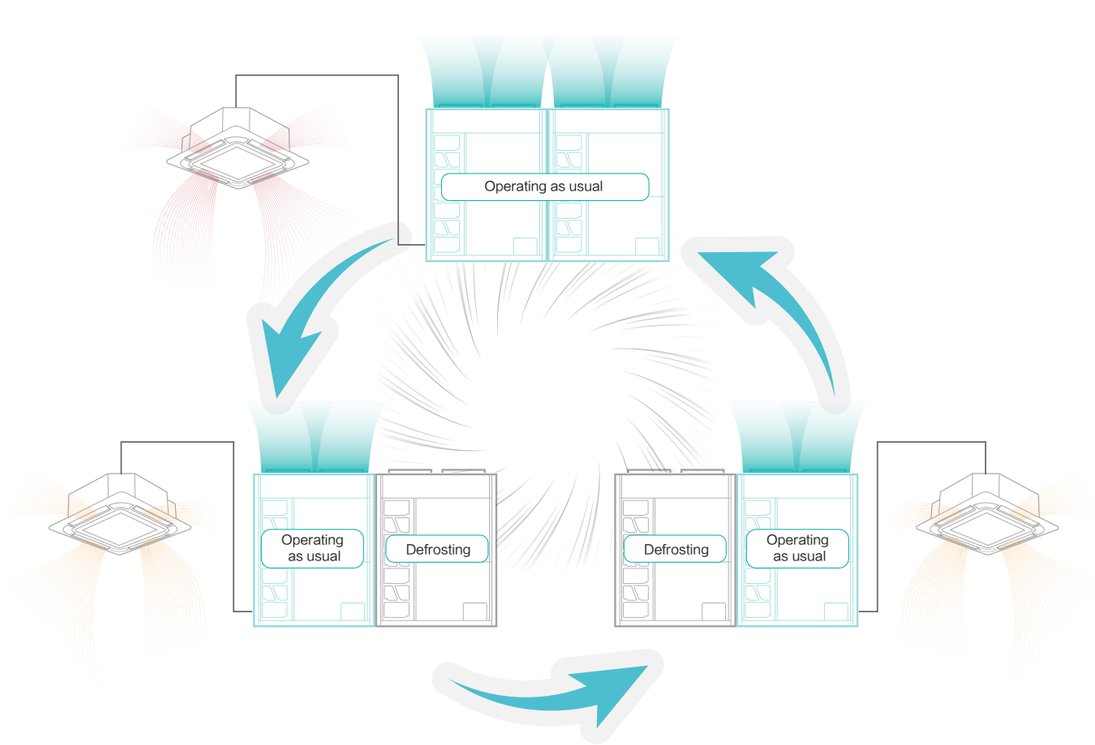
To ensure effective frost removal, heat exchanger circuit is extended to the bottom to make sure melted frost from the top does not solidify as it reaches to the condensate drain and hence enhances smooth discharge. In the meantime, the heat also extends frost formation periods whereby prolongs defrost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





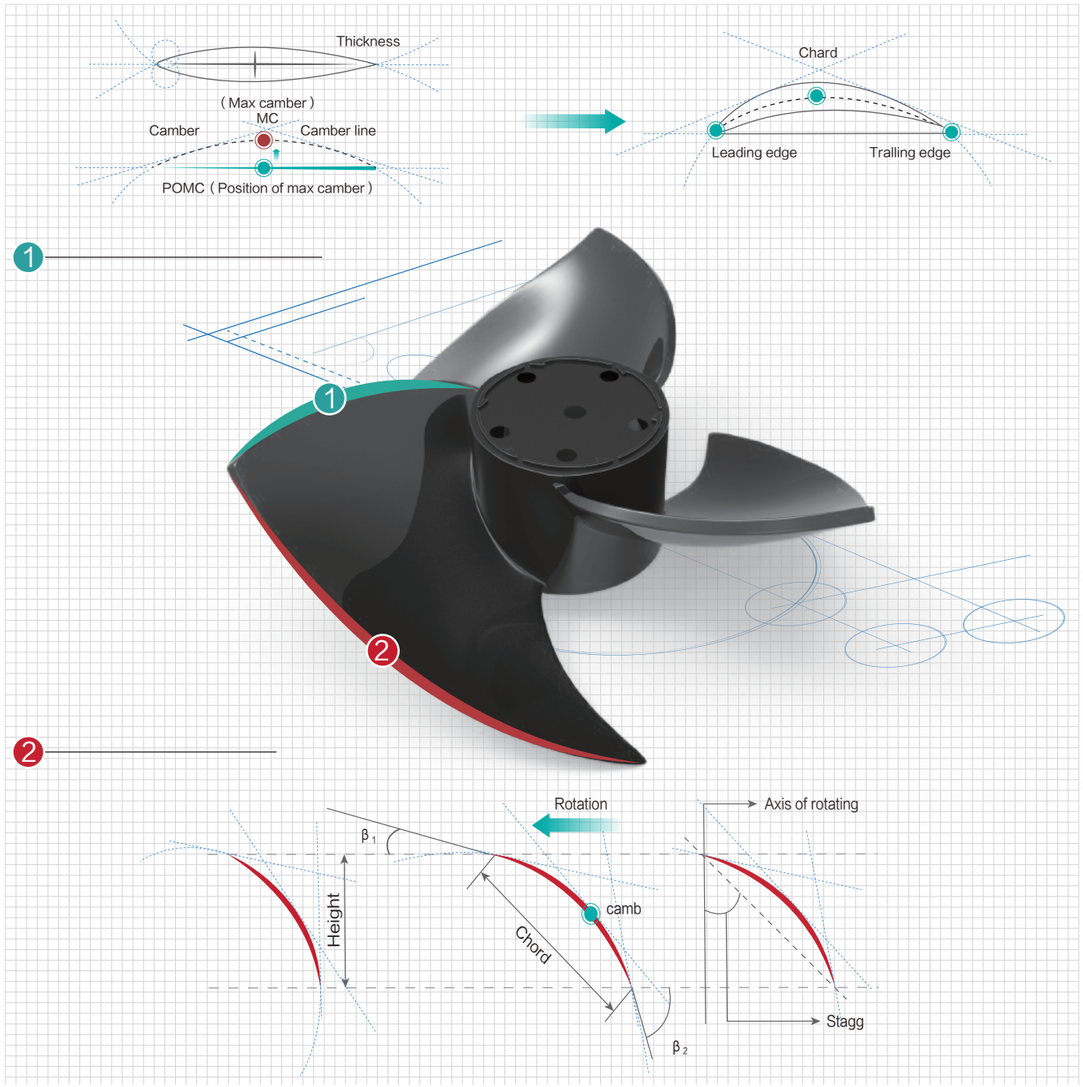
Note

Available for modules combination of S5 and S heat recovery series.

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.



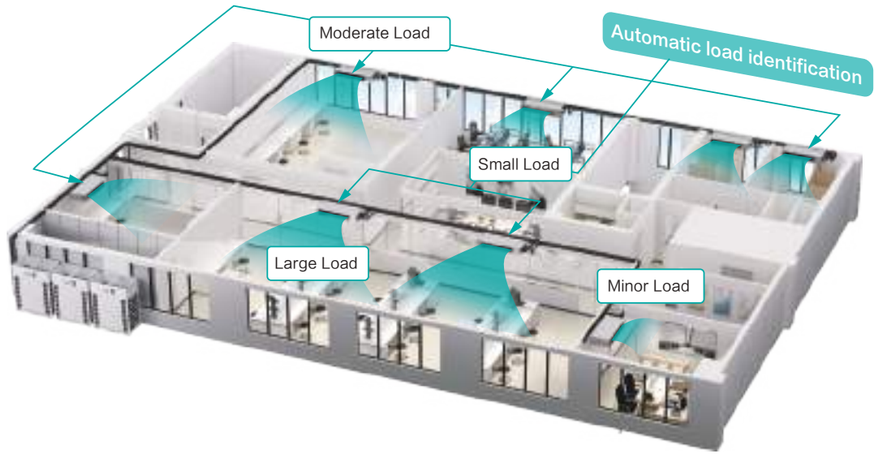
Stepless-smooth fan speed control

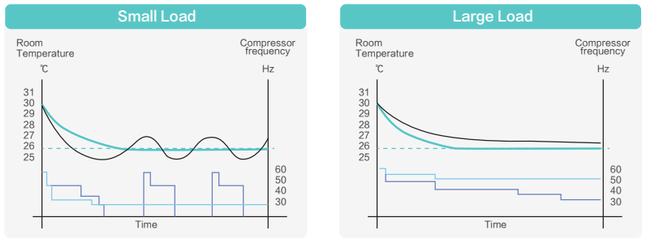
Inverter fan motors are now commonly used, where efficiency increase by 40%. Whereas in Hisense VRF, brushless DC fan motors are used, as it could further reduces power consumption and noise production than normal inverter motors.

Efficient axial fan

Load balancing control (LBC) technology

LBC technology identifies the current load demand of each indoor unit and calculates the optimal air volume and temperature settings based on the unit's capacity, so as to balance the load output of each room. Compared to traditional refrigerant flow control methods, LBC technology increases balancing capacity by 30% and enhances energy efficiency by 18%.





Hisense VRF

COMFORT

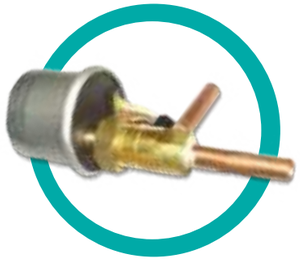
- Smart Air Supply
- Lower Noise
- Clean Fresh Air
- VIP Mode

AIR
CONDITIONING
SOLUTION

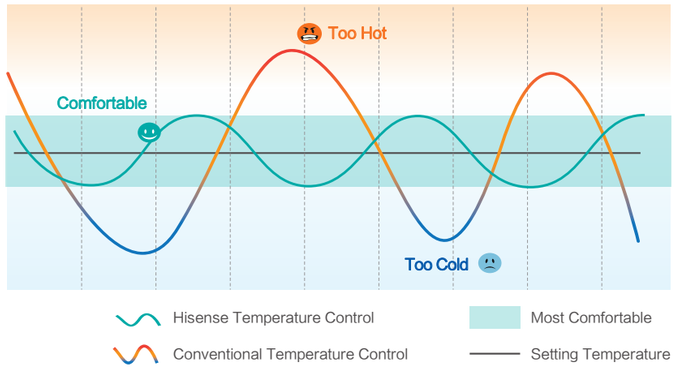
Smart Air Supply

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.

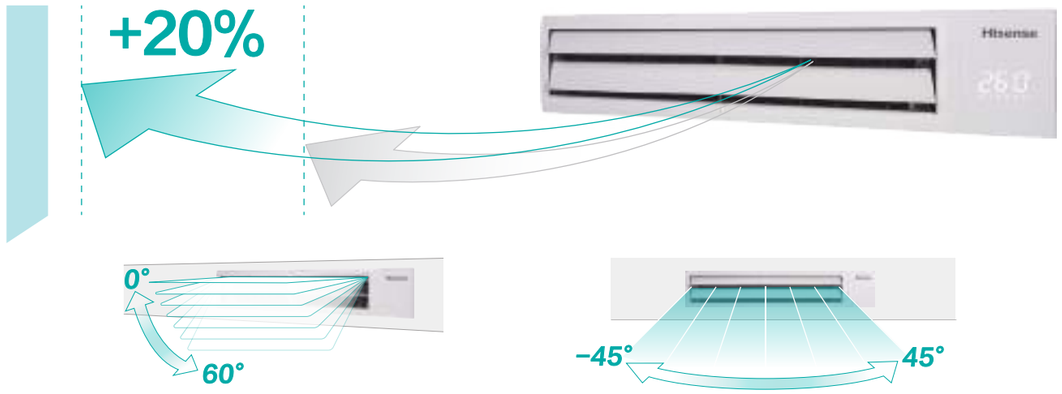


2000-step EEV



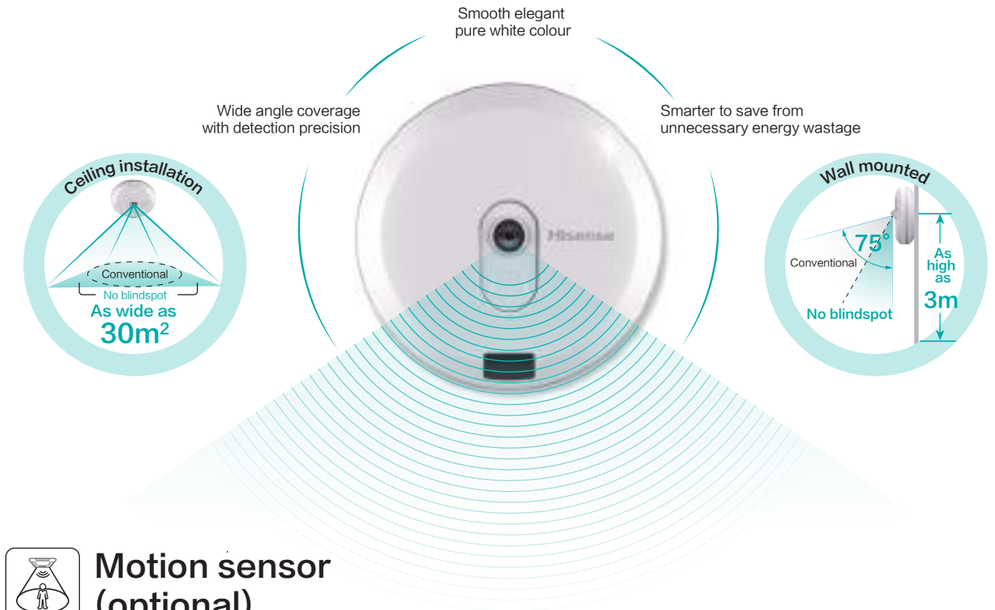
3D air-flow panel

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.



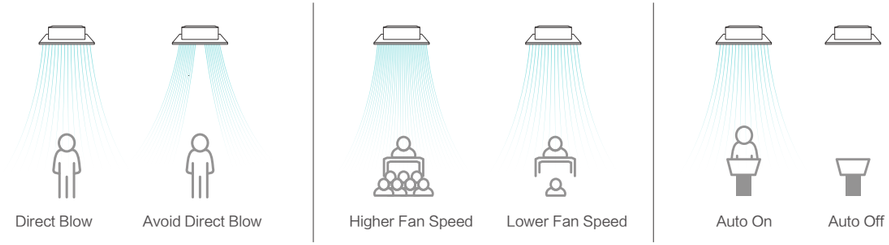
Hi-motion (optional)

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)

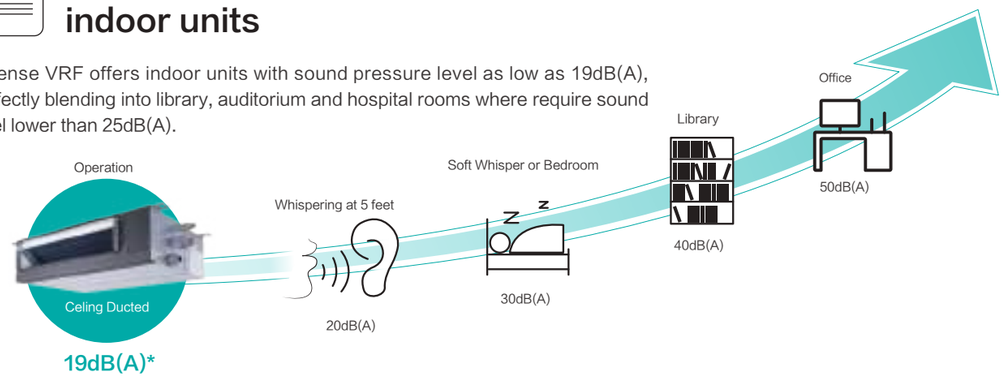
Motion Sensor, assembled in the panel of 4-Way Cassette and Mini 4-Way Cassette, can provide a more comfortable environment, and achieve efficient and energy-saving operation of the unit at the same time.
1. With the sensor, indoor unit can ON or OFF automatically when people enter or leave the room.
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.



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).



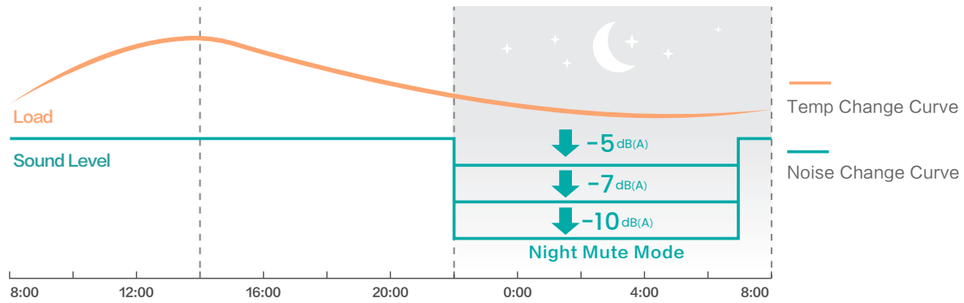
Note

* The DC ceiling ducted (AVD-07HJDH) 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

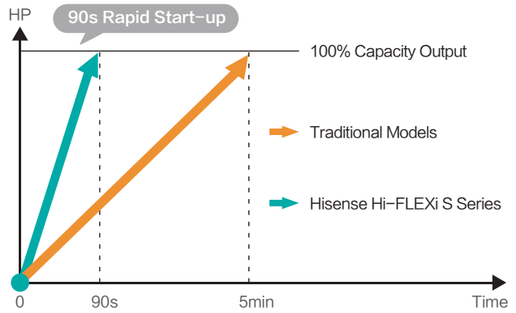
*1 : The night mute mode can last for 8hrs, 9hrs or 10hrs according to the setting.
*2 : Take S5 series as an example.

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.

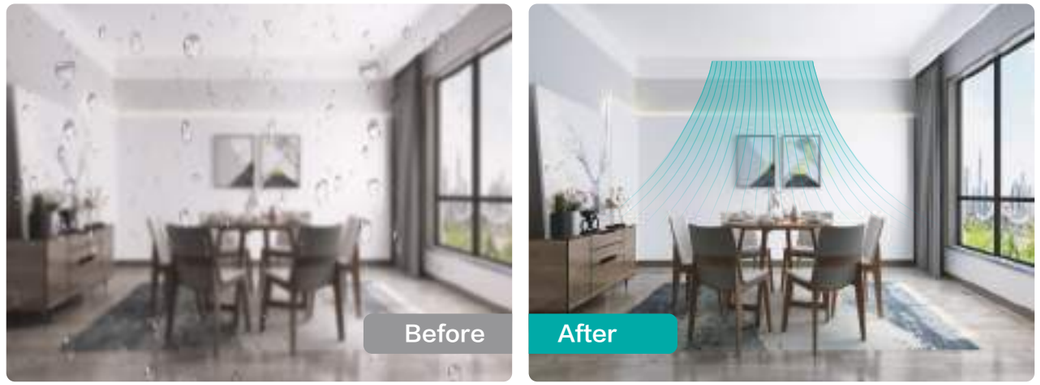
Scan the QR code to view the product introduction video.

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

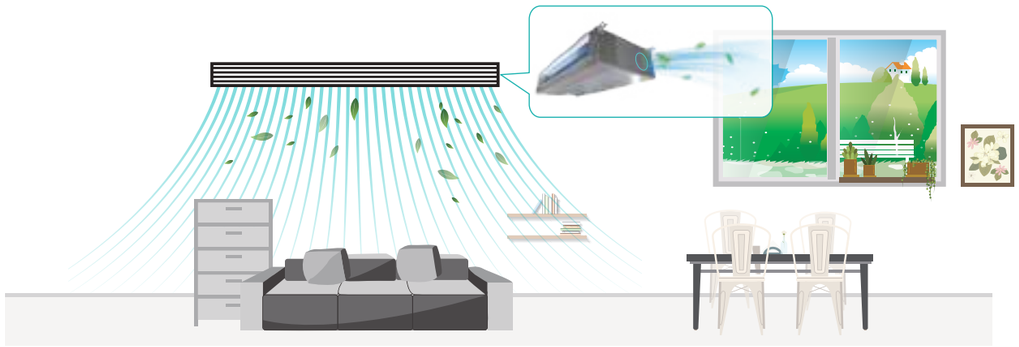
Featured with self-cleaning technology, the evaporator can be self-cleaned automatically, preventing the dust and potentially harmful substances from accumulating on the surface of the heat exchanger. Thus the air blown from the air conditioner is clean and healthy.

Note

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

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

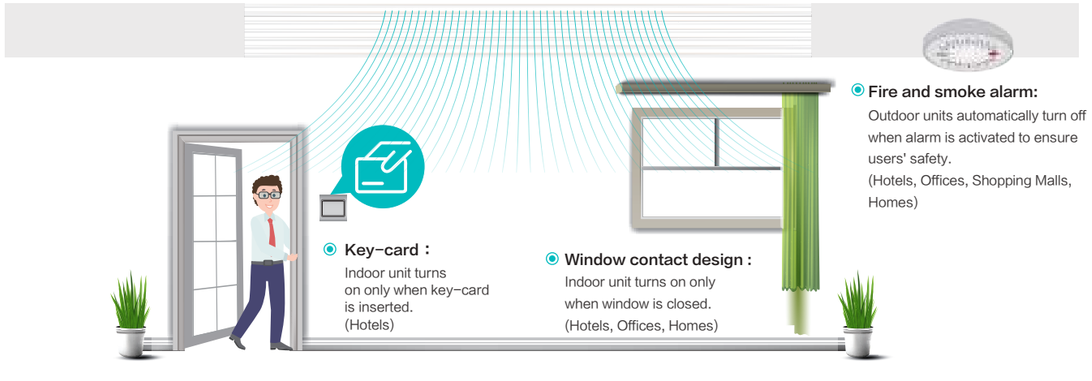
Service & Maintenance Simplicity

AIR
CONDITIONING
SOLUTION

Design Flexibility

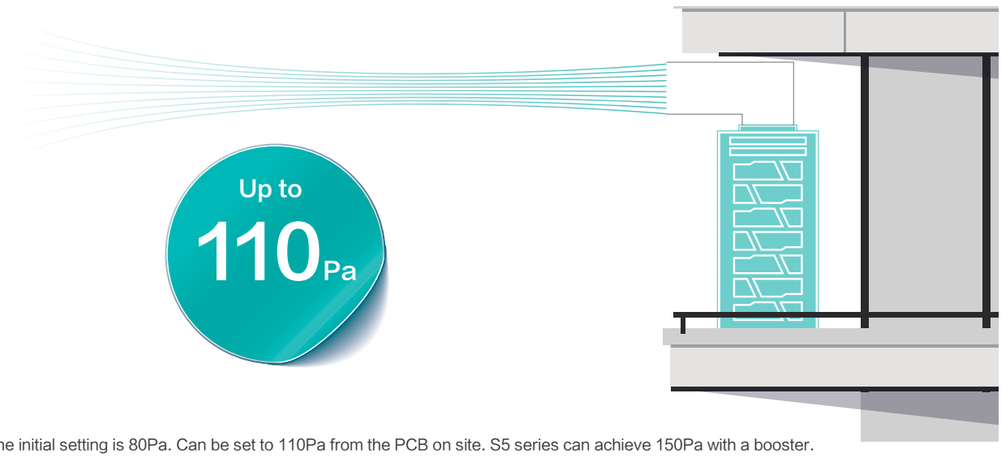
Interlocking solution using dry contact

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.



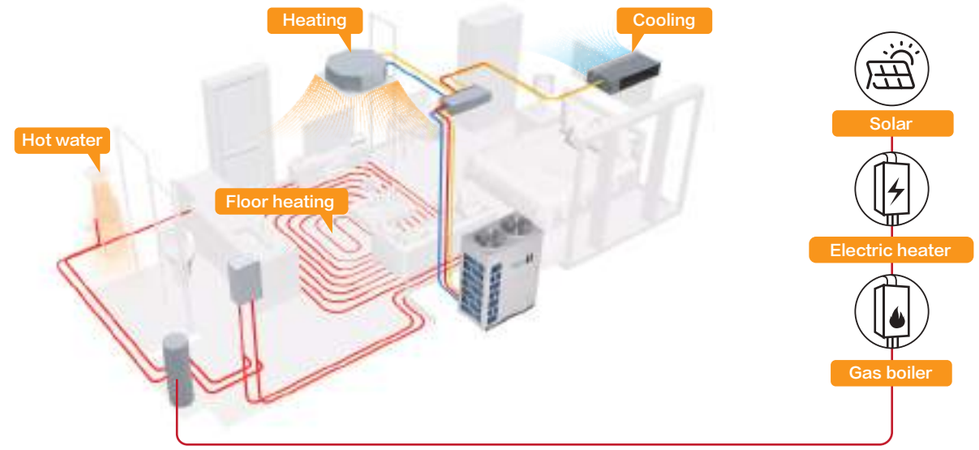
Note The initial setting is 80Pa. Can be set to 110Pa from the PCB on site. S5 series can achieve 150Pa with a booster.

Space-saving with reduced footprint

The footprint of S5 series of 8HP has been reduced by 15% compared to its predecessor with the same capacity, enabling easy transportation via elevators and effortless installation in confined spaces. With a maximum single module capacity up to 36HP, it offers a further 22% space saving compared to previous combination modules, significantly saving valuable floor space.

All in one renewable energy solution

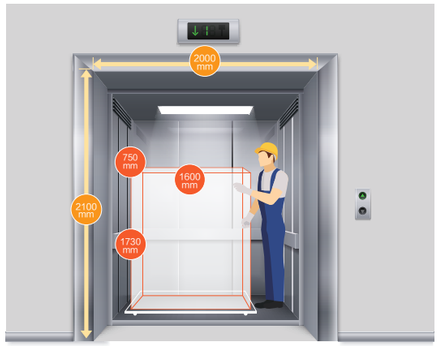
Hisense VRF heat recovery series offers an ultimate solution to satisfy heating and cooling, domestic hot water supply, floor/wall/ceiling cooling and heating simultaneously. The heat recovery system is also compatible with any auxiliary heaters like solar, electric heater and gas boiler to supply additional 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 an essential part of the commissioning process. To make it as simple as possible, the S5 series offers three one-touch methods for installers with just a single button press, regardless of whether indoors or outdoors.

Method 1: PCB button press

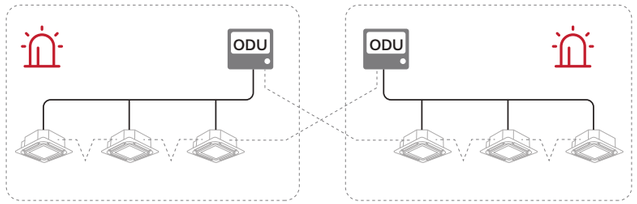
Method 2: NFC(Optional) control on the APP

Method 3: Through the wired controller

- Automatically detect whether the power supply is in reverse or out of phase state.
- Automatically detect abnormal communication and wrong wiring connection.
- Automatically identify pipeline length for more optimal operation.
- Automatically confirm the normal operation of components such as compressors, fan motors, EEVs, four-way valves, etc.

Error-free communication connection

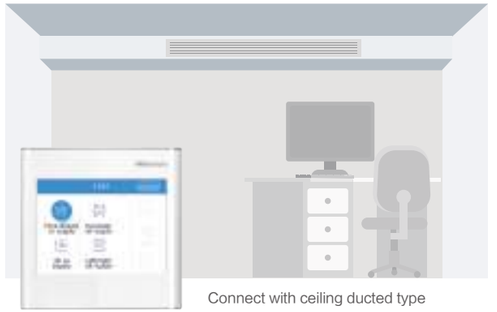
Communication line connections between outdoor unit to indoor units might be confusing when comes to long cables from the outdoors to the indoors and vise versa. It is often incorrectly connected and caused various errors affecting the end user's comfort levels. Despite of Hisense VRF's simple wiring 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

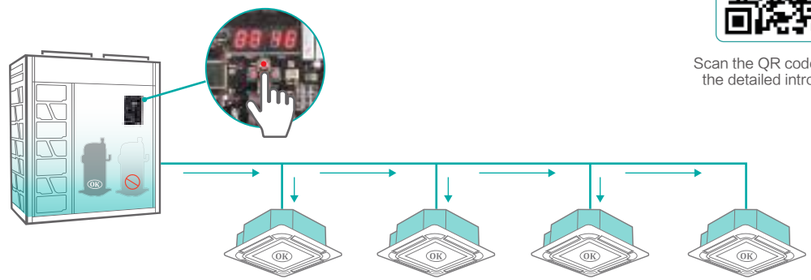
Connect with 4-way cassette type

One-touch refrigerant recycle

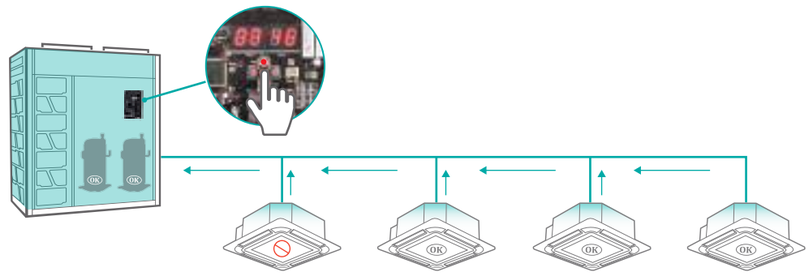
Hisense VRF has one-touch refrigerant recycle function. Just with a press of the button on the PCB, the refrigerant can be recycled directly, it is very helpful and convenient when the indoor units or the compressor are under repair.

Scan the QR code to view the detailed introduction

Replacing Compressor



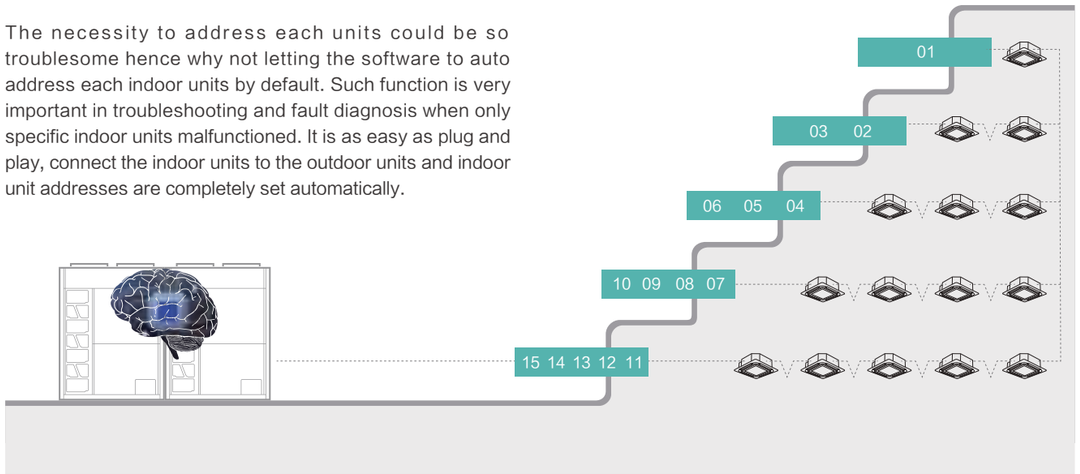
Replacing Indoor Unit



Service & Maintenance Simplicity

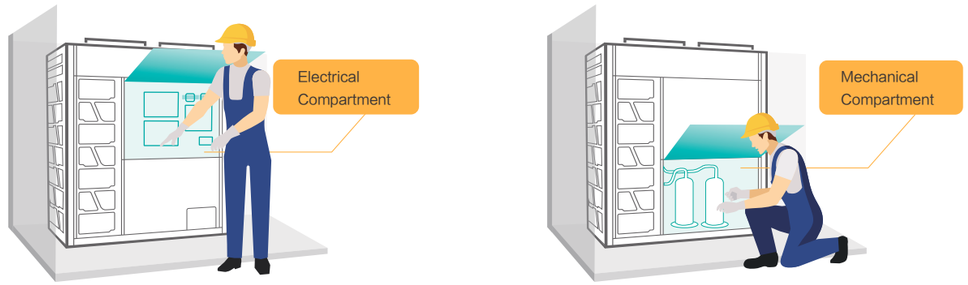
Plug and play automatic addressing

The necessity to address each units could be so troublesome hence why not letting the software to auto address each indoor units by default. Such function is very important in troubleshooting and fault diagnosis when only specific indoor units malfunctioned. It is as easy as plug and play, connect the indoor units to the outdoor units and indoor unit addresses are completely set automatically.



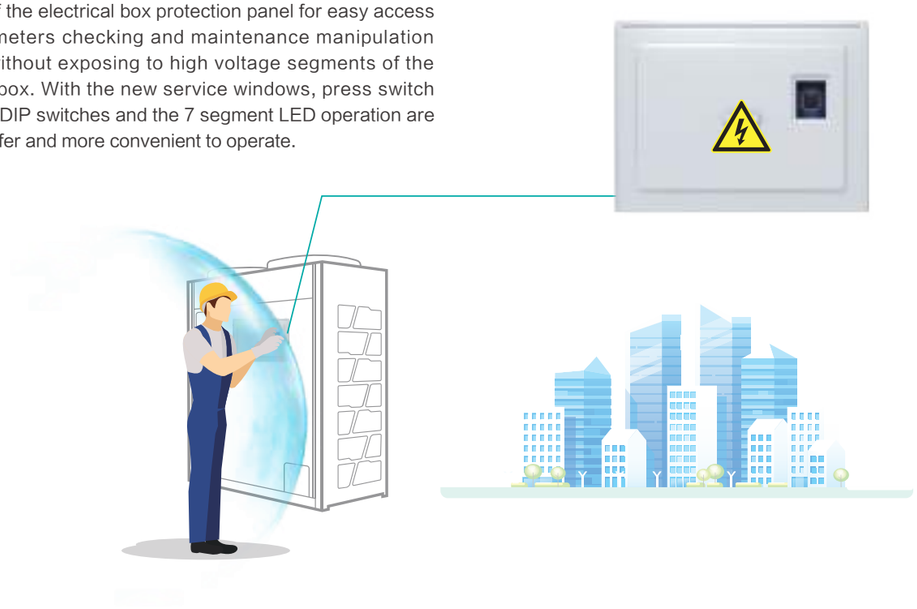
Separated mechanical & electrical compartment

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.



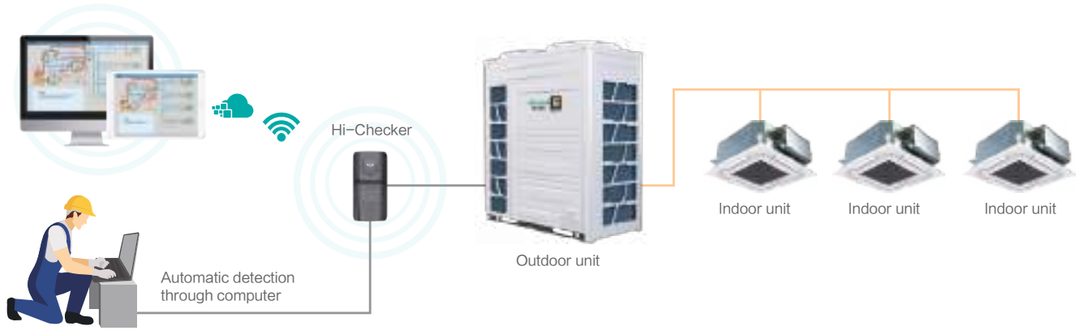
Safe and convenient system management

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

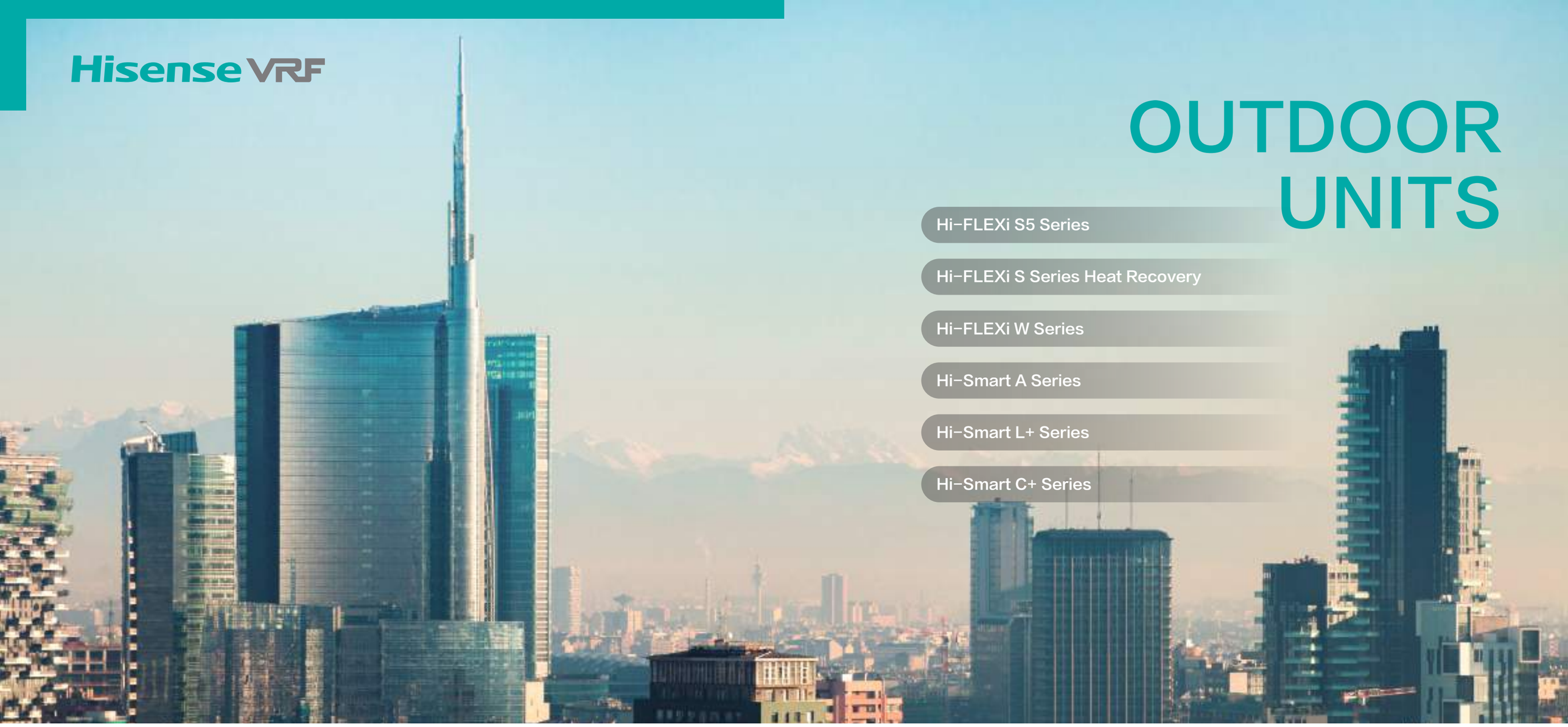
Exclusive Hi-Checker is a super intelligent service tool for system diagnosis, which can provides easy access to service parameters. Detail operation status and recent error history can be checked and analyzed by using Hi-Checker.



Hisense VRF

OUTDOOR UNITS

- Hi-FLEXi S5 Series
- Hi-FLEXi S Series Heat Recovery
- Hi-FLEXi W Series
- Hi-Smart A Series
- Hi-Smart L+ Series
- Hi-Smart C+ Series

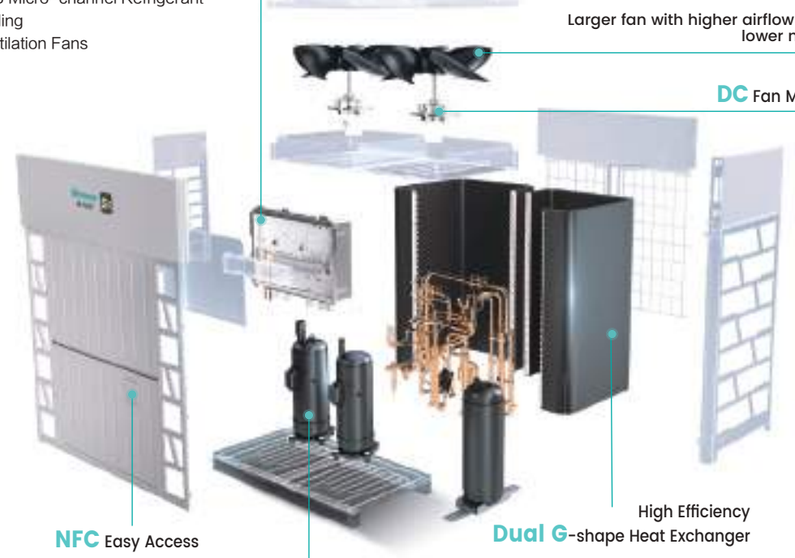


kW	8	10	12	14	16	18	20	22	28	34	40	45	50	56	62	68	74	80	85	90	95	100	106	112	118	123	130	135	140	145	150	156	162	168	174	179	185	190	195	200	206	212	218	224	232	235	241	246	253	259	264	269	274	280	285	290	295	300
Hi-FLEXi S5 Series								■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Hi-FLEXi S Series Heat Recovery								■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Hi-FLEXi W Series								■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Hi-Smart A Series	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Hi-Smart L+ Series			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Hi-Smart C+ Series								■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Hi-FLEXi S5 Series

IP55 Electrical Control Box:

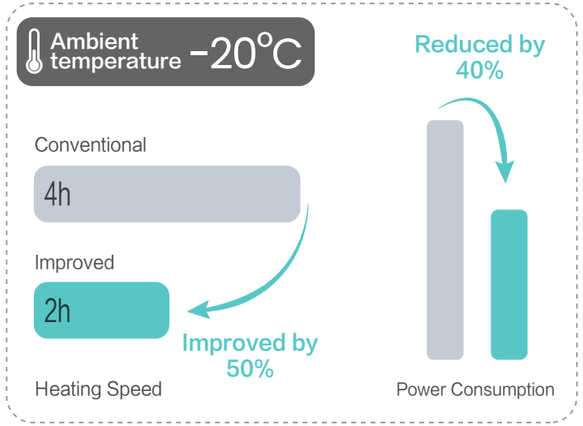
- Smaller size
- Fully-sealed
- PCB Micro-channel Refrigerant Cooling
- Ventilation Fans

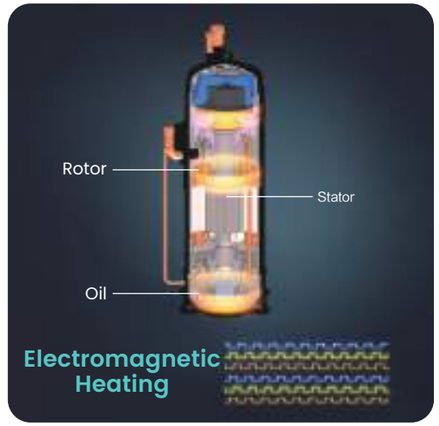


- Enhanced Vapor Injection DC Scroll Compressor
- Electromagnetic Heating Technology

Electromagnetic Heating Technology

The new generation of compressor adopts electromagnetic heating technology, which directly heat the lubricating oil inside the fixed rotor instead of traditional external electric heating belt. With this technology, power consumption can be reduced by 40% and the heating speed improved by 50%.





2W Standby Mode

During long-term standby periods such as holiday or transition season, traditional devices often result in unnecessary energy waste. Hisense S5 Series tackles this issue with its innovative 2W standby mode and circuit design, which not only saves on your electricity bills but also contributes to environmental protection, making the S5 Series a smart choice for both your wallet and the planet.

Note: The function is currently being upgraded.

Aerodynamic Axial Fan

New Enlarged Fan Design

The newly designed Φ750mm large-diameter axial fan can reduce the turbulence around the fan, leading to a 5% increase in static pressure efficiency, a 3dB(A) reduction in noise levels, and a 21% decrease in power consumption for the same airflow volume.

Bird wing inspired shape

Φ750mm
Improved 4 blade design

5% increase in static pressure efficiency

3dB(A) reduction in noise levels

21% decrease in power consumption

Anti-headwind Function

The ODU fans might be blown to the opposite direction when caught in a heavy wind. If the unit suddenly turns on, the fan will rapidly switch from spinning backward to forward, which may damage the fan blades. To prevent this, the S5 series is designed to first stabilize the fan before it starts up and rotate in the correct direction, protecting the fan blades from damage.

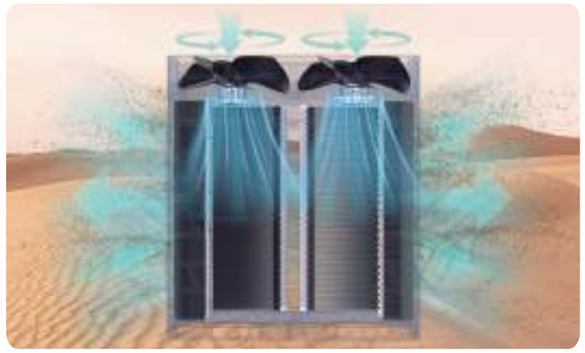
Spin backward

Keep the fan stable

Spin forward

Dust-removal Function

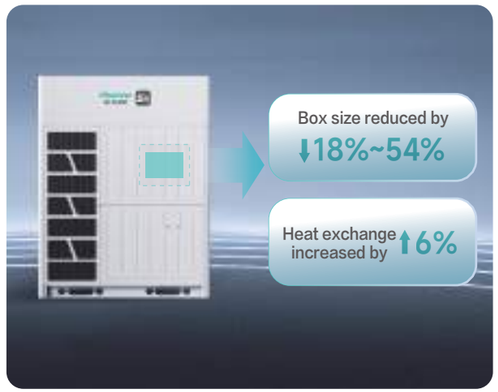
In case of heavy sandstorm or long-term use,the heat exchanger can get clogged by dirt, resulting in a decrease in heat transfer effect and an increase in energy consumption. Hisense innovative "Dust Removal" function solves this problem. When the unit is tuned off, the fans automatically reverse for one minute to remove dust from the surface of the heat exchanger, thereby enhancing product performance and reducing energy use.



IP55 Electrical Control Box

Smaller Size

By adopting miniaturized components and dual-sided layout, the size of electrical box is reduced by 18% to 54% compared to the previous types, making installation more convenient. This design also greatly widens the air duct space, reduces wind resistance, thus improving air circulation rate and increasing heat exchange by 6%.

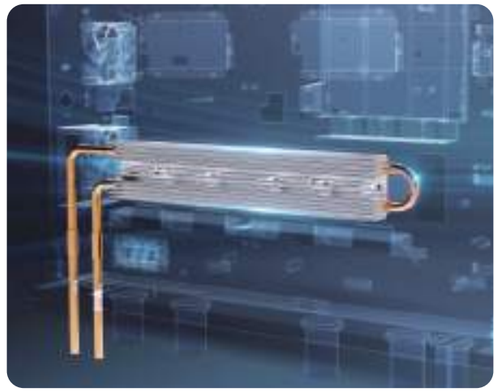


Fully-sealed

The IP55 electric control box features four layers of sealing to prevent rain, snow, sand, dust, insects and fire from entering. It ensures the durability of electrical components and reliability of unit operation.

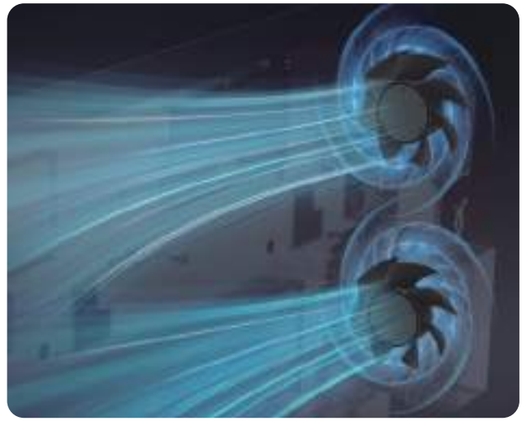
Micro-channel Refrigerant Cooling PCB

The box is cooled by micro-channel refrigerant cooling technology, with thermal resistance reduced by 20% compared to previous copper-aluminum refrigerant pipes. This innovation lowers the internal temperature of the box by 5℃to 10℃ compared to traditional air-cooling methods.



Ventilation Fans

Additionally, the addition of ventilation fans at the back of the box further aids in efficient heat dissipation and temperature reduction by accelerating internal air flow.



Resistant to Harsh Environments

The Hi-FLEXi S5 series has been rigorously tested in a variety of harsh environments, including extreme heat and humidity, freezing rain, heavy snowfall, severe typhoons, and even strong earthquakes, etc. These comprehensive tests have consistently proven its exceptional quality and reliable performance, even under the most challenging conditions.

Test Condition: Tested for 24 hours at 60℃ with 95% humidity

Test Condition: Sprayed with a water flow rate of (12.5±0.625) L/min until ice formation reaches 6mm, and then operated continuously at −7℃ for over 3 hours

Test Condition: Tested for 10 minutes at a simulated hurricane wind speed of 61.2m/s (Category 4)

*Note: According to Saffir-Simpson Hurricane Wind Scale.

Test Condition: Continuous testing under simulated magnitude 8 to 9 earthquake without any additional protection structure

Automatic Refrigerant Management

Refrigerant Self-charging

The S5 series maintains optimal refrigerant level through high-precision automatic refrigerant charging technology, which promotes stable and reliable performance while maximizing energy efficiency. Besides, the process has been greatly simplified compared to conventional manual refrigerant charging, making installation and maintenance easier and more efficient.

Refrigerant Detection

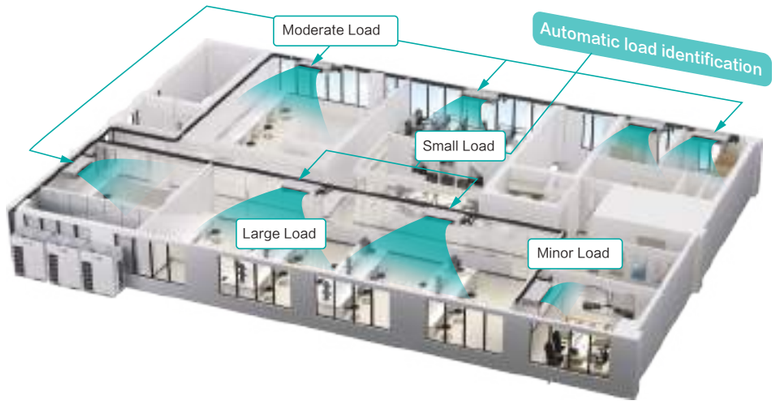
Conduct one-touch detection to identify the refrigerant leakage quickly in case of poor cooling and heating performance, so as to improve the maintenance convenience and efficiency.

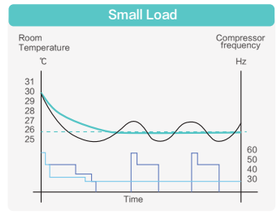
Unit installation → Refrigerant charging → Refrigerant check → NFC data write-in → Poor performance → Repair request → One-touch detection → Repair → END

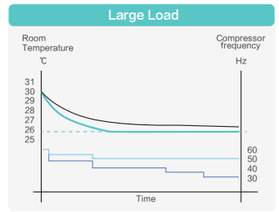
Note: The function is curretnly being upgraded.

Load Balancing Control (LBC) Technology

LBC technology identifies the current load demand of each indoor unit and calculates the optimal air volume and temperature settings based on the unit's capacity, so as to balance the load output of each room. Compared to traditional refrigerant flow control methods, LBC technology increases balancing capacity by 30% and enhances energy efficiency by 18%.







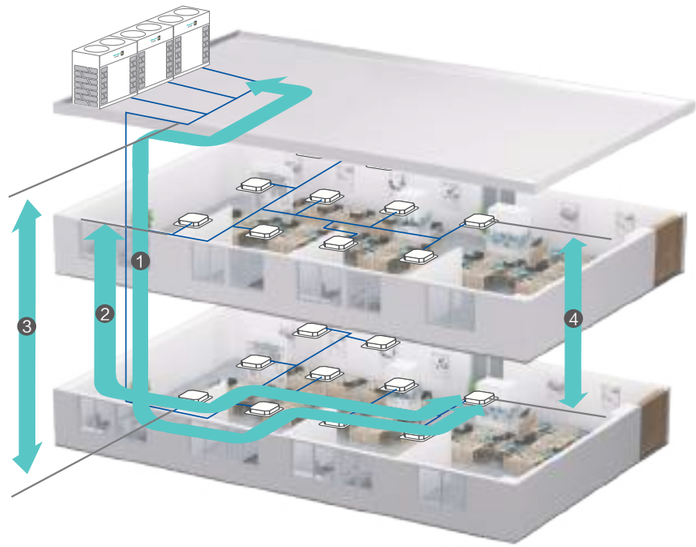
Temperature under LBC control
Frequency under LBC control
Temperature under conventional control
Frequency under conventional control

Flexible Installation with Long Piping

The S5 unit has been optimized for piping, with a maximum total piping length of 1100m and a maximum single pipe length of 220m(equivalent length 260m). Additionally, the maximum connection ratio has also been increased from 30% to 200%* to greatly simplify project design.

Total piping length: **1100m**

1. Maximun actual length of a single pipe: **220m** (equivalent length **260m***)
2. Maximum length from the first branch pipe to the farthest indoor unit: **90m**
3. Maximum height difference between indoor and outdoor units: **110m***
4. Maximum height difference between indoor units: **40m***



*Note: For detailed information, please contact Hisense technical engineer.

Hi-FLEXi S5 Series

Model				AVWT-76HKF5S	AVWT-96HKF5S	AVWT-114HKF5S	AVWT-136HKF5S	AVWT-154HKF5S
Modules				AVWT-76HKF5S	AVWT-96HKF5S	AVWT-114HKF5S	AVWT-136HKF5S	AVWT-154HKF5S
				/	/	/	/	/
				/	/	/	/	/
				/	/	/	/	/
Power Supply				380-415V 3~ 50Hz/60Hz				
Cooling	Capacity		kW	22.4	28.0	33.5	40.0	45.0
			kBtu/h	76.4	95.5	114.3	136.5	153.5
	Power Input		kW	6.03	7.87	9.20	10.89	13.94
	EER		W/W	3.71	3.56	3.64	3.67	3.23
	AEER		W/W	3.48	3.38	3.42	3.49	3.10
	TCSPF	Hot	W/W	5.70/5.19	5.19/4.82	5.82/5.23	5.57/5.07	5.47/4.87
		Mix	W/W	5.90/4.70	5.33/4.44	6.06/4.76	5.75/4.66	5.78/4.49
		Cold	W/W	6.45/4.88	5.72/4.62	6.76/4.99	6.32/4.86	6.56/4.76
Heating	Capacity		kW	25.0	31.5	37.5	45.0	50.0
			kBtu/h	85.3	107.5	128.0	153.5	170.6
	Power Input		kW	5.32	7.29	8.87	11.20	13.76
	COP		W/W	4.70	4.32	4.23	4.02	3.63
	ACOP		W/W	4.36	4.09	3.97	3.82	3.49
	HSPF	Hot	W/W	5.06/5.04	5.12/5.04	5.10/5.07	5.13/5.07	5.01/4.91
		Mix	W/W	4.778/4.55	4.51/3.96	4.72/4.40	4.62/4.23	4.24/3.59
		Cold	W/W	4.38/4.11	3.63/3.18	4.22/3.85	4.01/3.54	3.62/2.99
Ventilation	Air Flow Rate		m³/min	225	225	275	275	292
			L/s	3,750	3,750	4,583	4,583	4,867
	Fan Quantity		pcs	1	1	1	1	1
	Static Pressure		Pa	110	110	110	110	110
Sound Pressure Level*2	Normal Mode		dB(A)	59	59	61	61	63
	Silent Mode		dB(A)	40	40	40	40	40
Compressor	Type		—	Enhanced Vapor Injection Scroll Compressor				
	Quantity		pcs	1	1	1	1	1
Refrigerant	Type		—	R410A				
	Pre-charged Amount		kg	6.6	6.6	7.6	7.6	7.6
Weight	Net Weight		kg	222	222	245	245	245
	Gross Weight		kg	249	249	269	269	269
Dimensions	External (H×W×D)		mm	1800x800x825		1800x940x825		
	Packing (H×W×D)		mm	1960x860x885		1960x1000x885		
Cabinet Color			—	White				
Ref. Piping	Gas Pipe		mm	Φ19.05	Φ22.20	Φ25.40	Φ25.40	Φ28.60
			inch	3/4	7/8	1	1	1-1/8
	Liquid Pipe		mm	Φ9.53	Φ9.53	Φ12.70	Φ12.70	Φ12.70
			inch	3/8	3/8	1/2	1/2	1/2
Connectable Indoor Units	Quantity		pcs	18	20	24	28	32
	Connection Ratio*3		—	30~200%				
Piping Design	Max. Piping Length (Actual)		m	220	220	220	220	220
	Max. Piping Length (Equivalent)		m	260	260	260	260	260
	Height Difference between ODU and IDU		m	110	110	110	110	110
	Height Difference between IDUs		m	40	40	40	40	40
Operation Range	Cooling		DB	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating		WB	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃

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 nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series

Model				AVWT-170HKF5S	AVWT-190HKF5S	AVWT-212HKF5S	AVWT-232HKF5S	AVWT-250HKF5S
Modules				AVWT-170HKF5S	AVWT-190HKF5S	AVWT-212HKF5S	AVWT-232HKF5S	AVWT-250HKF5S
				/	/	/	/	/
				/	/	/	/	/
				/	/	/	/	/
Power Supply				380-415V 3~ 50Hz/60Hz				
Cooling	Capacity		kW	50.4	56.0	61.5	68.0	73.5
			kBtu/h	172.0	191.1	209.8	232.0	250.8
	Power Input		kW	14.38	14.82	18.18	20.62	24.05
	EER		W/W	3.48	3.78	3.38	3.30	3.06
	AEER		W/W	3.30	3.50	3.18	3.12	2.92
	TCSPF	Hot	W/W	5.46/4.96	5.80/5.18	5.41/4.82	5.08/4.62	4.65/4.25
		Mix	W/W	5.71/4.61	6.13/4.80	5.76/4.49	5.32/4.32	4.87/3.99
		Cold	W/W	6.30/4.85	6.96/5.01	6.59/4.72	5.90/4.55	5.38/4.20
Heating	Capacity		kW	56.0	63.0	69.0	75.0	82.5
			kBtu/h	191.1	215.0	235.4	255.9	281.5
	Power Input		kW	14.25	15.11	17.46	20.15	22.74
	COP		W/W	3.93	4.17	3.95	3.72	3.63
	ACOP		W/W	3.73	3.87	3.70	3.52	3.45
	HSPF	Hot	W/W	5.44/5.37	4.50/4.99	4.78/4.77	4.72/4.71	4.21/4.21
		Mix	W/W	4.85/4.36	4.53/4.21	4.31/3.96	3.71/3.43	3.65/3.22
		Cold	W/W	4.17/3.64	3.97/3.54	3.62/3.32	3.23/2.84	3.01/2.71
Ventilation	Air Flow Rate		m³/min	258	317	317	317	400
			L/s	4,300	5,283	5,283	5,283	6,667
	Fan Quantity		pcs	1	2	2	2	2
	Static Pressure		Pa	110	110	110	110	110
Sound Pressure Level*2	Normal Mode		dB(A)	64	65	66	66	66
	Silent Mode		dB(A)	40	40	40	40	40
Compressor	Type		—	Enhanced Vapor Injection Scroll Compressor				
	Quantity		pcs	1	2	2	2	2
Refrigerant	Type		—	R410A				
	Pre-charged Amount		kg	9.4	12.6	12.6	13.1	11.5
Weight	Net Weight		kg	267	368	368	368	406
	Gross Weight		kg	289	399	399	399	430
Dimensions	External (H×W×D)		mm	1800x940x825		1800x1390x825		1800x1600x825
	Packing (H×W×D)		mm	1960x1000x885		1960x1450x885		1960x1660x885
Cabinet Color			—	White				
Ref. Piping	Gas Pipe		mm	Φ28.60	Φ28.60	Φ28.60	Φ28.60	Φ31.75
			inch	1-1/8	1-1/8	1-1/8	1-1/8	1-1/4
	Liquid Pipe		mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ19.05
			inch	5/8	5/8	5/8	5/8	3/4
Connectable Indoor Units	Quantity		pcs	36	40	44	48	52
	Connection Ratio*3		—	30~200%				
Piping Design	Max. Piping Length (Actual)		m	220	220	220	220	220
	Max. Piping Length (Equivalent)		m	260	260	260	260	260
	Height Difference between ODU and IDU		m	110	110	110	110	110
	Height Difference between IDUs		m	40	40	40	40	40
Operation Range	Cooling		DB	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating		WB	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃

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 nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series

Model				AVWT-272HKF5S	AVWT-290HKF5S	AVWT-307HKF5S	AVWT-324HKF5S	AVWT-343HKF5S
Modules				AVWT-272HKF5S	AVWT-290HKF5S	AVWT-307HKF5S	AVWT-324HKF5S	AVWT-343HKF5S
				/	/	/	/	/
				/	/	/	/	/
				/	/	/	/	/
Power Supply				380-415V 3~ 50Hz/60Hz				
Cooling	Capacity		kW	78.5	85.0	90.0	95.4	100.0
			kBtu/h	267.8	290.0	307.1	325.5	344.6
	Power Input		kW	23.39	26.66	28.90	27.26	29.30
	EER		W/W	3.36	3.19	3.11	3.50	3.41
	AEER		W/W	3.16	3.02	2.96	3.29	3.22
	TCSPF	Hot	W/W	5.34/4.82	4.87/4.46	4.90/4.44	4.98/4.61	4.67/4.37
		Mix	W/W	5.65/4.49	5.10/4.17	5.19/4.16	5.17/4.34	4.81/4.14
		Cold	W/W	6.33/4.73	5.63/4.39	5.81/4.38	5.62/4.52	5.16/4.30
Heating	Capacity		kW	87.5	95.0	100.0	106.5	113.0
			kBtu/h	298.6	324.1	341.2	363.4	385.6
	Power Input		kW	20.58	23.25	24.81	25.96	27.87
	COP		W/W	4.25	4.09	4.03	4.10	4.05
	ACOP		W/W	3.97	3.84	3.80	3.85	3.82
	HSPF	Hot	W/W	4.86/4.87	4.82/4.81	4.70/4.70	5.05/5.03	4.93/4.91
		Mix	W/W	4.49/4.24	4.40/4.10	4.28/3.97	4.61/4.28	4.45/4.10
		Cold	W/W	3.96/3.62	3.86/3.47	3.63/3.36	4.05/3.65	3.74/3.44
Ventilation	Air Flow Rate		m^3/min	408	408	467	467	467
			L/s	6,800	6,800	7,783	7,783	7,783
	Fan Quantity		pcs	2	2	2	2	2
	Static Pressure		Pa	110	110	110	110	110
Sound Pressure Level*2	Normal Mode		dB(A)	67	67	67	68	68
	Silent Mode		dB(A)	40	40	40	40	40
Compressor	Type		—	Enhanced Vapor Injection Scroll Compressor				
	Quantity		pcs	2	2	2	2	2
Refrigerant	Type		—	R410A				
	Pre-charged Amount		kg	15.5	15.5	16.1	16.1	16.1
Weight	Net Weight		kg	482	482	482	493	493
	Gross Weight		kg	519	519	519	530	530
Dimensions	External (H × W × D)		mm	1800x1880x825				
	Packing (H × W × D)		mm	1960x1940x885				
Cabinet Color			—	White				
Ref. Piping	Gas Pipe		mm	Φ31.75	Φ31.75	Φ31.75	Φ31.75	Φ38.1
			inch	1-1/4	1-1/4	1-1/4	1-1/4	1-1/2
	Liquid Pipe		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	56	60	64	68	72
	Connection Ratio*3		—	30~200%				
Piping Design	Max. Piping Length (Actual)		m	220	220	220	220	220
	Max. Piping Length (Equivalent)		m	260	260	260	260	260
	Height Difference between ODU and IDU		m	110	110	110	110	110
	Height Difference between IDUs		m	40	40	40	40	40
Operation Range	Cooling		DB	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating		WB	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃

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 nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series

Model				AVWT-366HKF5S	AVWT-386HKF5S	AVWT-402HKF5S	AVWT-424HKF5S
Modules				AVWT-154HKF5S	AVWT-154HKF5S	AVWT-170HKF5S	AVWT-212HKF5S
				AVWT-212HKF5S	AVWT-232HKF5S	AVWT-232HKF5S	AVWT-212HKF5S
				/	/	/	/
				/	/	/	/
Power Supply				380-415V 3~ 50Hz/60Hz			
Cooling	Capacity		kW	106.5	113.0	118.4	123.0
			kBtu/h	363.4	385.6	404.0	419.7
	Power Input		kW	32.12	34.56	35.00	36.36
	EER		W/W	3.32	3.27	3.37	3.38
	AEER		W/W	3.15	3.11	3.19	3.18
	TCSPF	Hot	W/W	5.45/4.85	5.23/4.72	5.23/4.76	5.41/4.82
		Mix	W/W	5.77/4.49	5.50/4.39	5.48/4.44	5.76/4.49
		Cold	W/W	6.58/4.74	6.15/4.63	6.07/4.67	6.59/4.72
Heating	Capacity		kW	119.0	125.0	131.0	138.0
			kBtu/h	406.0	426.5	447.0	470.9
	Power Input		kW	31.22	33.91	34.40	34.92
	COP		W/W	3.81	3.69	3.81	3.95
	ACOP		W/W	3.61	3.51	3.61	3.70
	HSPF	Hot	W/W	4.88/4.83	4.83/4.79	5.00/4.97	4.78/4.77
		Mix	W/W	4.28/3.79	3.91/3.49	4.12/3.77	4.31/3.96
		Cold	W/W	3.62/3.17	3.38/2.90	3.57/3.14	3.62/3.32
Ventilation	Air Flow Rate		m^3/min	609	609	575	634
			L/s	10,150	10,150	9,583	10,567
	Fan Quantity		pcs	3	3	3	4
	Static Pressure		Pa	110	110	110	110
Sound Pressure Level*2	Normal Mode		dB(A)	69	69	69	69
	Silent Mode		dB(A)	43	43	43	43
Compressor	Type		—	Enhanced Vapor Injection Scroll Compressor			
	Quantity		pcs	3	3	3	4
Refrigerant	Type		—	R410A			
	Pre-charged Amount		kg	20.2	20.7	22.5	25.2
Weight	Net Weight		kg	245+368	245+368	267+368	368+368
	Gross Weight		kg	269+399	269+399	289+399	399+399
Dimensions	External (H × W × D)		mm	1800x(1390+940)x825			1800x(1390+1390)x825
	Packing (H × W × D)		mm	1960x(1450+1000)x885			1960x(1450+1450)x885
Cabinet Color			—	White			
Ref. Piping	Gas Pipe		mm	Φ38.1	Φ38.1	Φ38.1	Φ38.1
			inch	1-1/2	1-1/2	1-1/2	1-1/2
	Liquid Pipe		mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
			inch	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity		pcs	76	80	84	88
	Connection Ratio*3		—	30~150%			
Piping Design	Max. Piping Length (Actual)		m	220	220	220	220
	Max. Piping Length (Equivalent)		m	260	260	260	260
	Height Difference between ODU and IDU		m	110	110	110	110
	Height Difference between IDUs		m	40	40	40	40
Operation Range	Cooling		DB	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating		WB	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃

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 nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series

Model					AVWT-444HKF5S	AVWT-464HKF5S	AVWT-482HKF5S	AVWT-500HKF5S
Modules					AVWT-212HKF5S	AVWT-232HKF5S	AVWT-232HKF5S	AVWT-250HKF5S
					AVWT-232HKF5S	AVWT-232HKF5S	AVWT-250HKF5S	AVWT-250HKF5S
					/	/	/	/
					/	/	/	/
Power Supply					380-415V 3~ 50Hz/60Hz			
Cooling	Capacity			kW	129.5	136.0	141.5	147.0
				kBtu/h	441.9	464.0	482.8	501.6
	Power Input			kW	38.80	41.24	44.67	48.10
	EER			W/W	3.34	3.30	3.17	3.06
	AEER			W/W	3.15	3.12	3.01	2.92
	TCSPF		Hot	W/W	5.23/4.71	5.08/4.62	4.85/4.42	4.65/4.25
			Mix	W/W	5.52/4.40	5.33/4.32	5.08/4.15	4.87/3.99
			Cold	W/W	6.21/4.63	5.90/4.55	5.62/4.36	5.38/4.20
Heating	Capacity			kW	144.0	150.0	157.5	165.0
				kBtu/h	491.3	511.8	537.4	563.0
	Power Input			kW	37.61	40.30	42.89	45.48
	COP			W/W	3.83	3.72	3.67	3.63
	ACOP			W/W	3.60	3.52	3.48	3.45
	HSPF		Hot	W/W	4.75/4.74	4.72/4.71	4.44/4.43	4.21/4.21
			Mix	W/W	3.97/3.66	3.71/3.43	3.68/3.32	3.65/3.22
			Cold	W/W	3.40/3.05	3.23/2.84	3.11/2.77	3.01/2.71
Ventilation	Air Flow Rate			m^3/min	634	634	717	800
				L/s	10,567	10,567	11,950	13,333
	Fan Quantity			pcs	4	4	4	4
	Static Pressure			Pa	110	110	110	110
Sound Pressure Level*2	Normal Mode			dB(A)	69	69	69	69
	Silent Mode			dB(A)	43	43	43	43
Compressor	Type			—	Enhanced Vapor Injection Scroll Compressor			
	Quantity			pcs	4	4	4	4
Refrigerant	Type			—	R410A			
	Pre-charged Amount			kg	25.7	26.2	24.6	23
Weight	Net Weight			kg	368+368	368+368	406+368	406+406
	Gross Weight			kg	399+399	399+399	430+399	430+430
Dimensions	External (H × W × D)			mm	1800x(1390+1390)x825		1800x(1600+1390)x825	1800x(1600+1600)x825
	Packing (H × W × D)			mm	1960x(1450+1450)x885		1960x(1660+1450)x885	1960x(1660+1660)x885
Cabinet Color				—	White			
Ref. Piping	Gas Pipe			mm	Φ38.1	Φ41.3	Φ41.3	Φ41.3
				inch	1-1/2	1-5/8	1-5/8	1-5/8
	Liquid Pipe			mm	Φ19.05	Φ22.2	Φ22.2	Φ22.2
				inch	3/4	7/8	7/8	7/8
Connectable Indoor Units	Quantity			pcs	93	97	101	105
	Connection Ratio*3			—	30~150%			
Piping Design	Max. Piping Length (Actual)			m	220	220	220	220
	Max. Piping Length (Equivalent)			m	260	260	260	260
	Height Difference between ODU and IDU			m	110	110	110	110
	Height Difference between IDUs			m	40	40	40	40
Operation Range	Cooling			DB	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating			WB	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃

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 nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series

Model					AVWT-522HKF5S	AVWT-540HKF5S	AVWT-557HKF5S	AVWT-574HKF5S	AVWT-593HKF5S
Modules					AVWT-250HKF5S	AVWT-250HKF5S	AVWT-250HKF5S	AVWT-250HKF5S	AVWT-250HKF5S
					AVWT-272HKF5S	AVWT-290HKF5S	AVWT-307HKF5S	AVWT-324HKF5S	AVWT-343HKF5S
					/	/	/	/	/
					/	/	/	/	/
Power Supply					380-415V 3~ 50Hz/60Hz				
Cooling	Capacity			kW	152.0	158.5	163.5	168.9	173.5
				kBtu/h	518.6	540.8	557.9	576.3	592.0
	Power Input			kW	47.44	50.71	52.95	51.31	53.35
	EER			W/W	3.20	3.13	3.09	3.29	3.25
	AEER			W/W	3.04	2.97	2.94	3.12	3.09
	TCSPF		Hot	W/W	4.98/4.53	4.77/4.36	4.78/4.35	4.83/4.44	4.66/4.32
			Mix	W/W	5.24/4.23	4.99/4.09	5.04/4.08	5.03/4.18	4.46/4.07
			Cold	W/W	5.84/4.46	5.51/4.30	5.61/4.30	5.51/4.37	5.25/4.25
Heating	Capacity			kW	170.0	177.5	182.5	189.0	195.5
				kBtu/h	580.0	605.6	622.7	644.9	667.0
	Power Input			kW	43.32	45.99	47.55	48.70	50.61
	COP			W/W	3.92	3.86	3.84	3.88	3.86
	ACOP			W/W	3.70	3.65	3.63	3.67	3.65
	HSPF		Hot	W/W	4.52/4.52	4.52/4.51	4.47/4.46	4.65/4.63	4.59/4.59
			Mix	W/W	4.04/3.68	4.02/3.64	3.98/3.59	4.14/3.74	4.07/3.67
			Cold	W/W	3.44/3.11	3.41/3.07	3.32/3.03	3.52/3.17	3.39/3.08
Ventilation	Air Flow Rate			m^3/min	808	808	867	867	867
				L/s	13,467	13,467	14,450	14,450	14,450
	Fan Quantity			pcs	4	4	4	4	4
	Static Pressure			Pa	110	110	110	110	110
Sound Pressure Level*2	Normal Mode			dB(A)	70	70	70	71	71
	Silent Mode			dB(A)	43	43	43	43	43
Compressor	Type			—	Enhanced Vapor Injection Scroll Compressor				
	Quantity			pcs	4	4	4	4	4
Refrigerant	Type			—	R410A				
	Pre-charged Amount			kg	27	27	27.6	27.6	27.6
Weight	Net Weight			kg	406+482	406+482	406+482	406+493	406+493
	Gross Weight			kg	430+519	430+519	430+519	430+530	430+530
Dimensions	External (H × W × D)			mm	1800x(1880+1600)x825				
	Packing (H × W × D)			mm	1960x(1940+1660)x885				
Cabinet Color				—	White				
Ref. Piping	Gas Pipe			mm	Φ41.3	Φ41.3	Φ44.5	Φ44.5	Φ44.5
				inch	1-5/8	1-5/8	1-3/4	1-3/4	1-3/4
	Liquid Pipe			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	109	113	117	121	125
	Connection Ratio*3			—	30~150%				
Piping Design	Max. Piping Length (Actual)			m	220	220	220	220	220
	Max. Piping Length (Equivalent)			m	260	260	260	260	260
	Height Difference between ODU and IDU			m	110	110	110	110	110
	Height Difference between IDUs			m	40	40	40	40	40
Operation Range	Cooling			DB	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating			WB	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃

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 nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series

Model				AVWT-614HKF5S	AVWT-631HKF5S	AVWT-650HKF5S	AVWT-667HKF5S	AVWT-686HKF5S
Modules				AVWT-307HKF5S	AVWT-307HKF5S	AVWT-307HKF5S	AVWT-324HKF5S	AVWT-343HKF5S
				AVWT-307HKF5S	AVWT-324HKF5S	AVWT-343HKF5S	AVWT-343HKF5S	AVWT-343HKF5S
				/	/	/	/	/
				/	/	/	/	/
Power Supply				380-415V 3~ 50Hz/60Hz				
Cooling	Capacity		kW	180.0	185.4	190.0	195.4	200.0
			kBtu/h	614.2	632.6	648.3	666.7	682.4
	Power Input		kW	57.80	56.16	58.20	56.56	58.60
	EER		W/W	3.11	3.30	3.26	3.45	3.41
	AEER		W/W	2.96	3.12	3.09	3.25	3.22
	TCSPF	Hot	W/W	4.89/4.44	4.94/4.52	4.77/4.41	4.82/4.49	4.67/4.37
		Mix	W/W	5.19/4.16	5.18/4.25	4.98/4.15	4.98/4.23	4.81/4.14
		Cold	W/W	5.81/4.38	5.71/4.45	5.45/4.34	5.37/4.40	5.16/4.30
Heating	Capacity		kW	200.0	206.5	213.0	219.5	226.0
			kBtu/h	682.4	704.6	726.8	748.9	771.1
	Power Input		kW	49.62	50.77	52.68	53.83	55.74
	COP		W/W	4.03	4.07	4.04	4.08	4.05
	ACOP		W/W	3.80	3.83	3.81	3.83	3.82
	HSPF	Hot	W/W	4.70/4.70	4.88/4.86	4.82/4.81	4.99/4.97	4.93/4.91
		Mix	W/W	4.28/3.97	4.45/4.12	4.37/4.03	4.53/4.19	4.45/4.10
		Cold	W/W	3.63/3.36	3.84/3.50	3.68/3.40	3.88/3.54	3.74/3.44
Ventilation	Air Flow Rate		m^3/min	934	934	934	934	934
			L/s	15,567	15,567	15,567	15,567	15,567
	Fan Quantity		pcs	4	4	4	4	4
	Static Pressure		Pa	110	110	110	110	110
Sound Pressure Level*2	Normal Mode		dB(A)	71	71	71	71	71
	Silent Mode		dB(A)	43	43	43	43	43
Compressor	Type		—	Enhanced Vapor Injection Scroll Compressor				
	Quantity		pcs	4	4	4	4	4
Refrigerant	Type		—	R410A				
	Pre-charged Amount		kg	32.2	32.2	32.2	32.2	32.2
Weight	Net Weight		kg	482+482	482+493	482+493	493+493	493+493
	Gross Weight		kg	519+519	519+530	519+530	530+530	530+530
Dimensions	External (H × W × D)		mm	1800x(1880+1880)x825				
	Packing (H × W × D)		mm	1960x(1940+1940)x885				
Cabinet Color			—	White				
Ref. Piping	Gas Pipe		mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5	Φ44.5
			inch	1-3/4	1-3/4	1-3/4	1-3/4	1-3/4
	Liquid Pipe		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	128	128	128	128	128
	Connection Ratio*3		—	30~150%				
Piping Design	Max. Piping Length (Actual)		m	220	220	220	220	220
	Max. Piping Length (Equivalent)		m	260	260	260	260	260
	Height Difference between ODU and IDU		m	110	110	110	110	110
	Height Difference between IDUs		m	40	40	40	40	40
Operation Range	Cooling		DB	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating		WB	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃

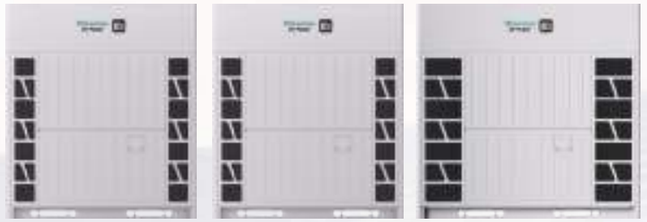
Notes:
1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series

Model				AVWT-714HKF5S	AVWT-732HKF5S	AVWT-750HKF5S	AVWT-772HKF5S
Modules				AVWT-232HKF5S	AVWT-232HKF5S	AVWT-250HKF5S	AVWT-250HKF5S
				AVWT-232HKF5S	AVWT-250HKF5S	AVWT-250HKF5S	AVWT-250HKF5S
				AVWT-250HKF5S	AVWT-250HKF5S	AVWT-250HKF5S	AVWT-272HKF5S
				/	/	/	/
Power Supply				380-415V 3~ 50Hz/60Hz			
Cooling	Capacity		kW	209.5	215.0	220.5	225.5
			kBtu/h	714.8	733.6	752.3	769.4
	Power Input		kW	65.29	68.72	72.15	71.49
	EER		W/W	3.21	3.13	3.06	3.15
	AEER		W/W	3.05	2.98	2.92	3.00
	TCSPF	Hot	W/W	4.92/4.48	4.78/4.36	4.65/4.25	4.87/4.43
		Mix	W/W	5.16/4.20	5.00/4.09	4.87/3.99	5.12/4.15
		Cold	W/W	5.71/4.42	5.54/4.30	5.38/4.20	5.68/4.37
Heating	Capacity		kW	232.5	240.0	247.5	252.5
			kBtu/h	793.3	818.9	844.5	861.5
	Power Input		kW	63.04	65.63	68.22	66.06
	COP		W/W	3.69	3.66	3.63	3.82
	ACOP		W/W	3.50	3.47	3.45	3.62
	HSPF	Hot	W/W	4.53/4.52	4.36/4.35	4.21/4.21	4.41/4.41
		Mix	W/W	3.69/3.35	3.67/3.28	3.65/3.22	3.90/3.51
		Cold	W/W	3.15/2.79	3.08/2.75	3.01/2.71	3.29/2.97
Ventilation	Air Flow Rate		m^3/min	1034	1117	1200	1208
			L/s	17,233	18,617	20,000	20,133
	Fan Quantity		pcs	6	6	6	6
	Static Pressure		Pa	110	110	110	110
Sound Pressure Level*2	Normal Mode		dB(A)	71	71	71	72
	Silent Mode		dB(A)	45	45	45	45
Compressor	Type		—	Enhanced Vapor Injection Scroll Compressor			
	Quantity		pcs	6	6	6	6
Refrigerant	Type		—	R410A			
	Pre-charged Amount		kg	37.7	36.1	34.5	38.5
Weight	Net Weight		kg	406+368+368	406+406+368	406+406+406	482+406+406
	Gross Weight		kg	430+399+399	430+430+399	430+430+430	519+430+430
Dimensions	External (H × W × D)		mm	1800x(1390+1390+1600)x825	1800x(1600+1600+1390)x825	1800x(1600+1600+1600)x825	1800x(1880+1600+1600)x825
	Packing (H × W × D)		mm	1960x(1450+1450+1660)x885	1960x(1660+1660+1450)x885	1960x(1660+1660+1660)x885	1960x(1940+1660+1660)x885
Cabinet Color			—	White			
Ref. Piping	Gas Pipe		mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5
			inch	1-3/4	1-3/4	1-3/4	1-3/4
	Liquid Pipe		mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2
			inch	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity		pcs	128	128	128	128
	Connection Ratio*3		—	30~130%			
Piping Design	Max. Piping Length (Actual)		m	220	220	220	220
	Max. Piping Length (Equivalent)		m	260	260	260	260
	Height Difference between ODU and IDU		m	110	110	110	110
	Height Difference between IDUs		m	40	40	40	40
Operation Range	Cooling		DB	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating		WB	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃

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 nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series



Model				AVWT-790HKF5S	AVWT-807HKF5S	AVWT-824HKF5S	AVWT-843HKF5S
Modules				AVWT-250HKF5S	AVWT-250HKF5S	AVWT-250HKF5S	AVWT-250HKF5S
				AVWT-250HKF5S	AVWT-250HKF5S	AVWT-250HKF5S	AVWT-250HKF5S
				AVWT-290HKF5S	AVWT-307HKF5S	AVWT-324HKF5S	AVWT-343HKF5S
				/	/	/	/
Power Supply				380-415V 3~ 50Hz/60Hz			
Cooling	Capacity		kW	232.0	237.0	242.4	247.0
			kBtu/h	791.6	808.6	827.1	842.8
	Power Input		kW	74.76	77.00	75.36	77.40
	EER		W/W	3.10	3.08	3.22	3.19
	AEER		W/W	2.96	2.93	3.06	3.03
	TCSPF	Hot	W/W	4.73/4.32	4.74/4.32	4.77/4.38	4.66/4.30
		Mix	W/W	4.95/4.06	4.98/4.06	4.98/4.12	4.85/4.05
		Cold	W/W	5.47/4.26	5.54/4.26	5.47/4.32	5.29/4.24
Heating	Capacity		kW	260.0	265.0	271.5	278.0
			kBtu/h	887.1	904.2	926.4	948.5
	Power Input		kW	68.73	70.29	71.44	73.35
	COP		W/W	3.78	3.77	3.80	3.79
	ACOP		W/W	3.58	3.58	3.60	3.59
	HSPF	Hot	W/W	4.41/4.41	4.38/4.38	4.51/4.49	4.47/4.47
		Mix	W/W	3.89/3.49	3.87/3.47	3.98/3.57	3.94/3.52
		Cold	W/W	3.27/2.94	3.22/2.92	3.35/3.01	3.27/2.96
Ventilation	Air Flow Rate		m^3/min	1208	1267	1267	1267
			L/s	20,133	21,117	21,117	21,117
	Fan Quantity		pcs	6	6	6	6
	Static Pressure		Pa	110	110	110	110
Sound Pressure Level*2	Normal Mode		dB(A)	72	72	72	72
	Silent Mode		dB(A)	45	45	45	45
Compressor	Type		—	Enhanced Vapor Injection Scroll Compressor			
	Quantity		pcs	6	6	6	6
Refrigerant	Type		—	R410A			
	Pre-charged Amount		kg	38.5	39.1	39.1	39.1
Weight	Net Weight		kg	482+406+406	482+406+406	493+406+406	493+406+406
	Gross Weight		kg	519+430+430	519+430+430	530+430+430	530+430+430
Dimensions	External (H×W×D)		mm	1800x(1880+1600+1600)x825			
	Packing (H×W×D)		mm	1960x(1940+1660+1660)x885			
Cabinet Color			—	White			
Ref. Piping	Gas Pipe		mm	Φ44.5	Φ50.8	Φ50.8	Φ50.8
			inch	1-3/4	2	2	2
	Liquid Pipe		mm	Φ22.2	Φ25.4	Φ25.4	Φ25.4
			inch	7/8	1	1	1
Connectable Indoor Units	Quantity		pcs	128	128	128	128
	Connection Ratio*3		—	30~130%			
Piping Design	Max. Piping Length (Actual)		m	220	220	220	220
	Max. Piping Length (Equivalent)		m	260	260	260	260
	Height Difference between ODU and IDU		m	110	110	110	110
	Height Difference between IDUs		m	40	40	40	40
Operation Range	Cooling		DB	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating		WB	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃

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 nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series

Model				AVWT-864HKF5S	AVWT-881HKF5S	AVWT-900HKF5S
Modules				AVWT-250HKF5S	AVWT-250HKF5S	AVWT-250HKF5S
				AVWT-307HKF5S	AVWT-307HKF5S	AVWT-307HKF5S
				AVWT-307HKF5S	AVWT-324HKF5S	AVWT-343HKF5S
				/	/	/
Power Supply				380-415V 3~ 50Hz/60Hz		
Cooling	Capacity		kW	253.5	258.9	263.5
			kBtu/h	864.9	883.4	899.1
	Power Input		kW	81.85	80.21	82.25
	EER		W/W	3.10	3.23	3.20
	AEER		W/W	2.95	3.06	3.04
	TCSPF	Hot	W/W	4.82/4.38	4.85/4.44	4.74/4.36
		Mix	W/W	5.09/4.11	5.08/4.17	4.95/4.10
		Cold	W/W	5.68/4.33	5.61/4.38	5.43/4.30
Heating	Capacity		kW	282.5	289.0	295.5
			kBtu/h	963.9	986.1	1008.2
	Power Input		kW	72.36	73.51	75.42
	COP		W/W	3.90	3.93	3.92
	ACOP		W/W	3.69	3.71	3.70
	HSPF	Hot	W/W	4.55/4.54	4.67/4.65	4.63/4.62
		Mix	W/W	4.08/3.72	4.19/3.82	4.14/3.77
		Cold	W/W	3.43/3.14	3.56/3.23	3.47/3.17
Ventilation	Air Flow Rate		m^3/min	1334	1334	1334
			L/s	22,233	22,233	22,233
	Fan Quantity		pcs	6	6	6
	Static Pressure		Pa	110	110	110
Sound Pressure Level*2	Normal Mode		dB(A)	72	72	72
	Silent Mode		dB(A)	45	45	45
Compressor	Type		—	Enhanced Vapor Injection Scroll Compressor		
	Quantity		pcs	6	6	6
Refrigerant	Type		—	R410A		
	Pre-charged Amount		kg	43.7	43.7	43.7
Weight	Net Weight		kg	482+482+406	493+482+406	493+482+406
	Gross Weight		kg	519+519+430	530+519+430	530+519+430
Dimensions	External (H×W×D)		mm	1800x(1880+1880+1600)x825		
	Packing (H×W×D)		mm	1960x(1940+1940+1660)x885		
Cabinet Color			—	White		
Ref. Piping	Gas Pipe		mm	Φ50.8	Φ50.8	Φ50.8
			inch	2	2	2
	Liquid Pipe		mm	Φ25.4	Φ25.4	Φ25.4
			inch	1	1	1
Connectable Indoor Units	Quantity		pcs	128	128	128
	Connection Ratio*3		—	30~130%		
Piping Design	Max. Piping Length (Actual)		m	220	220	220
	Max. Piping Length (Equivalent)		m	260	260	260
	Height Difference between ODU and IDU		m	110	110	110
	Height Difference between IDUs		m	40	40	40
Operation Range	Cooling		DB	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating		WB	-30℃~30℃	-30℃~30℃	-30℃~30℃

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 nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series

Model				AVWT-917HKF5S	AVWT-936HKF5S	AVWT-957HKF5S	AVWT-974HKF5S
Modules				AVWT-250HKF5S	AVWT-250HKF5S	AVWT-307HKF5S	AVWT-307HKF6S
				AVWT-324HKF5S	AVWT-343HKF5S	AVWT-307HKF5S	AVWT-324HKF5S
				AVWT-343HKF5S	AVWT-343HKF5S	AVWT-343HKF5S	AVWT-343HKF5S
				/	/	/	/
Power Supply				380-415V 3~ 50Hz/60Hz			
Cooling	Capacity		kW	268.9	273.5	280.0	285.4
			kBtu/h	917.5	933.2	955.4	973.8
	Power Input		kW	80.61	82.65	87.10	85.46
	EER		W/W	3.34	3.31	3.21	3.34
	AEER		W/W	3.15	3.13	3.05	3.15
	TCSPF	Hot	W/W	4.77/4.42	4.67/4.34	4.81/4.42	4.84/4.47
		Mix	W/W	4.95/4.16	4.83/4.10	5.05/4.15	5.04/4.21
		Cold	W/W	5.38/4.34	5.22/4.27	5.56/4.35	5.50/4.40
Heating	Capacity		kW	302.0	308.5	313.0	319.5
			kBtu/h	1030.4	1052.6	1068.0	1090.1
	Power Input		kW	76.57	78.48	77.49	78.64
	COP		W/W	3.94	3.93	4.04	4.06
	ACOP		W/W	3.72	3.71	3.81	3.82
	HSPF	Hot	W/W	4.75/4.73	4.71/4.70	4.78/4.77	4.89/4.88
		Mix	W/W	4.25/3.87	4.20/3.82	4.34/4.01	4.45/4.11
		Cold	W/W	3.60/3.26	3.51/3.20	3.67/3.39	3.80/3.48
Ventilation	Air Flow Rate		m^3/min	1334	1334	1401	1401
			L/s	22,233	22,233	23,350	23,350
	Fan Quantity		pcs	6	6	6	6
	Static Pressure		Pa	110	110	110	110
Sound Pressure Level*2	Normal Mode		dB(A)	73	73	73	73
	Silent Mode		dB(A)	45	45	45	45
Compressor	Type		—	Enhanced Vapor Injection Scroll Compressor			
	Quantity		pcs	6	6	6	6
Refrigerant	Type		—	R410A			
	Pre-charged Amount		kg	43.7	43.7	48.3	48.3
Weight	Net Weight		kg	493+493+406	493+493+406	493+482+482	493+493+482
	Gross Weight		kg	530+530+430	530+530+430	530+519+519	530+530+519
Dimensions	External (H×W×D)		mm	1800x(1880+1880+1600)x825		1800x(1880+1880+1880)x825	
	Packing (H×W×D)		mm	1960x(1940+1940+1660)x885		1960x(1940+1940+1940)x885	
Cabinet Color			—	White			
Ref. Piping	Gas Pipe		mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8
			inch	2	2	2	2
	Liquid Pipe		mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4
			inch	1	1	1	1
Connectable Indoor Units	Quantity		pcs	128	128	128	128
	Connection Ratio*3		—	30~130%			
Piping Design	Max. Piping Length (Actual)		m	220	220	220	220
	Max. Piping Length (Equivalent)		m	260	260	260	260
	Height Difference between ODU and IDU		m	110	110	110	110
	Height Difference between IDUs		m	40	40	40	40
Operation Range	Cooling		DB	-15℃~55℃	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating		WB	-30℃~30℃	-30℃~30℃	-30℃~30℃	-30℃~30℃

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 nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S5 Series

Model				AVWT-993HKF5S	AVWT-1010HKF5S	AVWT-1029HKF5S
Modules				AVWT-307HKF7S	AVWT-324HKF5S	AVWT-343HKF5S
				AVWT-343HKF5S	AVWT-343HKF5S	AVWT-343HKF5S
				AVWT-343HKF5S	AVWT-343HKF5S	AVWT-343HKF5S
				/	/	/
Power Supply				380-415V 3~ 50Hz/60Hz		
Cooling	Capacity		kW	290.0	295.4	300.0
			kBtu/h	989.5	1007.9	1023.6
	Power Input		kW	87.50	85.86	87.90
	EER		W/W	3.31	3.44	3.41
	AEER		W/W	3.13	3.24	3.22
	TCSPF	Hot	W/W	4.74/4.40	4.77/4.45	4.67/4.38
		Mix	W/W	4.92/4.14	4.92/4.20	4.81/4.14
		Cold	W/W	5.35/4.32	5.30/4.37	5.16/4.30
Heating	Capacity		kW	326.0	332.5	339.0
			kBtu/h	1112.3	1134.5	1156.7
	Power Input		kW	80.55	81.70	83.61
	COP		W/W	4.05	4.07	4.05
	ACOP		W/W	3.81	3.83	3.82
	HSPF	Hot	W/W	4.85/4.84	4.97/4.95	4.93/4.91
		Mix	W/W	4.40/4.06	4.50/4.16	4.45/4.10
		Cold	W/W	3.70/3.41	3.83/3.50	3.74/3.44
Ventilation	Air Flow Rate		m^3/min	1401	1401	1401
			L/s	23,350	23,350	23,350
	Fan Quantity		pcs	6	6	6
	Static Pressure		Pa	110	110	110
Sound Pressure Level*2	Normal Mode		dB(A)	73	73	73
	Silent Mode		dB(A)	45	45	45
Compressor	Type		—	Enhanced Vapor Injection Scroll Compressor		
	Quantity		pcs	6	6	6
Refrigerant	Type		—	R410A		
	Pre-charged Amount		kg	48.3	48.3	48.3
Weight	Net Weight		kg	493+493+482	493+493+493	493+493+493
	Gross Weight		kg	530+530+519	530+530+530	530+530+530
Dimensions	External (H×W×D)		mm	1800x(1880+1880+1880)x825		
	Packing (H×W×D)		mm	1960x(1940+1940+1940)x885		
Cabinet Color			—	White		
Ref. Piping	Gas Pipe		mm	Φ50.8	Φ50.8	Φ50.8
			inch	2	2	2
	Liquid Pipe		mm	Φ25.4	Φ25.4	Φ25.4
			inch	1	1	1
Connectable Indoor Units	Quantity		pcs	128	128	128
	Connection Ratio*3		—	30~130%		
Piping Design	Max. Piping Length (Actual)		m	220	220	220
	Max. Piping Length (Equivalent)		m	260	260	260
	Height Difference between ODU and IDU		m	110	110	110
	Height Difference between IDUs		m	40	40	40
Operation Range	Cooling		DB	-15℃~55℃	-15℃~55℃	-15℃~55℃
	Heating		WB	-30℃~30℃	-30℃~30℃	-30℃~30℃

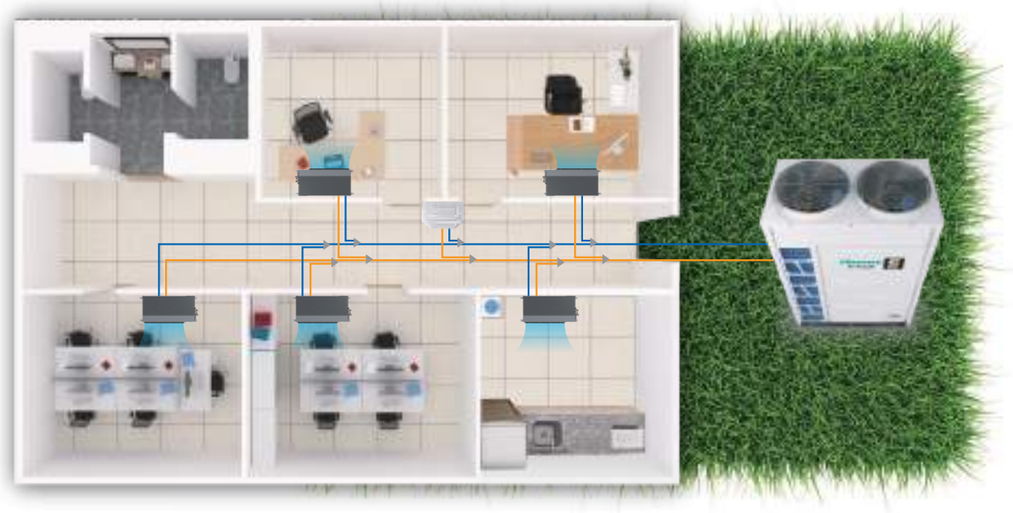
Notes:
1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air nlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.
   Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air nlet 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.
   Measurement point: 1m from the service cover surface and 1.5m from the floor level.
3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

Hi-FLEXi S Heat Recovery Series

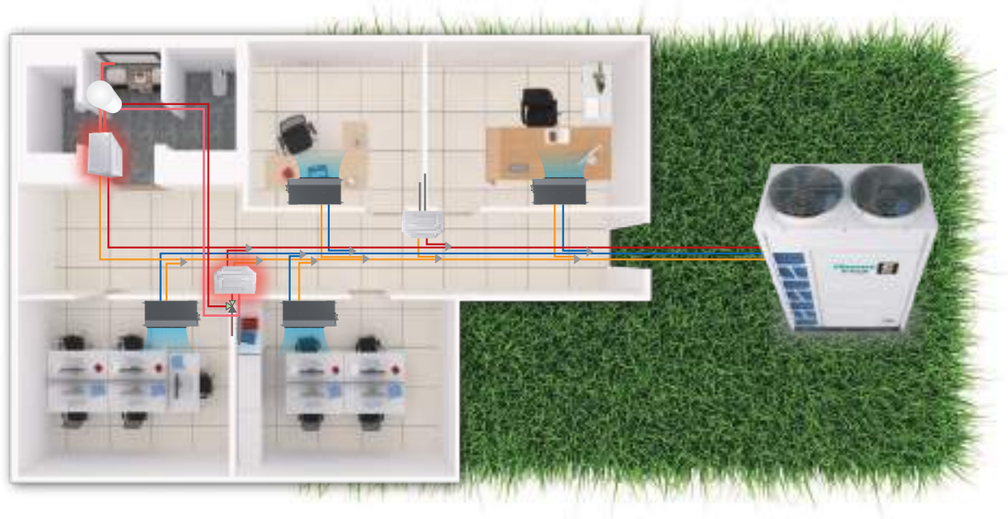
- Excellent design in VRF
- Wide operating range, precise temperature control
- New generation of vapor injection technology

The S series heat recovery unit can make full use of energy to realize cooling and heating simultaneously in heat recovery mode and also can be used as two-pipe systems. Water module is available to be connected in refrigerant system which can support floor heating & DHW & fan coil & radiator to provide more comfortable environment.

Applications of Heat Pump



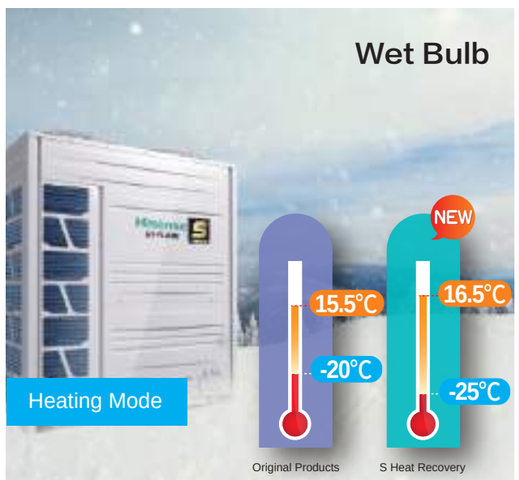
Applications of Heat Recovery

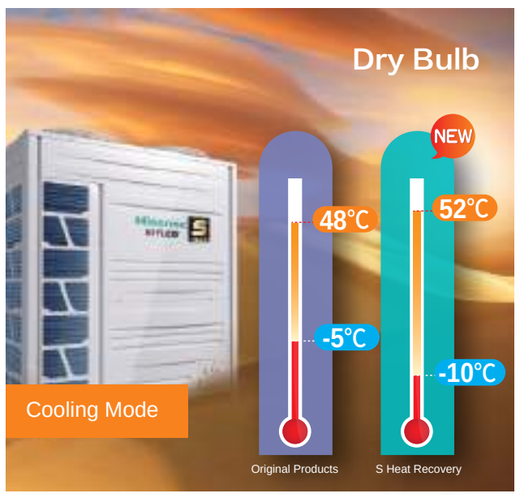


Note：The 3-pipe system can be used with or without SW-BOX. The picture above only shows the case without SW-box.

Wide Operating Range Meets Greater Demand

With wide operating temperature range, it is available to adapt to the different requirements of different environments. In heating mode, the machine can operate at lower ambient temperatures, down to −25℃. In cooling mode, the machine can operate at higher ambient temperatures, up to 52℃.





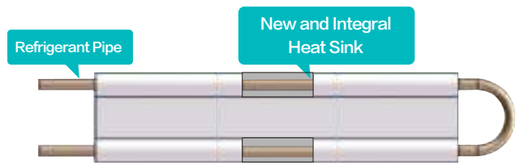
Note: In heating mode, the temperature range of dry bulb is −25℃ to 26℃.

VIP Mode

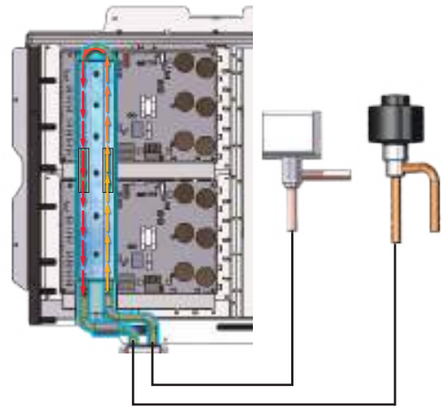
Hisense VRF offers VIP mode to give priority to the specific room, ensuring the AC requirements can be meet with priority. Maximum 5 indoor units can be set as VIP mode at the same time. Such function is exclusively practical for hotel application, where AC unit in the presidential suite is often need to set to VIP.

360° Fitted Refrigerant Cooling Technology

With the 360 ° refrigerant cooling technology, Hi−FLEXi S series heat recovery unit will remove the heat from the main PCB, making inverter module and electrical box stable and efficiency. New and integral heat sink can help to improve the electrical reliability of the unit when it is running under high ambient temperature.

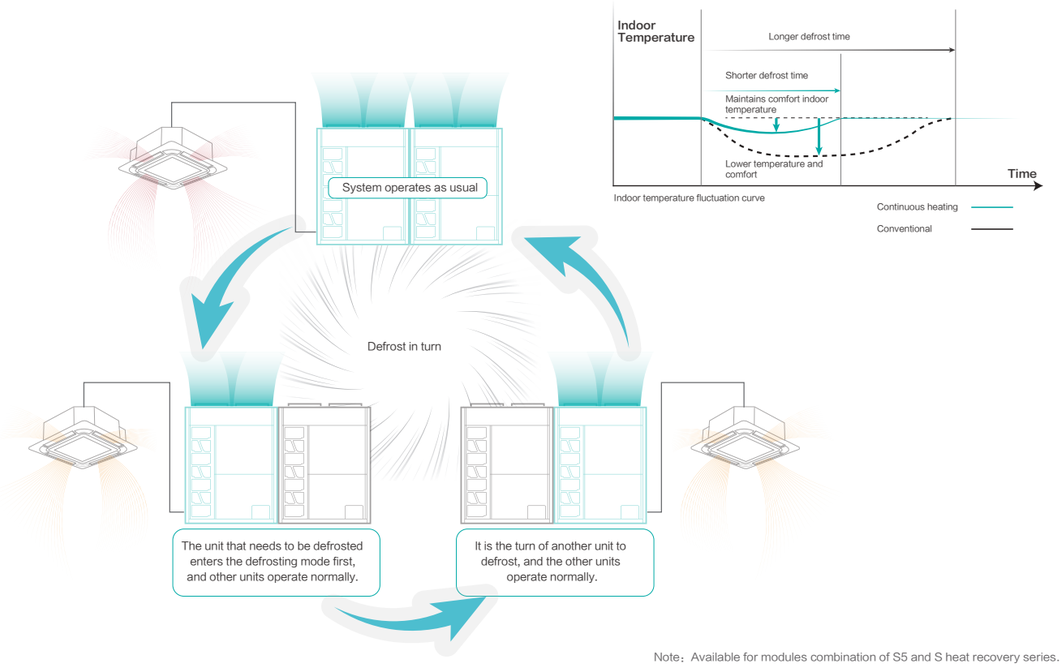


The new electronic expansion valve and solenoid valve are more precise to control temperature of PCB, preventing the temperature from becoming too high or too low, making it stable to operate.



Continuous Heating During Defrost

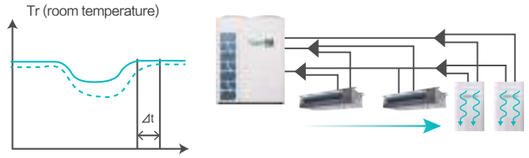
In winter, our products can achieve continuous heating by rotational defrost, providing with a more comfortable and warmer indoor environment.



Note：Available for modules combination of S5 and S heat recovery series.

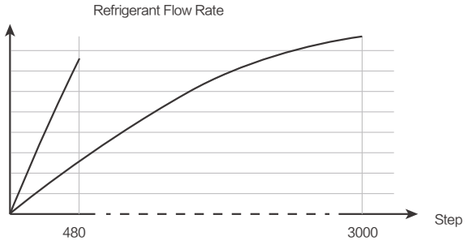
Hydro Box Defrost

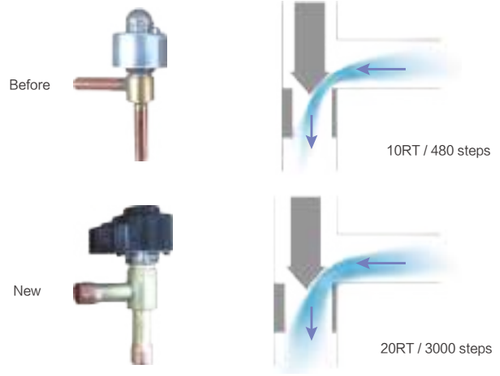
Hi-FLEXi S series heat recovery unit can choose hydro box defrost. There is no doubt that room temperature will be less fluctuation to keep comfort.



Dual 20RT EEV

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





Flexible Long Piping 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.

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

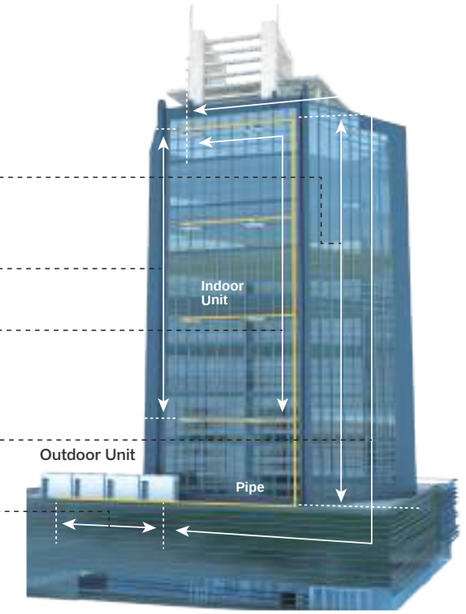
Maximum height difference of indoor units: 30m*(15m)

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

Maximum length of a single pipe: 190 meters
Total length of pipes: 1000 meters

Largest pipe length between outdoor units: 10 meters

*Note: For detailed information, please contact with the professional engineer from Hisense.



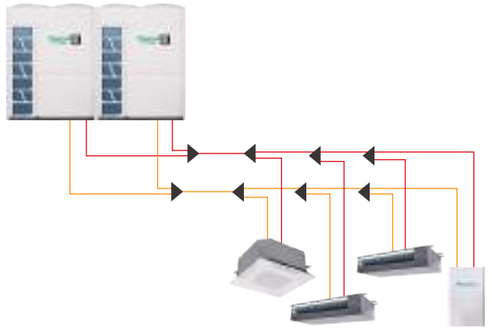
High Match Ratio of ODU and IDUs

Hi-FLEXi S series heat recovery unit can realize that the match radio of ODU and IDUs is 50%~150%(200%)*

Note: If some applications require match ratio up to 200%, please contact with our professional engineer.

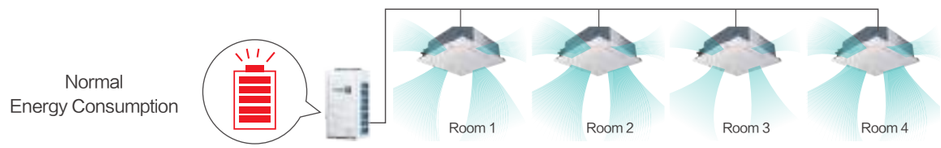
Flexible Connection to Hydro Box

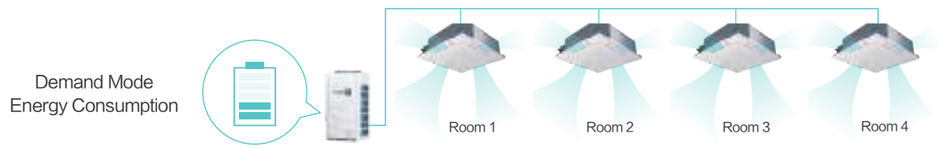
The Hydro Box can be used in both two-pipe and three-pipe systems to provide cold or hot water.



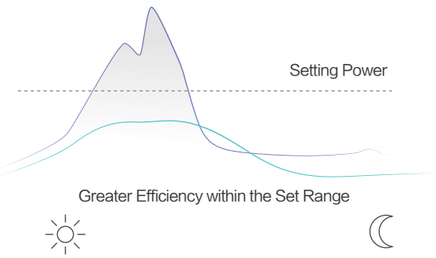
Energy Saving Mode

The intelligent demand mode can adjust the air conditioning automatically according to peak-valley requirements of electricity. It achieves balance between comfort and energy-saving while meeting the power demand for daily work.





When the power consumption value exceeds the set range, it will be restricted



HEAT RECOVERY

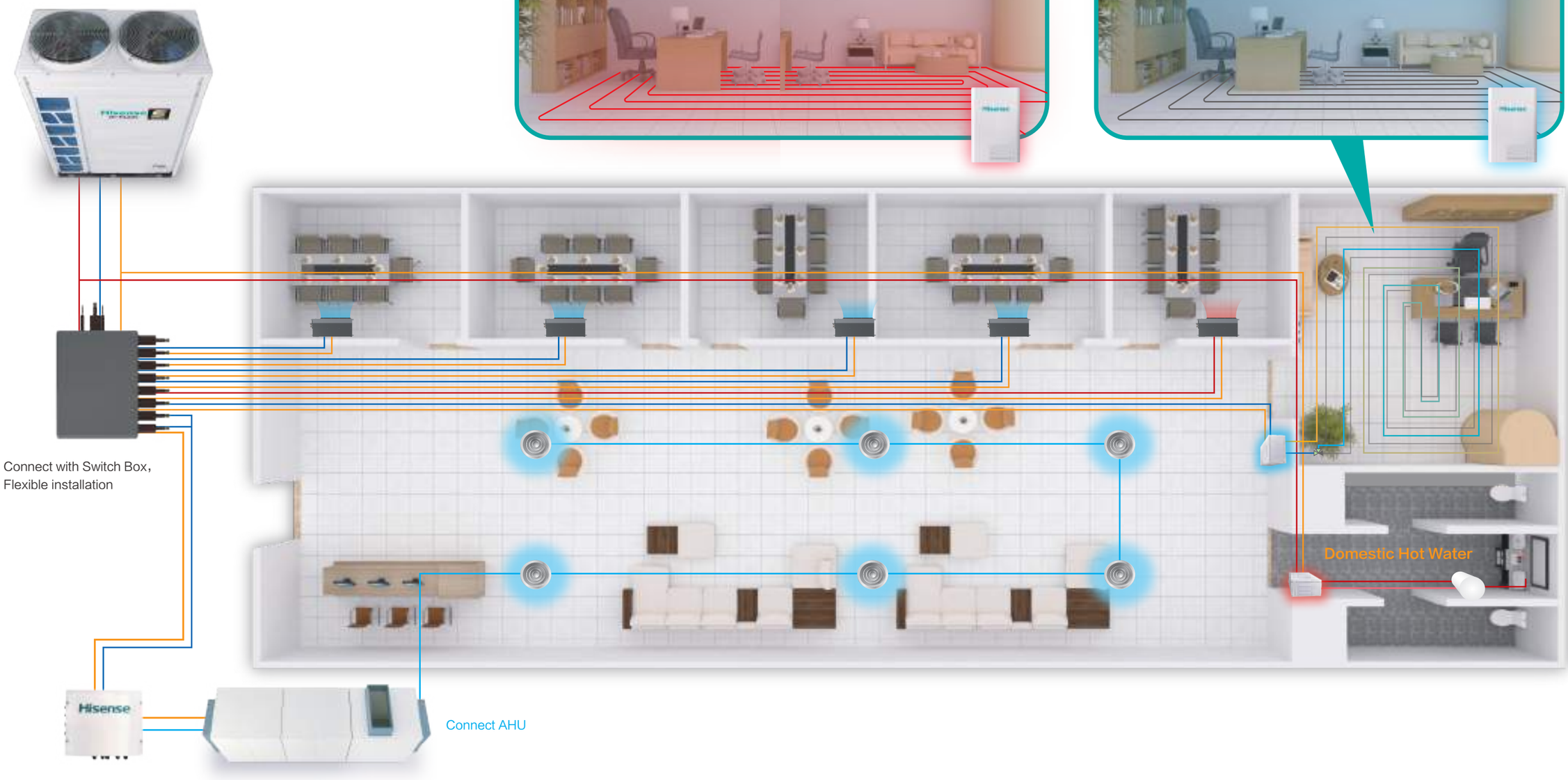
Provides the best solution and wonderful experience to you. By connecting the Switch Box, you can build up a perfect system to integrate indoor units, hydro box and AHU.

Application Case

Simultaneous Cooling and Heating

Floor Heating

Radiant cooling



Connect with Switch Box,
Flexible installation

Connect AHU

Hi-FLEXi S Heat Recovery

	Model		AVWT-76FKFSHA	AVWT-96FKFSHA	AVWT-114FKFSHA	AVWT-136FKFSHA
	Modules		——	——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	22.4	28.0	33.5	40.0
		kBtu/h	76.4	95.5	114.3	136.5
	Power Input	kW	4.77	6.67	7.25	8.70
	EER	kW/kW	4.70	4.20	4.62	4.60
	SEER	kW/kW	8.67	7.87	8.56	8.36
Heating	Capacity (Max/Nom)	kW	25.0/22.4	31.5/28.0	37.5/33.5	45.0/40.0
		kBtu/h	85.3/76.4	107.5/95.5	128.0/114.3	153.5/136.5
	Power Input (Max/Nom)	kW	4.88/4.06	6.29/5.18	7.50/6.20	10.47/8.70
	COP (Max/Nom)	kW/kW	5.12/5.52	5.01/5.41	5.00/5.40	4.30/4.60
	SCOP	kW/kW	4.11	4.21	4.24	3.88
Ventilation	Air Flow Rate	m^3/min	183	183	200	200
		L/s	3050	3050	3333	3333
	Fan Quantity		1	1	2	2
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	(Normal/ Silent)	dB(A)	59/49	60/49	62/51	62/53
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	1	1	1	2
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	6.00	6.00	8.80	9.20
Weight	Net Weight	kg	246	247	290	349
	Gross Weight	kg	276	277	322	381
Dimensions	External(HxWxD)	mm	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750
	Packing(HxWxD)	mm	1950x1015x790	1950x1015x790	1950x1275x790	1950x1275x790
Cabinet Color			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)
	High/Low Pressure Gas Line	mm(in.)	Φ15.88(5/8)	Φ19.05(3/4)	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)
Heat Pump Operation System	Gas Line	mm(in.)	Φ19.05(3/4)	Φ22.20(7/8)	Φ25.40(1)	Φ25.40(1)
	Liquid Line	mm(in.)	Φ9.53(3/8)	Φ9.53(3/8)	Φ12.70(1/2)	Φ12.70(1/2)
Connectable Indoor Units	Quantity	pcs	13	16	19	23
	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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
*1*2: For detailed information, please contact with Hisense technical engineers.

Hi-FLEXi S Heat Recovery

	Model		AVWT-154FKFSHA	AVWT-170FKFSHA	AVWT-190FKFSHA	AVWT-212FKFSHA
	Modules		——	——	——	——
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	45.0	50.0	56.0	61.5
		kBtu/h	153.5	170.6	191.1	209.8
	Power Input	kW	11.22	12.69	14.36	18.41
	EER	kW/kW	4.01	3.94	3.90	3.34
	SEER	kW/kW	7.98	8.03	7.72	7.53
Heating	Capacity (Max/Nom)	kW	50.0/45.0	56.0/50.0	63.0/56.0	69.0/61.5
		kBtu/h	170.6/153.5	191.1/170.6	215.0/191.1	235.4/209.8
	Power Input (Max/Nom)	kW	11.88/10.23	13.97/11.88	15.75/13.40	20.18/16.49
	COP (Max/Nom)	kW/kW	4.21/4.40	4.01/4.21	4.00/4.18	3.42/3.73
	SCOP	kW/kW	3.85	4.10	4.08	4.03
Ventilation	Air Flow Rate	m^3/min	267	298	350	350
		L/s	4450	4967	5833	5833
	Fan Quantity		2	2	2	2
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	(Normal/ Silent)	dB(A)	62/54	62/55	63/52	64/52
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	2	2	2	2
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	9.80	10.60	11.50	11.50
Weight	Net Weight	kg	369	377	400	401
	Gross Weight	kg	404	412	438	439
Dimensions	External(HxWxD)	mm	1730x1350x750	1730x1350x750	1730×1600×750	1730×1600×750
	Packing(HxWxD)	mm	1950x1420x790	1950x1420x790	1950×1665×790	1950×1665×790
Cabinet Color			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)	Φ28.60(1-1/8)
	High/Low Pressure Gas Line	mm(in.)	Φ22.2(7/8)	Φ22.2(7/8)	Φ25.4(1)	Φ25.4(1)
	Liquid Line	mm(in.)	Φ12.70(1/2)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)
Heat Pump Operation System	Gas Line	mm(in.)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ28.60(1-1/8)
	Liquid Line	mm(in.)	Φ12.70(1/2)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)
Connectable Indoor Units	Quantity	pcs	26	29	33	36
	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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
*1*2: For detailed information, please contact with Hisense technical engineers.

Hi-FLEXi S Heat Recovery

	Model		AVWT-228FKFSHA	AVWT-250FKFSHA	AVWT-272FKFSHA	AVWT-290FKFSHA
	Modules		AVWT-114FKFSHA AVWT-114FKFSHA	AVWT-136FKFSHA AVWT-114FKFSHA	AVWT-136FKFSHA AVWT-136FKFSHA	AVWT-154FKFSHA AVWT-136FKFSHA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	67.0	73.5	80.0	85.0
		kBtu/h	228.6	250.8	273.0	290.0
	Power Input	kW	14.50	15.95	17.40	19.92
	EER	kW/kW	4.62	4.61	4.60	4.27
Heating	Capacity (Max/Nom)	kW	75.0/67.0	82.5/73.5	90.0/80.0	95.0/85.0
		kBtu/h	255.9/228.6	281.5/250.8	307.1/273.0	324.1/290.0
	Power Input (Max/Nom)	kW	15.00/12.40	17.97/14.90	20.94/17.40	22.35/18.93
	COP (Max/Nom)	kW/kW	5.00/5.40	4.59/4.93	4.30/4.60	4.25/4.49
Ventilation	Air Flow Rate	m^3/min	400	400	400	467
		L/s	6667	6667	6667	7783
	Fan Quantity		4	4	4	4
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	(Normal/ Silent)	dB(A)	65/54	65/55	65/56	65/57
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	2	3	4	4
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	17.60	18.00	18.40	19.00
Weight	Net Weight	kg	580	639	698	718
	Gross Weight	kg	644	703	762	785
Dimensions	External(HxWxD)	mm	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1350) x750
	Packing(HxWxD)	mm	1950x (1275+1275) x790	1950x (1275+1275) x790	1950x (1275+1275) x790	1950x (1275+1420) x790
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ28.60(1-1/8)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)
	High/Low Pressure Gas Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ28.6(1-1/8)	Φ28.6(1-1/8)
	Liquid Line	mm(in.)	Φ15.88(5/8)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.)	Φ28.60(1-1/8)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)
	Liquid Line	mm(in.)	Φ15.88(5/8)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Connectable Indoor Units	Quantity	pcs	40	43	47	50
	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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
*1*2: For detailed information, please contact with Hisense technical engineers.

Hi-FLEXi S Heat Recovery

	Model		AVWT-308FKFSHA	AVWT-324FKFSHA	AVWT-340FKFSHA	AVWT-360FKFSHA
	Modules		AVWT-154FKFSHA AVWT-154FKFSHA	AVWT-170FKFSHA AVWT-154FKFSHA	AVWT-170FKFSHA AVWT-170FKFSHA	AVWT-190FKFSHA AVWT-170FKFSHA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	90.0	95.0	100.0	106.0
		kBtu/h	307.1	324.1	341.2	361.7
	Power Input	kW	22.44	23.91	25.38	27.05
	EER	kW/kW	4.01	3.97	3.94	3.92
Heating	Capacity (Max/Nom)	kW	100.0/90.0	106.0/95.0	112.0/100.0	119.0/106.0
		kBtu/h	341.2/307.1	361.7/324.1	382.1/341.2	406.0/361.7
	Power Input (Max/Nom)	kW	23.76/20.46	25.85/22.11	27.94/23.76	29.72/25.28
	COP (Max/Nom)	kW/kW	4.21/4.40	4.10/4.30	4.01/4.21	4.00/4.19
Ventilation	Air Flow Rate	m^3/min	534	565	596	648
		L/s	8900	9417	9933	10800
	Fan Quantity		4	4	4	4
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	(Normal/ Silent)	dB(A)	65/57	65/58	65/58	66/57
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	4	4	4	4
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	19.60	20.40	21.20	22.10
Weight	Net Weight	kg	738	746	754	777
	Gross Weight	kg	808	816	824	850
Dimensions	External(HxWxD)	mm	1730x (1350+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750	1730x (1350+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1420) x790	1950x (1420+1420) x790	1950x (1420+1420) x790	1950x (1420+1665) x790
Cabinet Color			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)	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)	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)
Heat Pump Operation System	Gas Line	mm(in.)	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)
Connectable Indoor Units	Quantity	pcs	53	56	59	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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
*1*2: For detailed information, please contact with Hisense technical engineers.

Hi-FLEXi S Heat Recovery

	Model		AVWT-380FKFSHA	AVWT-402FKFSHA	AVWT-424FKFSHA
	Modules		AVWT-190FKFSHA AVWT-190FKFSHA	AVWT-212FKFSHA AVWT-190FKFSHA	AVWT-212FKFSHA AVWT-212FKFSHA
	Power Supply		AC 3Φ, 380-415V/50/60Hz		
Cooling	Capacity	kW	112.0	117.5	123.0
		kBtu/h	382.1	400.9	419.7
	Power Input	kW	28.72	32.77	36.82
	EER	kW/kW	3.90	3.59	3.34
Heating	Capacity (Max/Nom)	kW	126.0/112.0	132.0/117.5	138.0/123.0
		kBtu/h	429.9/382.1	450.4/400.9	470.9/419.7
	Power Input (Max/Nom)	kW	31.50/26.80	35.93/29.89	40.36/32.98
	COP (Max/Nom)	kW/kW	4.00/4.18	3.67/3.93	3.42/3.73
Ventilation	Air Flow Rate	m^3/min	700	700	700
		L/s	11667	11667	11667
	Fan Quantity		4	4	4
	Static Pressure	Pa	110	110	110
Sound Pressure Level	(Normal/ Silent)	dB(A)	66/55	67/55	67/55
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor		
	Compressor Quantity	pcs	4	4	4
Refrigerant	Type	–	R410A		
	Pre-charged Quantity	kg	23.00	23.00	23.00
Weight	Net Weight	kg	800	801	802
	Gross Weight	kg	876	877	878
Dimensions	External(HxWxD)	mm	1730x (1600+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
	Packing(HxWxD)	mm	1950x (1665+1665) x790	1950x (1665+1665) x790	1950x (1665+1665) x790
Cabinet Color			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)
	High/Low Pressure Gas Line	mm(in.)	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)
Heat Pump Operation System	Gas Line	mm(in.)	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)
Connectable Indoor Units	Quantity	pcs	64	64	64
	Total Capacity	–	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)
		m(below)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
*1*2: For detailed information, please contact with Hisense technical engineers.

Hi-FLEXi S Heat Recovery

	Model		AVWT-444FKFSHA	AVWT-462FKFSHA	AVWT-478FKFSHA	AVWT-494FKFSHA
	Modules		AVWT-154FKFSHA AVWT-154FKFSHA AVWT-136FKFSHA	AVWT-154FKFSHA AVWT-154FKFSHA AVWT-154FKFSHA	AVWT-170FKFSHA AVWT-154FKFSHA AVWT-154FKFSHA	AVWT-170FKFSHA AVWT-170FKFSHA AVWT-154FKFSHA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	130.0	135.0	140.0	145.0
		kBtu/h	443.6	460.6	477.7	494.7
	Power Input	kW	31.14	33.66	35.13	36.60
	EER	kW/kW	4.17	4.01	3.99	3.96
Heating	Capacity (Max/Nom)	kW	145.0/130.0	150.0/135.0	156.0/140.0	162.0/145.0
		kBtu/h	494.7/443.6	511.8/460.6	532.3/477.7	552.7/494.7
	Power Input (Max/Nom)	kW	34.23/29.16	35.64/30.69	37.73/32.34	39.82/33.99
	COP (Max/Nom)	kW/kW	4.24/4.46	4.21/4.40	4.13/4.33	4.07/4.27
Ventilation	Air Flow Rate	m^3/min	734	801	832	863
		L/s	12233	13350	13867	14383
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	(Normal/ Silent)	dB(A)	67/58	67/59	67/59	67/59
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	28.80	29.40	30.20	31.00
Weight	Net Weight	kg	1087	1107	1115	1123
	Gross Weight	kg	1189	1212	1220	1228
Dimensions	External(HxWxD)	mm	1730x (1210+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750	1730x (1350+1350+1350) x750
	Packing(HxWxD)	mm	1950x (1275+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) x790	1950x (1420+1420+1420) 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)	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)
	Liquid Line	mm(in.)	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)
	Liquid Line	mm(in.)	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
	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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
*1*2: For detailed information, please contact with Hisense technical engineers.

Hi-FLEXi S Heat Recovery

Model			AVWT-510FKFSHA	AVWT-530FKFSHA	AVWT-550FKFSHA	AVWT-570FKFSHA
Modules			AVWT-170FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA	AVWT-190FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA	AVWT-190FKFSHA AVWT-190FKFSHA AVWT-170FKFSHA	AVWT-190FKFSHA AVWT-190FKFSHA AVWT-190FKFSHA
Power Supply			AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	150.0	156.0	162.0	168.0
		kBtu/h	511.8	532.3	552.7	573.2
	Power Input	kW	38.07	39.74	41.41	43.08
	EER	kW/kW	3.94	3.93	3.91	3.90
Heating	Capacity (Max/Nom)	kW	168.0/150.0	175.0/156.0	182.0/162.0	189.0/168.0
		kBtu/h	573.2/511.8	597.1/532.3	621.0/552.7	644.9/573.2
	Power Input (Max/Nom)	kW	41.91/35.64	43.69/37.16	45.47/38.68	47.25/40.20
	COP (Max/Nom)	kW/kW	4.01/4.21	4.01/4.20	4.00/4.19	4.00/4.18
Ventilation	Air Flow Rate	m^3/min	894	946	998	1050
		L/s	14900	15767	16633	17500
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	(Normal/ Silent)	dB(A)	67/60	67/59	67/58	68/57
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	31.80	32.70	33.60	34.50
Weight	Net Weight	kg	1131	1154	1177	1200
	Gross Weight	kg	1236	1262	1288	1314
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350) x750	1730x (1350+1350+1600) x750	1730x (1350+1600+1600) x750	1730x (1600+1600+1600) x750
	Packing(HxWxD)	mm	1950x (1420+1420+1420) x790	1950x (1420+1420+1665) x790	1950x (1420+1665+1665) x790	1950x (1665+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)	Φ41.3(1-5/8)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	High/Low Pressure Gas Line	mm(in.)	Φ31.75(1-1/4)	Φ38.1(1-1/2)	Φ41.3(1-5/8)	Φ41.3(1-5/8)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ22.2(7/8)	Φ22.2(7/8)	Φ22.2(7/8)
Heat Pump Operation System	Gas Line	mm(in.)	Φ38.1(1-1/2)	Φ41.3(1-5/8)	Φ44.5(1-3/4)	Φ44.5(1-3/4)
	Liquid Line	mm(in.)	Φ19.05(3/4)	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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
*1*2: For detailed information, please contact with Hisense technical engineers.

Hi-FLEXi S Heat Recovery

Model			AVWT-592FKFSHA	AVWT-614FKFSHA	AVWT-636FKFSHA
Modules			AVWT-212FKFSHA AVWT-190FKFSHA AVWT-190FKFSHA	AVWT-212FKFSHA AVWT-212FKFSHA AVWT-190FKFSHA	AVWT-212FKFSHA AVWT-212FKFSHA AVWT-212FKFSHA
Power Supply			AC 3Φ, 380-415V/50/60Hz		
Cooling	Capacity	kW	173.5	179.0	184.5
		kBtu/h	592.0	610.7	629.5
	Power Input	kW	47.13	51.18	55.23
	EER	kW/kW	3.68	3.50	3.34
Heating	Capacity (Max/Nom)	kW	195.0/173.5	201.0/179.0	207.0/184.5
		kBtu/h	665.3/592.0	685.8/610.7	706.3/629.5
	Power Input (Max/Nom)	kW	51.68/43.29	56.11/46.38	60.54/49.47
	COP (Max/Nom)	kW/kW	3.77/4.01	3.58/3.86	3.42/3.73
Ventilation	Air Flow Rate	m^3/min	1050	1050	1050
		L/s	17500	17500	17500
	Fan Quantity		6	6	6
	Static Pressure	Pa	110	110	110
Sound Pressure Level	(Normal/ Silent)	dB(A)	68/57	68/57	69/57
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor		
	Compressor Quantity	pcs	6	6	6
Refrigerant	Type	–	R410A		
	Pre-charged Quantity	kg	34.50	34.50	34.50
Weight	Net Weight	kg	1201	1202	1203
	Gross Weight	kg	1315	1316	1317
Dimensions	External(HxWxD)	mm	1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750
	Packing(HxWxD)	mm	1950x (1665+1665+1665) x790	1950x (1665+1665+1665) x790	1950x (1665+1665+1665) x790
Cabinet Color			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)
	High/Low Pressure Gas Line	mm(in.)	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)
Heat Pump Operation System	Gas Line	mm(in.)	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)
Connectable Indoor Units	Quantity	pcs	64	64	64
	Total Capacity	–	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)
		m(below)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
*1*2: For detailed information, please contact with Hisense technical engineers.

Hi-FLEXi S Heat Recovery

	Model		AVWT-648FKFSHA	AVWT-664FKFSHA	AVWT-680FKFSHA	AVWT-700FKFSHA
	Modules		AVWT-170FKFSHA AVWT-170FKFSHA AVWT-154FKFSHA AVWT-154FKFSHA	AVWT-170FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA AVWT-154FKFSHA	AVWT-170FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA	AVWT-190FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	190.0	195.0	200.0	206.0
		kBtu/h	648.3	665.3	682.4	702.9
	Power Input	kW	47.82	49.29	50.76	52.43
	EER	kW/kW	3.97	3.96	3.94	3.93
Heating	Capacity (Max/Nom)	kW	212.0/190.0	218.0/195.0	224.0/200.0	231.0/206.0
		kBtu/h	723.3/648.3	743.8/665.3	764.3/682.4	788.2/702.9
	Power Input (Max/Nom)	kW	51.70/44.22	53.79/45.87	55.88/47.52	57.66/49.04
	COP (Max/Nom)	kW/kW	4.10/4.30	4.05/4.25	4.01/4.21	4.01/4.20
Ventilation	Air Flow Rate	m³/min	1130	1161	1192	1244
		L/s	18833	19350	19867	20733
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	(Normal/ Silent)	dB(A)	68/61	68/61	68/61	68/60
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	40.80	41.60	42.40	43.30
Weight	Net Weight	kg	1492	1500	1508	1531
	Gross Weight	kg	1632	1640	1648	1674
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+1600) 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+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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
*1*2: For detailed information, please contact with Hisense technical engineers.

Hi-FLEXi S Heat Recovery

	Model		AVWT-720FKFSHA	AVWT-740FKFSHA	AVWT-760FKFSHA	AVWT-782FKFSHA
	Modules		AVWT-190FKFSHA AVWT-190FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA	AVWT-190FKFSHA AVWT-190FKFSHA AVWT-190FKFSHA AVWT-190FKFSHA	AVWT-190FKFSHA AVWT-190FKFSHA AVWT-190FKFSHA AVWT-190FKFSHA	AVWT-212FKFSHA AVWT-190FKFSHA AVWT-190FKFSHA AVWT-190FKFSHA
	Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW	212.0	218.0	224.0	229.5
		kBtu/h	723.3	743.8	764.3	783.1
	Power Input	kW	54.10	55.77	57.44	61.49
	EER	kW/kW	3.92	3.91	3.90	3.73
Heating	Capacity (Max/Nom)	kW	238.0/212.0	245.0/218.0	252.0/224.0	258.0/229.5
		kBtu/h	812.1/723.3	835.9/743.8	859.8/764.3	880.3/783.1
	Power Input (Max/Nom)	kW	59.44/50.56	61.22/52.08	63.00/53.60	67.43/56.69
	COP (Max/Nom)	kW/kW	4.00/4.19	4.00/4.19	4.00/4.18	3.83/4.05
Ventilation	Air Flow Rate	m³/min	1296	1348	1400	1400
		L/s	21600	22467	23333	23333
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound Pressure Level	(Normal/ Silent)	dB(A)	69/60	69/59	69/58	69/58
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	–	R410A			
	Pre-charged Quantity	kg	44.20	45.10	46.00	46.00
Weight	Net Weight	kg	1554	1577	1600	1601
	Gross Weight	kg	1700	1726	1752	1753
Dimensions	External(HxWxD)	mm	1730x (1350+1350+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 (1665+1665+1665+1665) x790	1950x (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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
*1*2: For detailed information, please contact with Hisense technical engineers.

Hi-FLEXi S Heat Recovery

	Model		AVWT-804FKFSHA	AVWT-826FKFSHA	AVWT-848FKFSHA
	Modules		AVWT-212FKFSHA AVWT-212FKFSHA AVWT-190FKFSHA AVWT-190FKFSHA	AVWT-212FKFSHA AVWT-212FKFSHA AVWT-212FKFSHA AVWT-190FKFSHA	AVWT-212FKFSHA AVWT-212FKFSHA AVWT-212FKFSHA AVWT-212FKFSHA
	Power Supply		AC 3Φ, 380~415V/50/60Hz		
Cooling	Capacity	kW	235.0	240.5	246.0
		kBtu/h	801.8	820.6	839.4
	Power Input	kW	65.54	69.59	73.64
	EER	kW/kW	3.59	3.46	3.34
Heating	Capacity (Max/Nom)	kW	264.0/235.0	270.0/240.5	276.0/246.0
		kBtu/h	900.8/801.8	921.2/820.6	941.7/839.4
	Power Input (Max/Nom)	kW	71.86/59.78	76.29/62.87	80.72/65.96
	COP (Max/Nom)	kW/kW	3.67/3.93	3.54/3.83	3.42/3.73
Ventilation	Air Flow Rate	m^3/min	1400	1400	1400
		L/s	23333	23333	23333
	Fan Quantity		8	8	8
	Static Pressure	Pa	110	110	110
Sound Pressure Level	(Normal/ Silent)	dB(A)	70/58	70/58	70/58
Compressor	Type	–	Enhanced Vapor Injection Scroll Compressor		
	Compressor Quantity	pcs	8	8	8
Refrigerant	Type	–	R410A		
	Pre-charged Quantity	kg	46.00	46.00	46.00
Weight	Net Weight	kg	1602	1603	1604
	Gross Weight	kg	1754	1755	1756
Dimensions	External(HxWxD)	mm	1730x (1600+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750	1730x (1600+1600+1600+1600) x750
	Packing(HxWxD)	mm	1950x (1665+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790	1950x (1665+1665+1665+1665) x790
Cabinet Color			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)
	High/Low Pressure Gas Line	mm(in.)	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)
Heat Pump Operation System	Gas Line	mm(in.)	Φ50.8(2)	Φ50.8(2)	Φ50.8(2)
	Liquid Line	mm(in.)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64
	Total Capacity	–	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)
		m(below)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165
Operation Range	Cooling	DB	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	WB	-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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
*1*2: For detailed information, please contact with Hisense technical engineers.

Switch Box

Introduction

It's used for heat recovery systems to achieve simultaneous cooling and heating in one system, and very important to realize installation flexibility and reduce costs.

Advantage

- Compact body and convenient installation.
- 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.

Model			Single Branch		Multiple Branch			
			HCHS-N06XC	HCHS-N10XC	HCHM-N04XC	HCHM-N08XC	HCHM-N12XC	HCHM-N16XC
Appearance								
Electrical	Power Supply	—	AC 1Φ, 220-240V/50Hz; AC 1Φ, 208-230V/60Hz					
	Power Input	W	5.8	5.8	15.1	29.8	45.0	60.0
Maximum Total Capacity of All Connected Indoor Units		kW	16.0	28.0	44.8	85.0	85.0	85.0
Maximum Total Capacity of Connected Indoor Units Per Port		kW	16.0	28.0	16.0	16.0	16.0	16.0
Number of Ports (for Indoor Unit)		pcs	1	1	4	8	12	16
Maximum Number of Connected Indoor Units Per Port		pcs	8	8	8	8	6	6
Outer Dimensions(H x W x D)		mm	191x300x214	191x300x214	260x303x352	260x543x352	260x783x352	260x1023x352
Net Weight		kg	6.3	6.4	14.1	25.2	35.5	46.7
Noise Level	Operation Noise	dB(A)	33	33	31	31	34	34
	Max Noise	dB(A)	46	46	43	46	48	49
Refrigerant			R410A					
Refrigerant Piping (Outdoor Unit Side)	Gas Line (High/Low Pressure)	mm	15.88	15.88	22.2	22.2	25.4	28.6
	Gas Line (Low Pressure)	mm	19.05	19.05	25.4	28.6	28.6	31.75
	Liquid Line	mm	—	—	12.7	12.7	15.88	19.05
Refrigerant Piping (Indoor Unit Side)	Gas Line	mm	15.88	19.05	15.88	15.88	15.88	15.88
	Liquid Line	mm	—	—	9.52	9.52	9.52	9.52

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
		L/s	0.38	0.76
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**

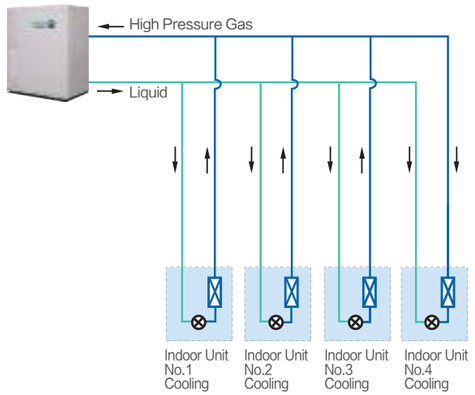
Hydro Box Heating (DHW)

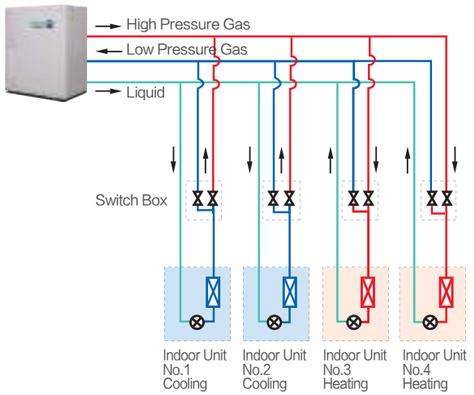
	Maximum	Minimum
Inlet Water	54℃	10℃
Outdoor	43℃ WB	-25℃ WB**

DB: Dry Bulb
WB: Wet Bulb

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

Available for two-pipe Systems and three-pipe Systems

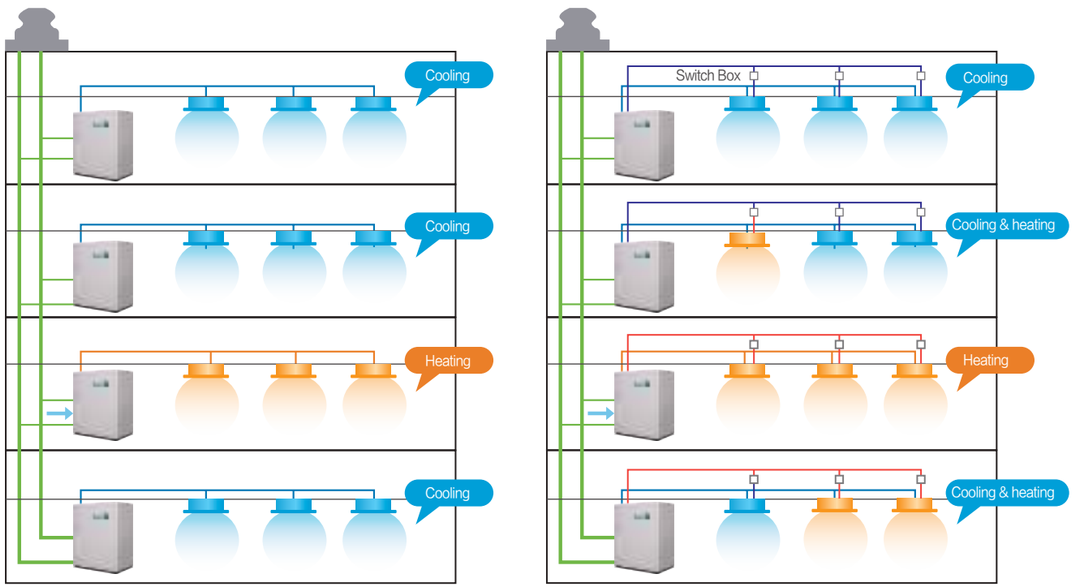




2-stage Heat Recovery

1-stage Heat Recovery

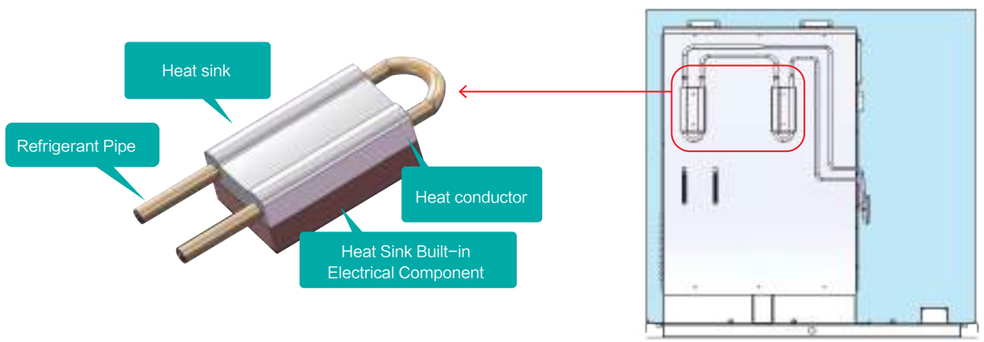
2-stage Heat Recovery



Patented 360° Fitted Refrigerant Cooling Technology

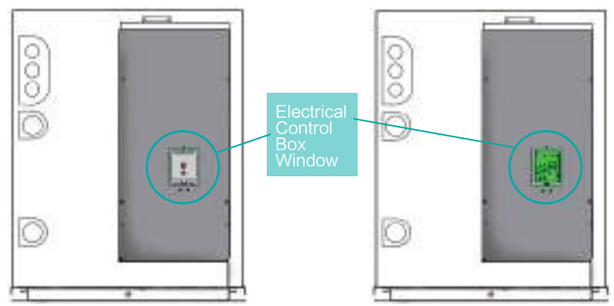
Patented 360 °refrigerant cooling technology can help to remove the heat from the main PCB, inverter module and electrical box efficiently, which will greatly improve the reliability of the machine, especially in the high temperature ambient.

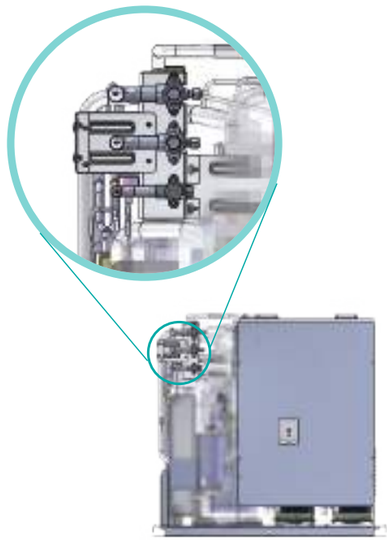
- A tin heat conductor is adopted between the refrigerant pipe and the heat sink to increase the heat transfer efficiency.
- The heat sink, made of aluminum alloy with high thermal conductivity, and the refrigerant tube are tightly combined through tube expander to improve heat exchange efficiency.



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.

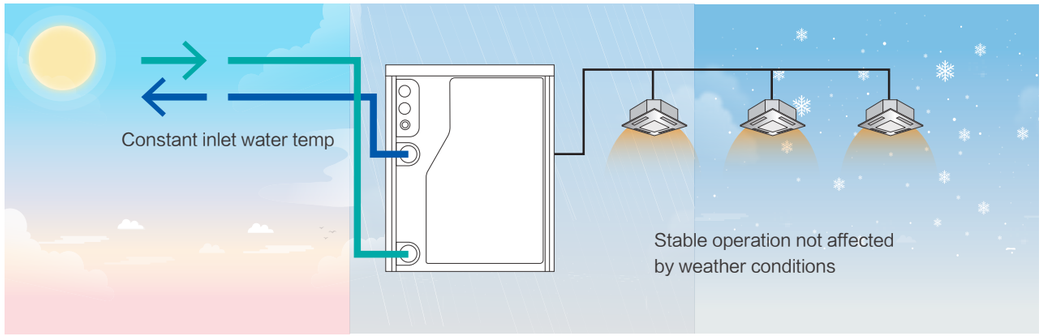




It is very convenient to install and save installation space because of the front outlet pipes.

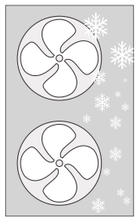
Indoor Installation, not Affected by Weather Conditions

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.

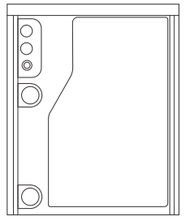


Air Cooled

Heating | Defrosting

Intermittent operation of heating and defrosting

Water Cooled

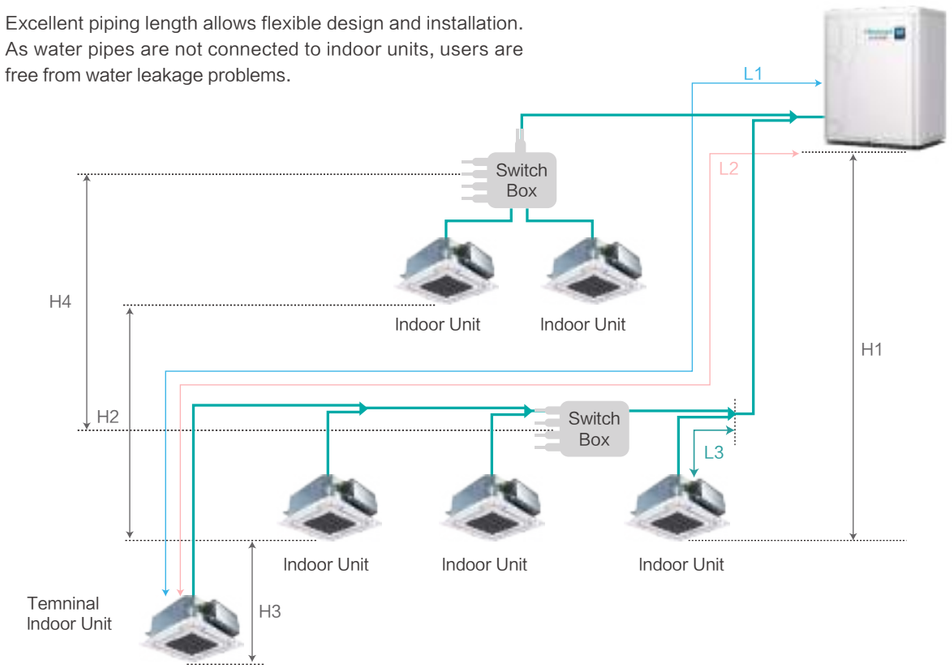


Heating

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

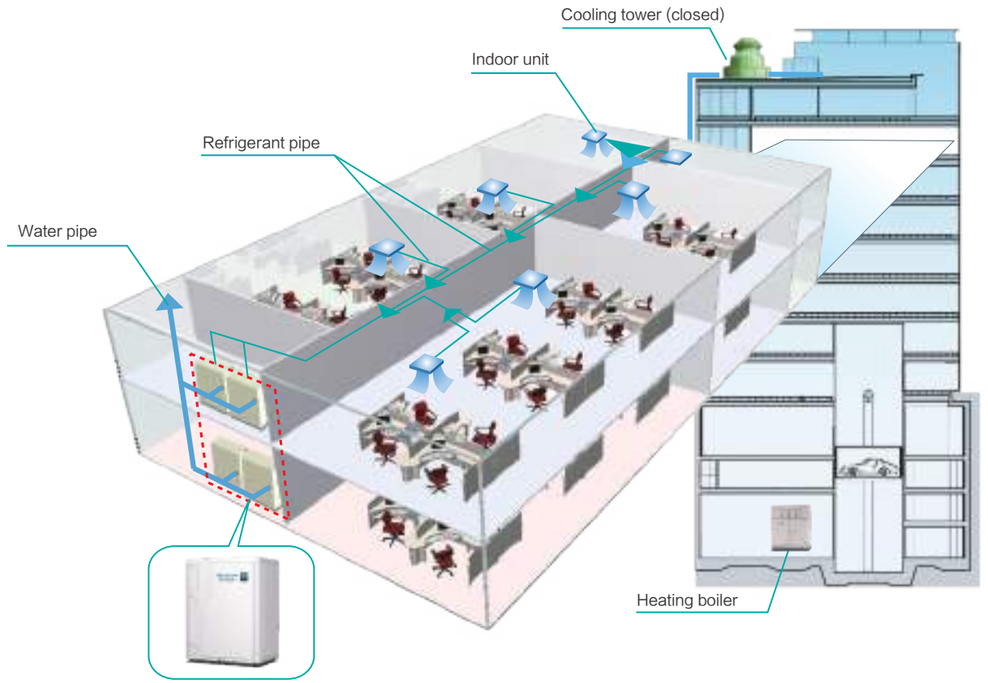
Height difference between indoor units using the same SW box H3: 4m

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

	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/s	1.3	1.6	1.9	2.3
	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

	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/s	2.6	2.8	3.2
	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

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/s	3.5	3.8	4.2	4.5	4.8
	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

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/s	5.1	5.5	5.8	6.0	6.4
	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

	Model		AVWW-400FKFW	AVWW-418FKFW	AVWW-440FKFW	AVWW-456FKFW	AVWW-476FKFW
Model	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/s	6.7	7.1	7.4	7.6	8.0
	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

	Model		AVWW-494FKFW	AVWW-516FKFW	AVWW-534FKFW	AVWW-550FKFW	AVWW-570FKFW
Model	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/s	8.4	8.8	9.0	9.2	9.7
	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 A Series

Dust-cleaning Technology

Keep your air conditioner performing at its best with Hi-Smart A's innovative dust-cleaning technology. Our outdoor fan reverses direction to efficiently remove accumulated dust, reducing air resistance and maintaining optimal heat exchange. Experience uninterrupted comfort for the long run with Hi-Smart A.

1W Standby Power Consumption

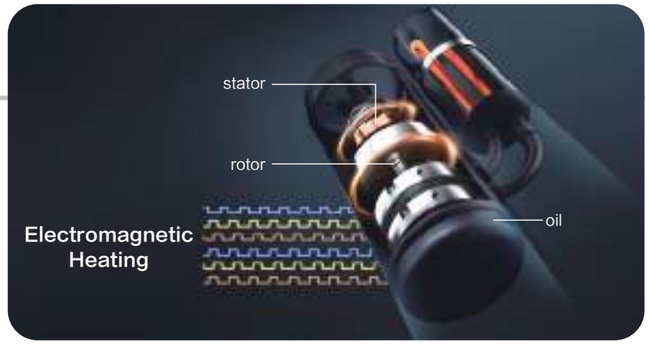
Hi-Smart A series uses optimized control scheme to further reduce standby power consumption to as low as 1W. The system intelligently enters 1W standby mode when the air conditioner is not in frequent use to avoid unnecessary waste.

Transition season

Leave home for a short time

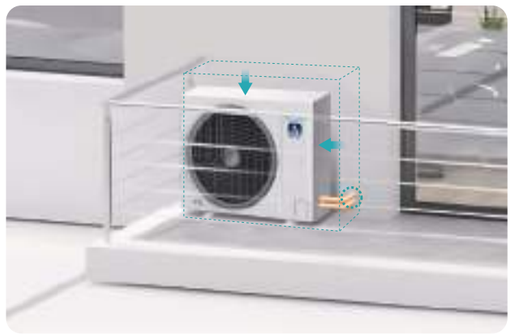
Electromagnetic Heating Technology

Hisense's original internal electromagnetic heating technology is used without external heating tape. The lubricating oil is heated by the compressor's fixed rotor for higher heating efficiency, significantly reducing the low-temperature preheating time and power consumption.

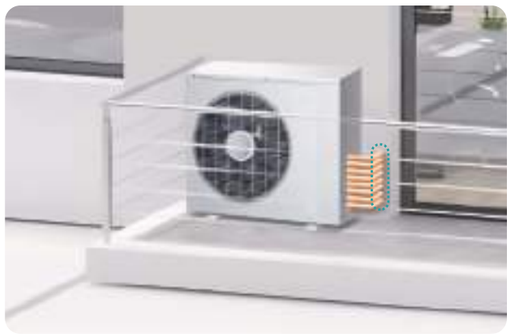


Compact Size for Space-saving

With its compact size, the Hi-Smart A system outdoor unit take up less space to make your balcony or backyard for other essentials.
In addition, the mini VRF A-Series outdoor units require only a pair of pipes to connect to multiple indoor units , which reduces damage to walls and makes buildings more aesthetically pleasing.



Mini VRF



Multi split

Four-way Piping Connection

Installation restrictions on site do not stop Hi-Smart A mini VRF with flexible piping directions.including front, bottom, right, and rearconnections.

Flexible Air Discharge Directions

When the ODU is installed in narrow spaces where some obstacle blocks discharged air, the well-designed air outlet guide can divert the airflow to up, down, left, or right directions to enhance the heat dissipation efficiency.

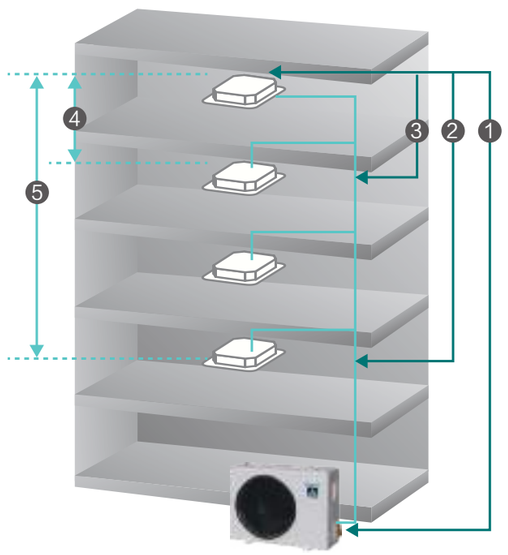
Note: Air outlet guide module SH-76CD/SH-34CD

Long Piping for Design Flexibility

The Hi-Smart A provides long piping length possibility of 75m, with a total piping length of 120m. The height difference between IDU and ODU can be up to a maximum of 30m. These generous allowances facilitate system designs compared to the Multi-split system.

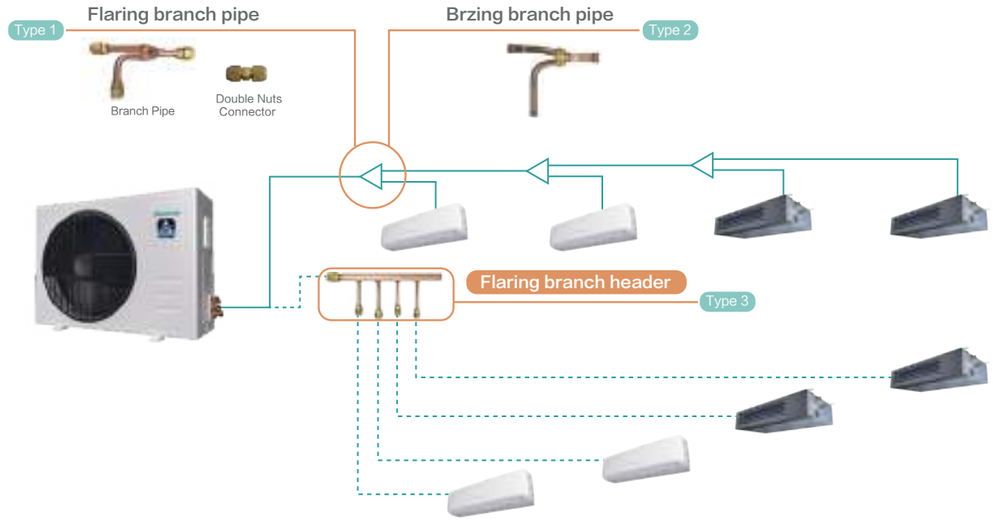
❶ Max.piping length：**75m**
❷ Length between the first Branch Pipe and the farthest IDU：**30m**
❸ Length between IDU and the nearest branch pipe：**15m**
❹ Height difference between IDUs：**15m**
❺ Height difference between ODU and IDU：**30m**

Note: The above data is based on AVW-76HJFAH1 model.



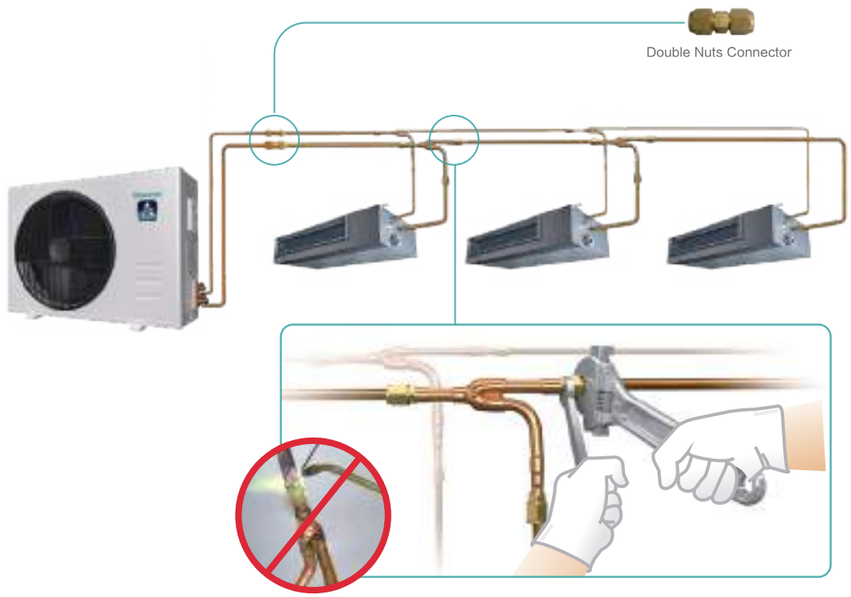
Multiple Piping Connection Types

Hi-Smart A series offers three piping connection options:
flaring branch pipe, brazing branch pipe, and flaring branche headers, providing installers with multiple choices.
The universal use of the head branches facilitates quick and convenient connection to pre-buried refrigerant pipelines, making it an excellent fit for real estate projects.



Brazing Free for Easier Installation

All flare connection based branch headers eliminate the need for on-site brazing, resulting in swift, safe, and quality installation.



Hi-Smart A Series

Model			AVW-27HJFAH1	AVW-34HJFAH1	AVW-42HJFAH1	AVW-48HJFAH1	AVW-54HJFAH1
Power Supply			1PH 220~240V 50Hz/60Hz				
Cooling	Capacity	kW	8.0	10.0	12.1	14.0	15.5
		kBtu/h	27.3	34.1	41.3	47.8	52.9
	Power Input	kW	2.22	2.96	3.32	4.24	4.84
	EER	kW/kW	3.60	3.38	3.65	3.30	3.20
	SEER		6.41	6.91	8.11	7.91	7.80
Heating	Capacity(Max./Nom.)	kW	9.5/8.0	11.2/10.0	14.0/12.1	16.0/14.0	17.0/15.5
		kBtu/h	32.4/27.3	38.2/34.1	47.8/41.3	54.6/47.8	58.0/52.9
	Power Input(Max./Nom.)	kW	2.30/1.70	2.99/2.35	3.74/2.85	4.23/3.26	4.60/3.69
	COP(Max./Nom.)	kW/kW	4.14/4.70	3.74/4.25	3.74/4.25	3.78/4.30	3.70/4.20
	SCOP		4.40	4.30	4.70	4.70	4.65
Air Flow Rate		m^3/min	45	45	75	75	75
		L/s	750	750	1250	1250	1250
Sound Pressure Level (Cooling/Heating)		dB(A)	52/54	53/55	54/55	54/55	54/56
Refrigerant	Type	–	R410A				
	Pre-charged Quantity	kg	1.8	1.8	2.0	3.0	3.0
Weight	Net Weight	kg	50	52	64	71	71
	Gross Weight	kg	54	55	77	83	83
Dimensions	External (H×W×D)	mm	670×900×320		770×980×360		
	Packing (H×W×D)	mm	717×1056×427		920×1100×505		
Ref. Piping	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
		inch	5/8	5/8	5/8	5/8	5/8
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	3/8	3/8	3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs	1~5	1~6	1~7	1~9	1~10
	Connection Ratio	–	50%~150%				
Piping Design	Max. total piping Length	m	40	40	60	70	70
	Max. piping Length	m	25	25	50	60	60
	Height Difference Between ODU and IDU	m	20	20	30	30	30
	Height Difference Between IDUs	m	10	10	15	15	15
Operation Range	Cooling	DB	-5~59 ℃*				
	Heating	WB/DB	-21~17℃/-20~23℃				

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.※When outdoor ambient temperature is 55~59℃,Cooling operates intermittently.

Hi-Smart A Series

Model			AVW-63HJFAH1	AVW-68HJFAH1	AVW-76HJFAH1
Power Supply			1PH 220~240V 50Hz/60Hz		
Cooling	Capacity	kW	18.1	20.0	22.4
		kBtu/h	61.8	68.2	76.4
	Power Input	kW	5.76	6.67	8.00
	EER	kW/kW	3.14	3.00	2.80
	SEER		8.01	7.62	7.20
Heating	Capacity(Max./Nom.)	kW	20.0/18.1	22.4/20.0	25/22.4
		kBtu/h	68.2/61.8	74.6/68.2	85.3/76.4
	Power Input(Max./Nom.)	kW	5.29/4.21	6.21/4.88	7.28/5.74
	COP(Max./Nom.)	kW/kW	3.78/4.30	3.61/4.10	3.43/3.90
	SCOP		4.90	4.70	4.50
Air Flow Rate		m^3/min	93	93	93
		L/s	1550	1550	1550
Sound Pressure Level (Cooling/Heating)		dB(A)	56/58	57/60	57/60
Refrigerant	Type	–	R410A		
	Pre-charged Quantity	kg	3.8	3.8	3.8
Weight	Net Weight	kg	97	97	97
	Gross Weight	kg	110	110	110
Dimensions	External (H×W×D)	mm	1080×980×360		
	Packing (H×W×D)	mm	1230×1100×505		
Ref. Piping	Gas	mm	Φ19.05	Φ19.05	Φ19.05
		inch	3/4	3/4	3/4
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53
		inch	3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs	1~11	1~12	1~13
	Connection Ratio	–	50%~150%		
Piping Design	Max. total piping Length	m	120	120	120
	Max. piping Length	m	75	75	75
	Height Difference Between ODU and IDU	m	30	30	30
	Height Difference Between IDUs	m	15	15	15
Operation Range	Cooling	DB	-5~59 ℃*		
	Heating	WB/DB	-21~17℃/-20~23℃		

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.※When outdoor ambient temperature is 55~59℃,Cooling operates intermittently.

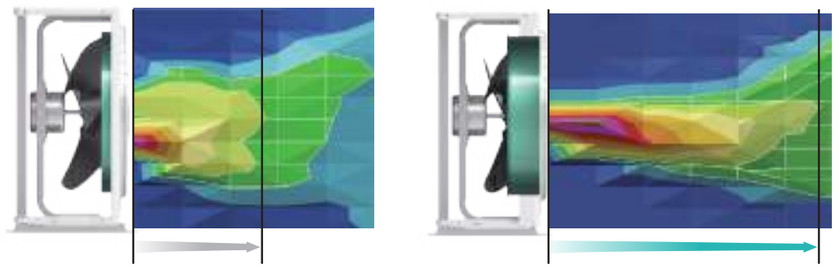
Hi-Smart L+ C+ Series

- DC inverter-driven compressor
- Low noise technologies
- Compact and lightweight design

Efficient Air Channel

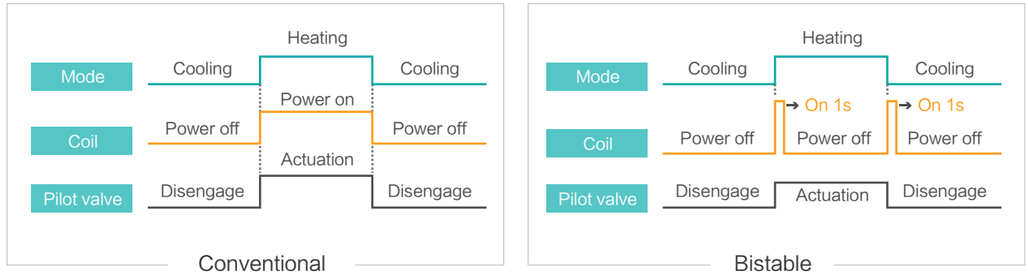
By extending the air duct near the fan, as shown in the figure below, the exhaust efficiency can be greatly improved. For the design of conventional air duct, the exhaust air will quickly mix with the surrounding air, resulting in increased resistance and reducing exhaust efficiency. Compared with the conventional design, the exhaust efficiency can be increased by 24% with extended air duct, thereby ensuring the smooth exhaust and stable operation of the machine.

30Pa ESP



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.

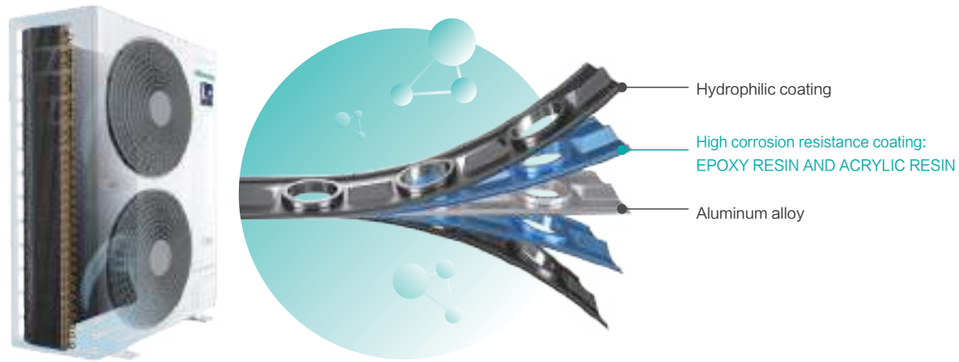


No Preheating Required Under Low Temperature Conditions

When the ambient temperature is above −10℃, the system can start without preheating, achieving quick cool and heat.

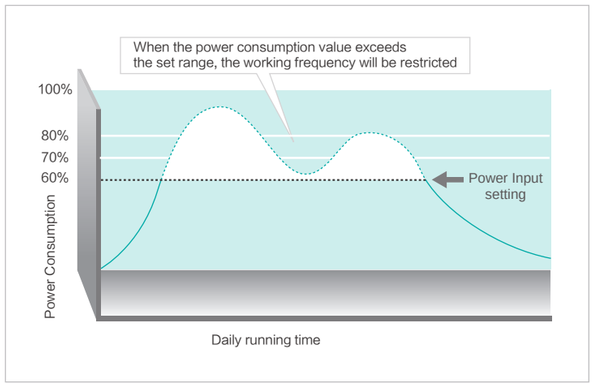
Anti-corrosion Fin (Standard)

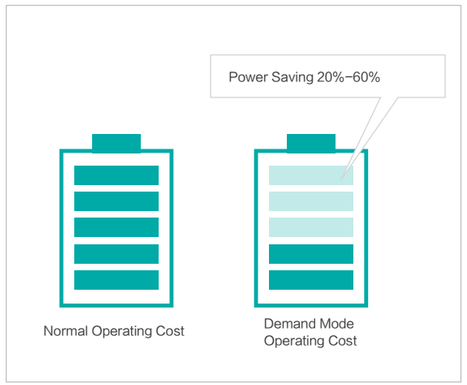
All the heat exchangers adopt anti-corrosion fin, which has excellent anti-corrosive performance. Anti-corrosion fins are coated with epoxy resin and acrylic resin using film-forming techniques while the traditional resins are acrylic resins. The epoxy resin is 1.5 times thicker than acrylic resin, and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



Demand Mode

The intelligent demand mode can adjust the air conditioning system capacity output automatically according to peak-valley requirements of electricity. There are three levels setting, 80%, 70% and 60%. It achieves balance between comfort and energy-saving while meeting the power demand for daily work.

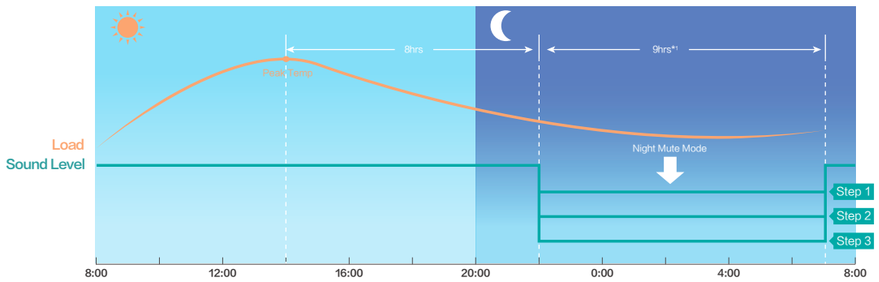




Outdoor Unit Noise Control

Night Mode

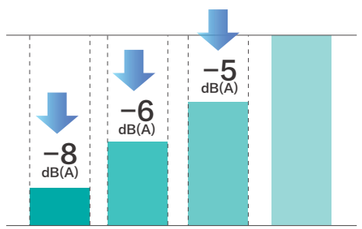
In gerneal, people are more sensitive to noise at night. Night quiet mode can be activated when necessary, and the noise can be reduced by up to 8dB(A).



Step 1: 5dB(A) decreased; Step 2: 6dB(A) decreased; Step 3: 8dB(A) decreased.

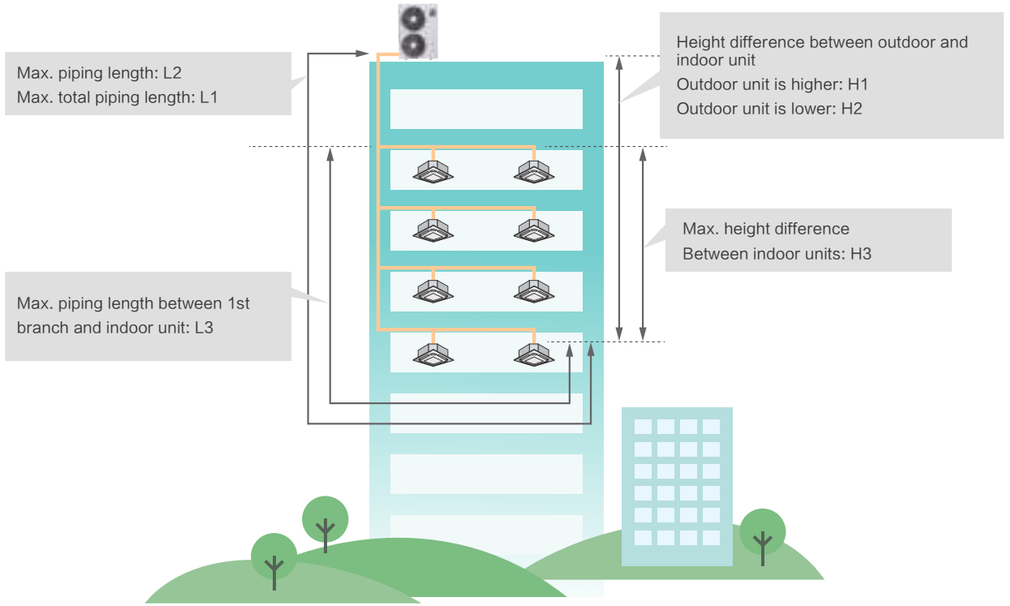
Low Noise Mode

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.



Excellent Piping Length

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



Series		Hi-Smart L+	Hi-Smart C+
Picture			
Total piping length L1		150m	300m
Max. piping length L2		100m	150m
Max.length between the first branch pipe to the farthest indoor unit L3		40m	40m
Height difference between ODU and IDU	ODU is higher H1	50m	50m
	IDU is higher H2	40m	40m
Height difference between IDUs H3		15m	15m

Hi-Smart L+ Series

	Model		AVW-41HJFHH2	AVW-48HJFHH2	AVW-54HJFHH2
	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	2.79	3.43	4.18
	EER	W/W	4.33	4.08	3.71
	SEER	—	8.20	8.10	8.00
Heating	Capacity	kW	14.0	16.0	18.0
		Btu/h	48000	54500	61500
	Power Input	kW	3.08	3.71	4.47
	COP	W/W	4.55	4.31	4.03
	SCOP	—	4.85	4.70	4.55
Ventilation	Air Flow Rate	m³/min	90	90	100
		L/s	1333	1333	1500
Sound Pressure Level	Cooling/Heating	dB(A)	52/55	52/55	53/56
Weight	Net	kg	106	107	108
	Gross	kg	118	119	120
Outer Dimensions	Height	mm	1380	1380	1380
	Width	mm	950	950	950
	Depth	mm	370	370	370
Packing Dimensions	Height	mm	1531	1531	1531
	Width	mm	1070	1070	1070
	Depth	mm	515	515	515
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	3.8	3.8	4.1
Connectable Indoor Units	Max. Qty.	pc	9	11	12
	Connection Ratio	%	50-150	50-150	50-150
Piping Design	Max. Piping Length	m	100	100	100
	Total Piping Length	m	150	150	150
	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.
4. The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

Hi-Smart C+ Series

	Model		AVW-76HKFHH2	AVW-96HKFHH2
	Power Supply		AC 3Φ, 380-415V/50/60Hz	
Cooling	Capacity	kW	22.4	28.0
		Btu/h	76400	95500
	Power Input	kW	6.22	8.12
	EER	W/W	3.60	3.45
	SEER	—	7.00	7.80
Heating	Capacity	kW	25.0	31.5
		Btu/h	85300	107500
	Power Input	kW	5.81	7.59
	COP	W/W	4.30	4.15
	SCOP	—	4.50	4.50
Ventilation	Air Flow Rate	m³/min	150	163
		L/s	2500	2717
Sound Pressure Level	Cooling/Heating	dB(A)	55/58	56/59
Weight	Net	kg	145	157
	Gross	kg	161	174
Outer Dimensions	Height	mm	1650	1650
	Width	mm	1100	1100
	Depth	mm	390	390
Packing Dimensions	Height	mm	1806	1806
	Width	mm	1185	1185
	Depth	mm	530	530
Cabinet Color		—	Grayish White	
Ref. Piping	Gas	mm	Φ22.2	Φ25.4
		in.	7/8	1/1
	Liquid	mm	Φ12.7	Φ12.7
		in.	1/2	1/2
Refrigerant	Type	—	R410A	
	Before Shipment	kg	5.5	6.5
Connectable Indoor Units	Max. Qty.	pc	15	18
	Connection Ratio	%	50-150	50-150
Piping Design	Max. Piping Length	m	150	150
	Total Piping Length	m	300	300
	Height Difference Between ODU and IDU	m	50	50
		m	40	40
	Height Difference Between IDUs	m	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.
4. The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

Hisense VRF

INDOOR UNITS

4-Way Cassette / Mini 4-Way Cassette

1-Way Cassette

2-Way Cassette

Console

Ceiling Ducted (DC Low-height)

Ceiling Ducted (DC Dynamic Static Pressure)

Wall Mounted

Ceiling & Floor

Floor Concealed

All Fresh Air Indoor Unit

Heat Recovery Ventilator

AHU Connection KIT

AIR CONDITIONING SOLUTION

Indoor Units Line-up

kW		1.5	2.2	2.8	3.6	4.5	4.5	5.0	5.6	5.6	6.3	7.1	8.0	9.0	11.2	12.5	14.0	16.0	22.4	28.0
kBtu/h		5	7	9	12	14	15	17	18	19	22	24	27	30	38	42	48	54	76	96
4-Way Cassette*				●	●		●			●	●	●	●	●	●		●	●		
Mini 4-Way Cassette*		●	●	●	●		●	●		●										
1-Way Cassette			●	●	●	●			●			●								
2-Way Cassette			●	●	●	●			●			●	●	●	●		●	●		
Console		●	●	●	●		●	●												
Ceiling Ducted* (DC Low-height)		●	●	●	●		●			●		●								
Ceiling Ducted* (DC Dynamic Static Pressure)			●	●	●		●			●		●		●	●	●	●	●	●	●
Wall Mounted*		●	●	●	●		●			●		●	●							
Ceiling & Floor								●		●	●	●	●	●	●		●			
Floor Concealed				●		●			●			●								

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

Indoor Units Feature Overview

Unit	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	●	○	×	●	○	○	○	○	●	●
Mini 4-Way Cassette	●	○	×	●	○	○	○	○	●	●
1-Way Cassette	●	○	×	●	×	×	×	○	●	●
2-Way Cassette	●	○	×	●	×	×	×	○	●	●
Console	×	○	×	●	○	×	×	○	×	×
Ceiling Ducted (DC Low-height)	●	○	○	●	○	○	×	○	●	●
Ceiling Ducted (DC Dynamic Static Pressure) AVD-07~AVD-54	○	○	×	●	○	○	×	○	●	●
Ceiling Ducted (DC Dynamic Static Pressure) AVD-76 & AVD-96	○	○	×	○	○	○	×	○	●	●
Wall Mounted	×	×	×	●	○	●	×	○	●	×
Ceiling & Floor	×	○	×	●	×	×	×	○	●	×
Floor Concealed	×	○	×	×	×	×	×	○	●	×

Remarks: Standard: ● Optional: ○ Incompatible: ×

Unit	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	Dynamic ESP
4-Way Cassette	●	●	●	●	●	●	●	●	●	●	●	×
Mini 4-Way Cassette	●	●	●	●	●	●	●	●	●	●	●	×
1-Way Cassette	●	×	●	●	●	●	●	×	×	●	●	×
2-Way Cassette	●	×	●	●	×	×	×	●	×	×	●	×
Console	●	×	●	●	●	●	●	×	×	×	×	×
Ceiling Ducted (DC Low-height)	●	●	●	●	●	●	●	×	×	●	●	×
Ceiling Ducted (DC Dynamic Static Pressure) AVD-07~AVD-54	●	●	●	●	●	●	●	×	×	●	●	●
Ceiling Ducted (DC Dynamic Static Pressure) AVD-76 & AVD-96	●	●	●	×	●	●	●	×	×	●	●	●
Wall Mounted	●	●	●	×	●	●	●	×	×	●	●	×
Ceiling & Floor	●	×	●	×	×	×	×	×	×	×	×	×
Floor Concealed	●	×	●	×	●	●	●	×	×	×	●	×

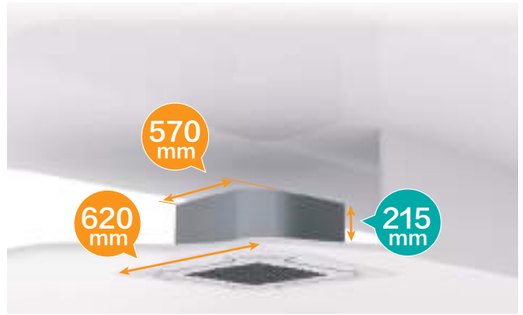
Remarks: Standard: ● Optional: ○ Incompatible: ×

4-Way Cassette
Mini 4-Way Cassette

Compact and Classy Design

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

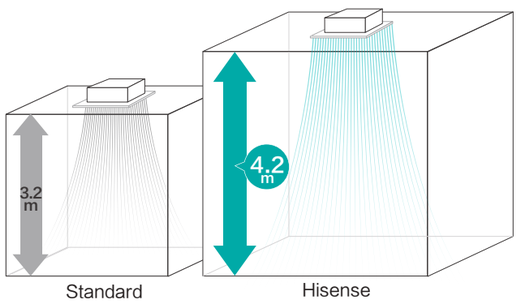
4-way Cassette



Mini 4-way Cassette

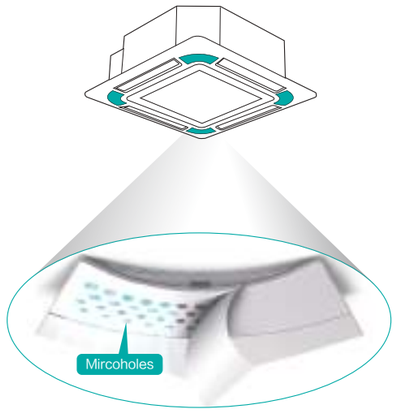
Higher Installation

The cassette unit is capable of blowing air from ceiling heights of up to 4.2m, ensuring effective air distribution even in rooms with high ceilings.



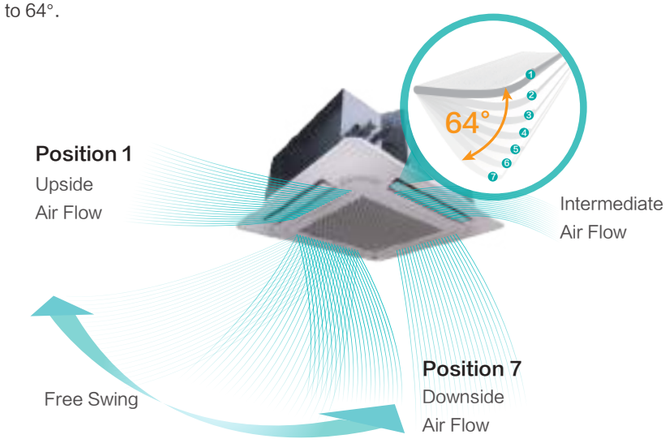
Breeze Mode

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 cassette 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 layouts. Each louver has 7 adjustable angle settings with a maximum angle of up to 64°.

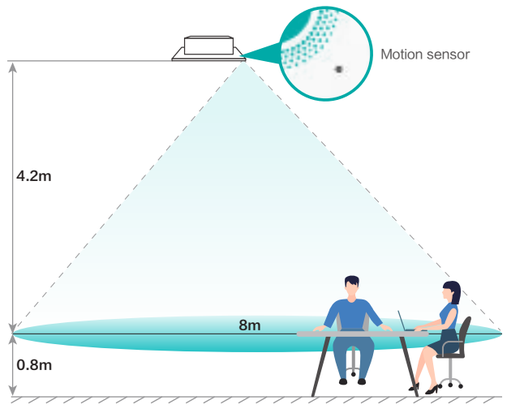


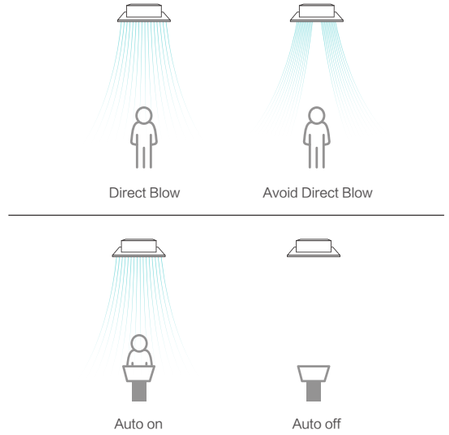
Self-cleaning Function

The cassette unit is featured with self-cleaning function. With just a press on the controller, the unit cleans itself automatically without manual intervention. It not only ensures clean and healthy air supply but also saves your valuable time and cost.

Motion Sensor

The sensor detects human presence to automatically switch the cassette unit on or off and adjust the airflow direction towards people or away from them. When the area becomes crowded, the system automatically lowers the set temperature to maintain comfort, and vise versa.





4-Way Cassette

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/	17.0/14.0/ 12.8/11.8/	19.0/15.0/ 13.9/12.6/	19.0/15.0/ 13.9/12.6/	26.0/20.0/ 18.3/17.0/	27.0/21.1/ 19.1/18.0/	25.0/21.1/ 19.6/17.9/	25.0/22.3/ 20.3/18.3/	31.0/29.5/ 28.7/26.0/	37.0/33.5/ 29.6/27.2/	37.0/34.0/ 30.7/28.9/
		L/s	250/213/200/ 180/167/147	283/233/213/ 197/180/152	317/250/232/ 210/190/175	317/250/232/ 210/197/175	433/333/305/ 283/252/217	450/352/318/ 300/263/245	417/352/327/ 298/268/245	417/372/338/ 305/282/255	517/492/478/ 433/392/342	617/558/493/ 453/403/373	617/567/512/ 482/427/397
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°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.

Mini 4-Way Cassette

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
		L/s	120/108/103/93	120/108/103/93	130/120/108/97	130/120/108/97	155/145/118/112	183/158/145/118	208/180/155/133
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.

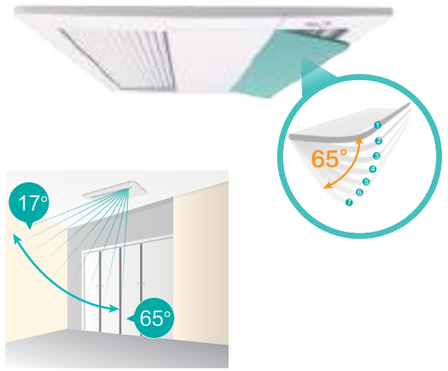
1–Way Cassette

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
		L/s	103/98/93/ 85/80/77	110/103/93/ 85/80/77	138/122/113/ 103/93/85	138/122/113/ 103/93/85	202/165/147/ 137/130/110	260/210/187/ 165/140/118
	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	Φ15.88	Φ15.88
		inch	1/2	1/2	1/2	1/2	5/8	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

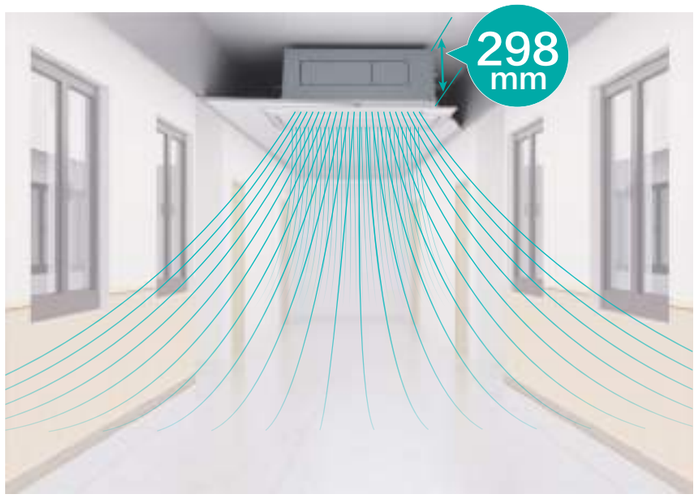
Notes:

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

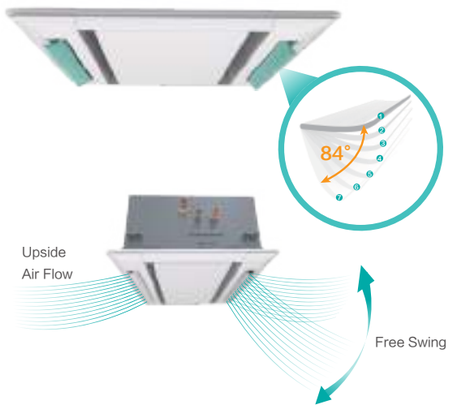
Compact and Classy Design

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.



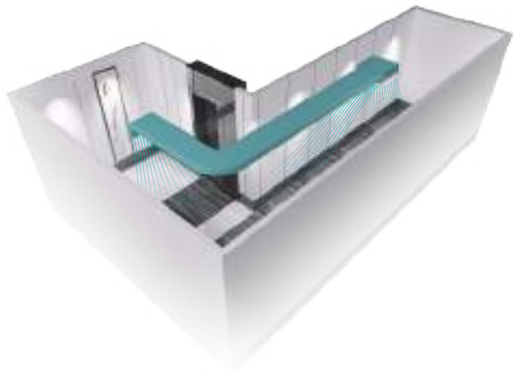
Independent Louvers Control

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
			L/s	167/142/ 120/100	183/157/ 137/110	200/175/ 148/125	250/220/ 192/165	283/248/ 217/187	317/273/ 238/205	350/307/ 260/210	367/322/ 272/218	500/440/ 385/330	583/513/ 448/352	617/542/ 473/402
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

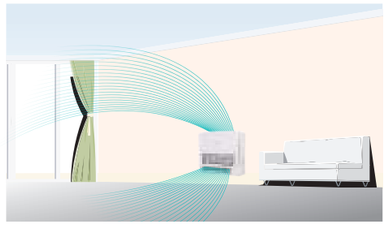
Stylish Design

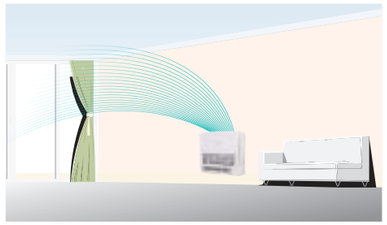
With smooth white cover, LED shown and temperature display, the console unit is an super stylish air-conditioning, which is suitable for the residential or commercial applications which need an unit installed on or close to the floor.

Multiple Blowing Types

Cooling Mode

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

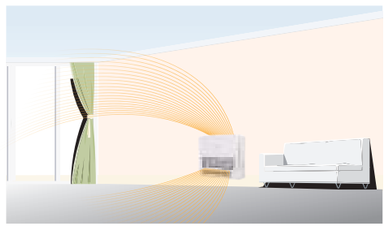




*Note: During cooling mode, the lower air louver will close automatically after the indoor unit operates in low fan speed mode for an hour. Otherwise it will keep open.

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.

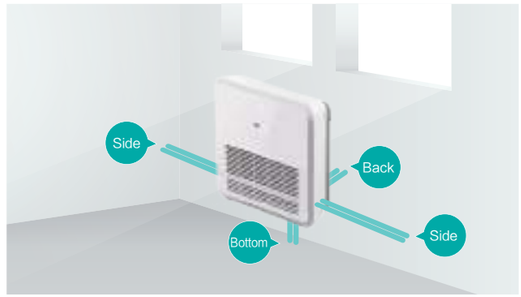
Standing on the floor

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.



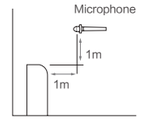
Console

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
			L/s	100/95/88/ 85/78/75	123/117/107/ 100/93/88	133/123/117/ 107/100/93	137/127/113/ 103/95/88	150/142/130/ 120/110/107	168/162/150/ 142/132/122
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)

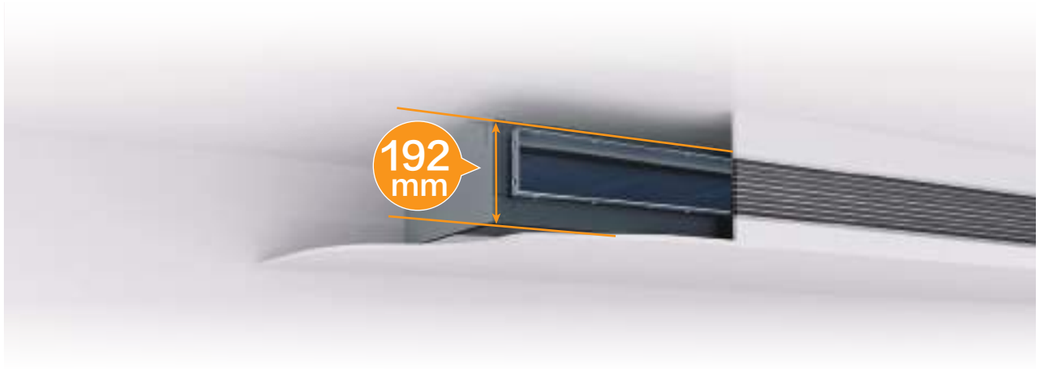
2. The sound pressure level is based on following conditions:
   It is measured in anechoic room. Operation noise differs with operation and ambient conditions.
   Location of Microphone:



Ceiling Ducted (DC Low Height)

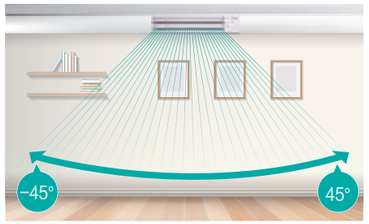
Space Saving

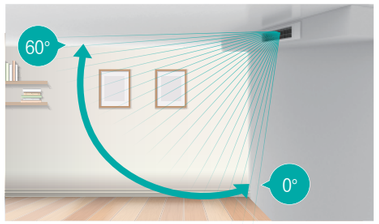
Concealed DC Low Height Ducted unit is as slim as 192mm, fitting into the narrowest ceiling spaces. Save ceiling spaces for higher room height without compromising user's comfort and satisfaction.

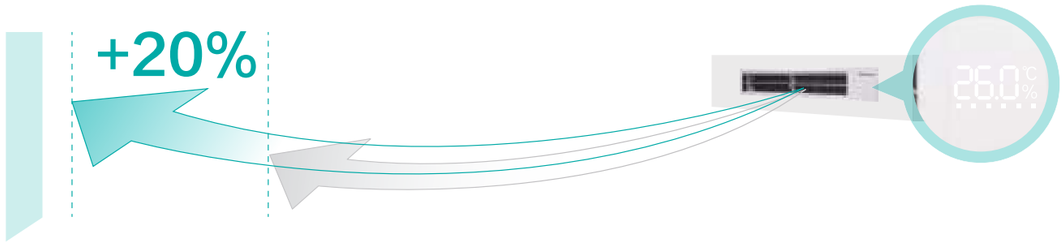


3D Air Flow

Classy air discharge louver panel with LED temperature and humidity display is available as an optional accessory for the R410A DC Low Height 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.







Smart & Precise Temperature Control

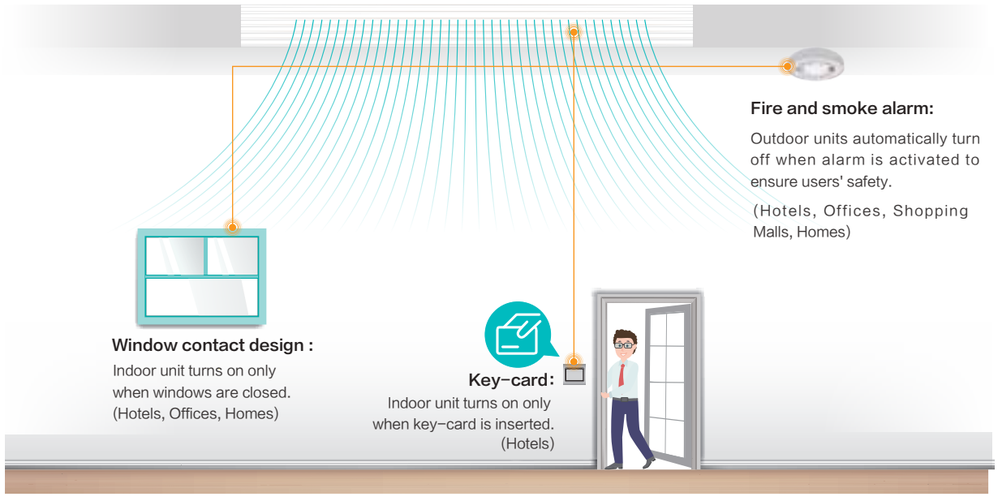
To prevent the human height area of the room cools or warms to user's ideal temperature setting. Two Temperature Sensor Control Technology is integrated into the unit whereby the controller, and return section consist of built in temperature sensors to send real-time signals to the unit for a more precise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

Hisense VRF

Conventional

Various Device Connection Options

Third party devices and sensors to control the power supply are possible with dry contact connections to the indoor unit. Devices like hotel room key card, window contact and fire alarms can be connected simultaneously.



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		m³/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
		L/s	117/108/102/ 95/88/80	117/108/102/ 95/88/80	150/135/122/ 112/98/87	150/135/122/ 112/98/87	200/180/157/ 135/113/92	225/208/187 167/147/128	300/268/238/ 205/175/145
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

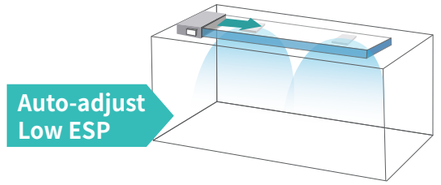
Notes:

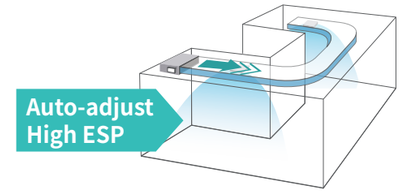
1. The nominal cooling capacity and heating capacity are based on the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
   Heating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

Flexible Air Duct Layout

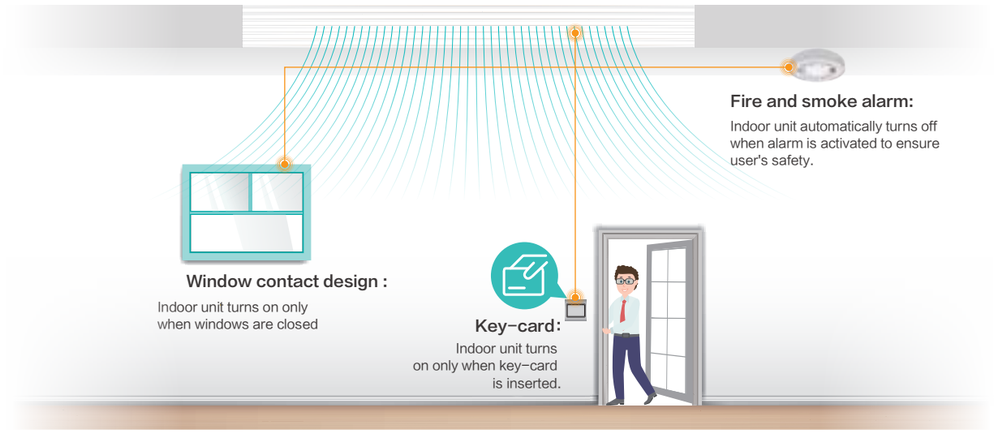
High static pressure facilitates extensive ducts and air outlets network, effectively sends air-conditioned air to every corner of the room.

New Improved Bendable Filters

Standard filters that comes with the units(except for the AVD-76UX6SEL&AVD-96UX6SFL) are now improved to be bendable by improving the materials malleability to improve installation flexibility in narrow ceiling height and restricted spaces.

Various Device Connection Options

Third party devices and sensors to control the power supply is possible with dry contact connections to the indoor unit. Devices like Hotel room key card, window contact and fire alarms can be connected simultaneously.



Self-cleaning Function

The cassette unit is featured with self-cleaning function. With just a press on the controller, the unit cleans itself automatically without manual intervention. It not only ensures clean and healthy air supply but also saves your valuable time and cost.

Ceiling Ducted
(DC Dynamic Static Pressure)

Model			AVD-07 HJDH	AVD-09 HJDH	AVD-12 HJDH	AVD-15 HJDH	AVD-19 HJDH	AVD-24 HJDH	AVD-24 HJDH1	AVD-30 HJDH	AVD-38 HJDH	AVD-42 HJDH	AVD-48 HJDH	AVD-54 HJDH	AVD-76 HJDH	AVD-96 HJDH
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	12.5	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	42,000	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	14	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	48,000	54,500	61,500	85,300	107,500
Power Input	Cooling	W	40	40	55	55	55	82	74	100	132	180	180	223	610	830
	Heating	W	40	40	55	55	55	82	74	100	132	180	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	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		m³/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	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
		L/s	150/133/113/ 105/97/88	150/133/113/ 105/97/88	200/183/167/ 150/133/120	200/183/167/ 150/133/120	242/217/192/ 175/158/145	317/283/250/ 217/183/158	343/317/283/ 250/230/208	417/383/350/ 317/283/250	467/417/383/ 350/317/283	592/542/492/ 442/392/342	592/542/492/ 442/392/342	650/592/517/ 442/392/363	950/900/867/ 850/817/800	1200/1133/1083/ 1017/967/833
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	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	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	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	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	49	104	104
	Gross Weight	kg	29	29	29	29	37	37	48	48	48	57	57	57	125	125
Dimensions	External	H mm	270	270	270	270	270	270	300	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	1400+75	1250	1250
		D mm	720	720	720	720	720	720	800	800	800	800	800	800	1120	1120
	Packing	H mm	385	385	385	385	385	385	415	415	415	415	415	415	546	546
		W mm	895	895	895	895	1140	1140	1345	1345	1345	1640	1640	1640	1466	1466
		D mm	870	870	870	870	870	870	950	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.

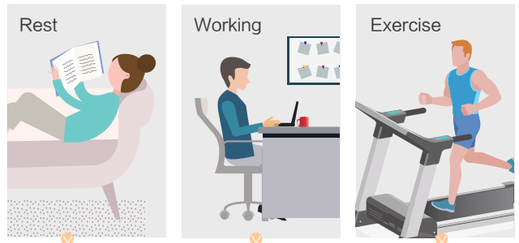
Wall Mounted

High-efficiency DC Motor

The power consumption of the unit with DC fan motor can be reduced greatly in comparison to the old AC product. The min-imum power consumption is only 20W, which is reduced by 60%. It can achieve low-cost operation.

6 Fan Speed

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



AirPure Embedded

AirPure kit is embedded in the unit, which can purify the indoor air, including anti-bacteria and anti-virus,formalde-hyde removal, anti-mold, odor removal,PM2.5 purification and anti-allergen. When activate the “Health" icon in the controller, the AirPure will start to work, supplying us clean and health indoor environment.

Automatic Mode Changeover

Auto changeover enables the indoor unit to seamlessly switch from cooling to heating mode by adjusting the set temperature within a certain range, considering factors like ambient temperature, humidity levels, and human activity. No need for manual adjustments, our unit does it all for you to ensure optimal indoor comfort at all times.

Note: Available for the new R32 and R410A indoor units, and can only be achieved when connected to the VG01 controller and switch box.

Easy Installation

Gas and Liquid pipes can be connected when the air conditioner is hung on the wall with unique easy installation structure, which is convenient and efficiency, improving the installation efficiency up to 35%.

Refrigerant and condensated water outlet direction can be left, right or rear as the installation situation requires.

Model			AVS-05HJDDJ	AVS-07HJDDJ	AVS-09HJDDJ	AVS-12HJDDJ	AVS-15HJDDJ	AVS-19HJDDJ	AVS-24HJDDJ	AVS-28HJDDJ
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	5800	7500	9600	12300	15400	19100	24200	28700
	Heating	kW	2.0	2.5	3.3	4.0	5.0	6.3	8.0	8.4
		Btu/h	6500	8500	11300	13700	17100	21500	27300	28700
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
Air Flow 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
		L/s	144/139/136/ 125/119/116	164/153/144/ 136/125/117	164/153/144/ 136/125/117	172/153/144/ 136/125/117	192/183/172/ 150/144/133	269/250/236/ 222/203/192	333/300/283/ 250/222/194	389/367/333/ 283/236/203
Panel Color		–	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
Dimensions	External	H mm	270	270	270	270	315	315	315	315
		W mm	815	815	815	815	915	1085	1085	1085
		D mm	203	203	203	203	230	230	230	230
	Packaging	H mm	375	375	375	375	430	430	430	430
		W mm	920	920	920	920	1013	1178	1178	1178
		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

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.

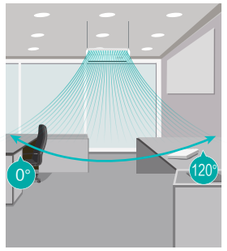
Flexible Installation

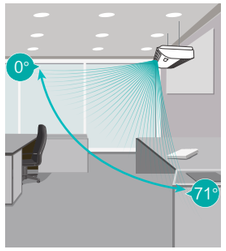
The unit can be installed to be standing on floors or hanging on ceilings. Whereby interior walls maximized to display items, can hang the unit on the ceiling.

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
			L/s	217/183/150	217/183/150	268/233/188	268/233/188	303/253/203	323/272/222	413/342/272	550/467/383
Speed-up Setting HH1			m^3/min(L/s)	14.2(237)	14.2(237)	17.8(297)	17.8(297)	19.8(330)	21.2(353)	27.0(450)	36.0(600)
Speed-up Setting HH2			m^3/min(L/s)	16.0(267)	16.0(267)	20.0(333)	20.0(333)	22.3(372)	23.5(392)	29.2(487)	37.4(623)
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.

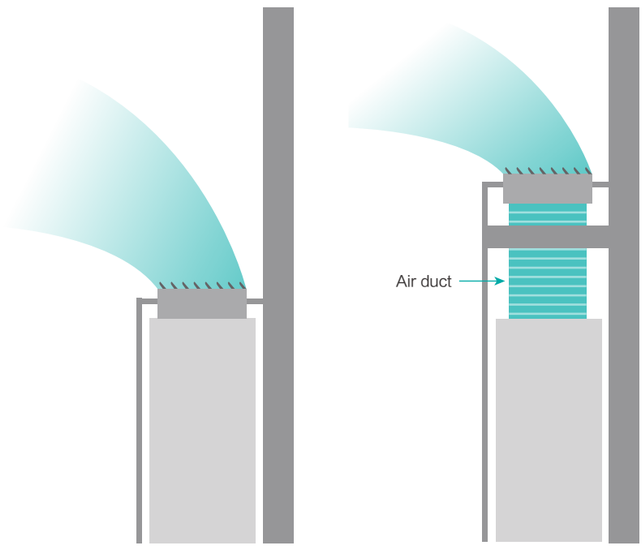
Floor Concealed

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
		L/s	142/125/106	172/150/133	247/206/175	272/231/197
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

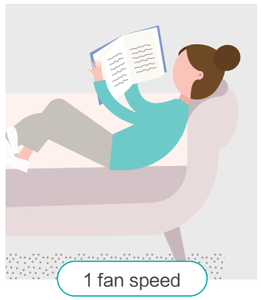
Notes:

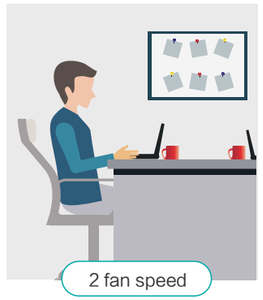
1. The nominal cooling capacity and heating capacity are based on the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
   Heating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

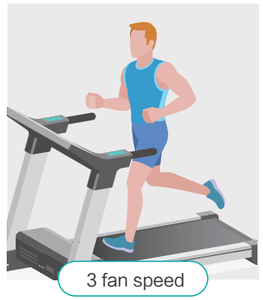
All Fresh Air Indoor Unit

Multiple Fan Speeds

Equipped with a DC motor, our system offers three-level fan speeds that can be flexibly adjusted to suit different indoor conditions.

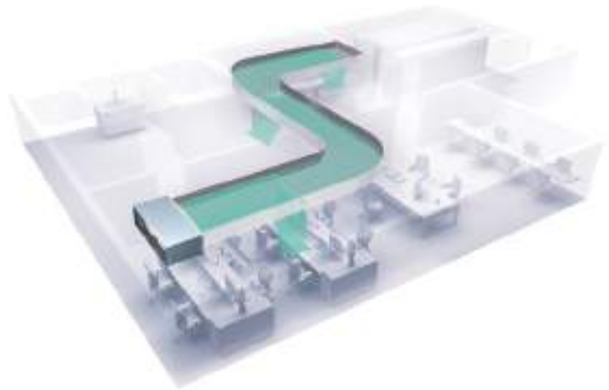

1 fan speed


2 fan speed


3 fan speed

Adjustable Static Pressure

Three static pressure modes can be adjusted to meet the needs of different air supply distance, making installation more flexible and effectively sends conditioned air to every corner of the room.

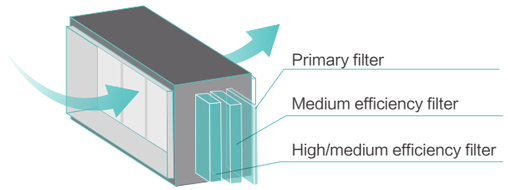


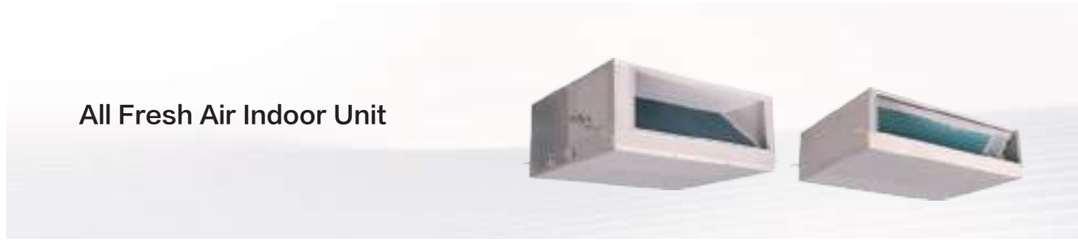
Self-cleaning Function

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. It ensures that the air blown from the air conditioner is clean and healthy.

PM2.5 Filter Box

Equipped with a high-performance filter box, our air conditioning system removes impurities from outdoor air, ensuring the air you breathe is cleaner and healthier. Besides, the filter box is designed for easy maintenance and replacement, allowing for seamless system operation.





Model			AVA-48HJFDL-108	AVA-76HJFDL-168	AVA-96HJFDL-210	AVA-114HJFDL-300
Power Supply			AC 1Φ,220V~240V/50Hz/60Hz			
Capacity	Cooling	kW	14.0	22.4	28.0	33.5
		Btu/h	47,800	76,500	95,600	114,400
	Heating	kW	13.7	21.9	24.5	26.4
		Btu/h	46,800	74,800	83,600	90,100
Power Input	Cooling	W	190	311	421	721
	Heating	W	190	311	421	721
Sound Pressure		dB(A)	42	46	48	49
Airflow Rate		m^3/min	18.0/15.6/13.3	28.0/23.2/18.3	35.0/31.7/26.7	50.0/41.7/33.3
		L/s	300/260/222	467/387/305	583/528/445	833/695/555
External Static Pressure		Pa	150(150-200-250)	150(150-200-250)	150(150-200-250)	150(150-220-300)
Piping	Connection Type		Flare-Nut Connection (with Flare Nuts)	Brazing		
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53	Φ12.70
		inch	3/8	3/8	3/8	1/2
	Gas	mm	Φ15.88	Φ19.05	Φ22.20	Φ25.40
		inch	5/8	3/4	7/8	1
	Condensate Drain	mm	VP25			
Weight	Net Weight	kg	56	107	108	108
	Gross Weight	kg	62	124	125	125
Dimensions	External	H mm	320	484	484	484
		W mm	790	1072	1072	1072
		D mm	1420	1269	1269	1269
	Packaging	H mm	420	1213	1213	1213
		W mm	1650	1450	1450	1450
		D mm	955	530	530	530

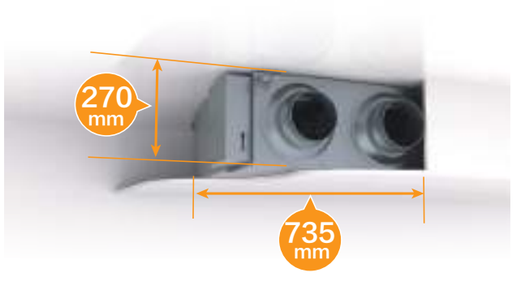
Notes:

1. The nominal cooling capacity and heating capacity are based on following conditions: Cooling operation conditions: 35℃ DB, 28℃ WB, piping length: 7.5m, piping lift: 0m. Heating operation conditions: 0℃ DB, -3℃ 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: 1.4m beneath the unit. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. In case of connecting the all fresh air type indoor unit with other indoor units in the same refrigerant cycle, the total capacity of all fresh air type indoor unit shall not exceed 30% of the rated capacity of VRF outdoor unit.
4. When the outdoor unit is connected only with all fresh air type indoor unit, the combination ratio is 80 ~ 100%.

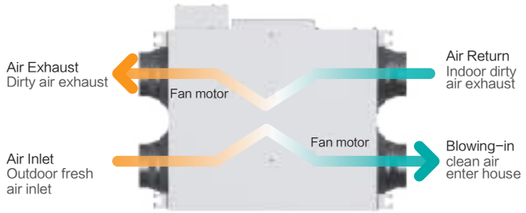
Heat Recovery Ventilator

Compact Body, Convenient Installation

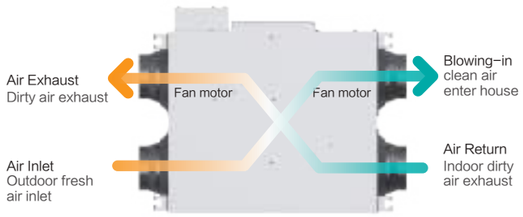
Its compact design facilitates easy installation in narrow ceilings. With a width of only 735mm, the unit (HKF/50C1EC) is perfect for the tight ceiling spaces.



Airflow System



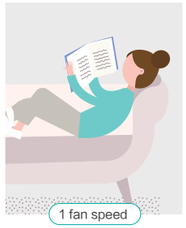
HKF-80~100C1EC

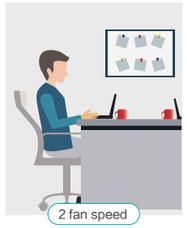


HKF-50C1EC, HKF-150~300C1EE

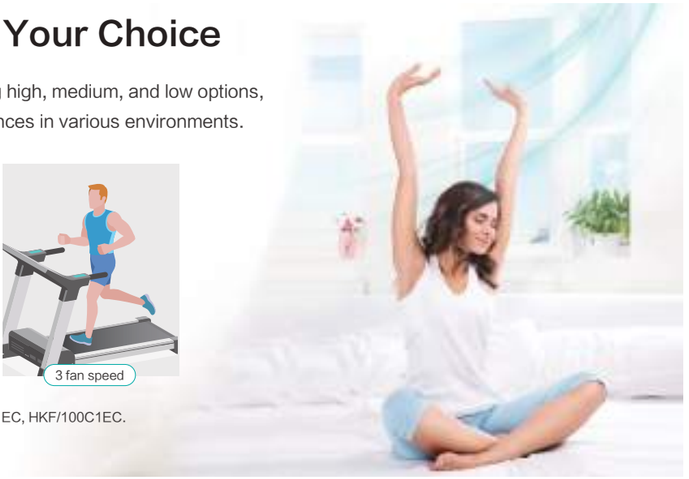
3-level Fan Speed for Your Choice

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.

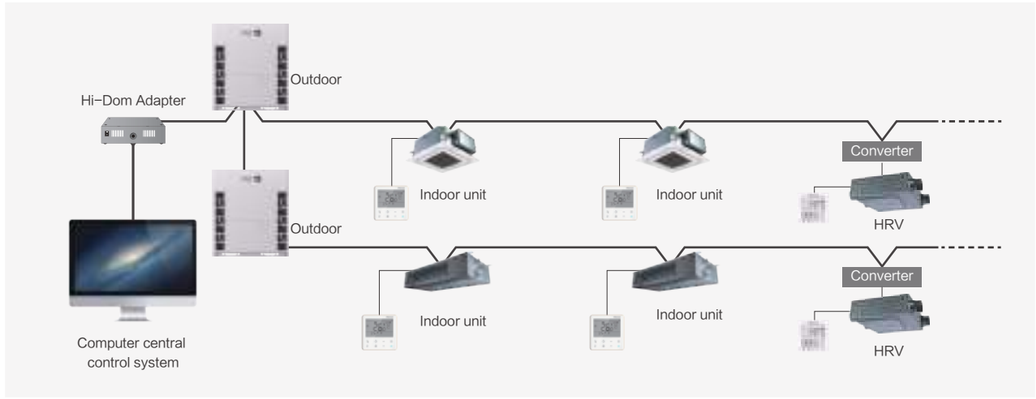
* HYXE-KC01 is standard for heat recovery ventilator. For central control requirements, please contact our technical engineers regarding the converter.

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



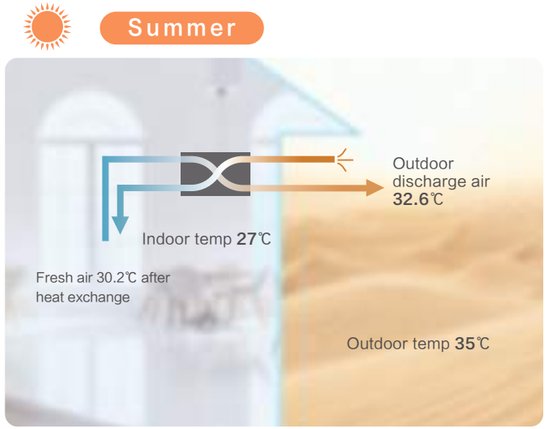
High-efficiency Heat-exchange Core

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

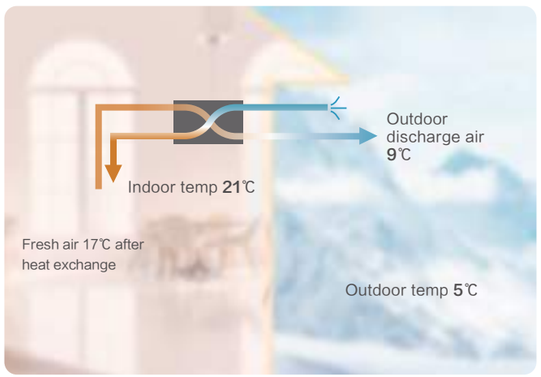
Outdoor Air

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, 220~240V/50Hz			AC 3Φ, 380~415V/50Hz			
Air Flow		High	m³/h(L/s)	500(139)	800(222)	1000(278)	1500(417)	2000(556)	2500(694)	3000(833)
		Medium	m³/h(L/s)	300(83)	600(167)	750(208)	—	—	—	—
		Low	m³/h(L/s)	180(50)	400(111)	500(139)	—	—	—	—
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 Outlet		mm	Φ194	Φ242	Φ242	320×300	320×300	365×275	365×275
	Air Inlet		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

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

Hisense VRF

CONTROL SYSTEMS

Individual Control

Centralized Control

Intelligent Control

AIR CONDITIONING SOLUTION

Overview

Model	Wired Controller HYXM-VG01	Wired Controller HYXE-VA01A	Wireless Controller HYE-VD01
Picture			
Max. connectable indoor units	16	16	—
Power supply	15V	15V	3V
Dimension(mm)	120*120	120*120	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	Centralized Controller	ON/OFF
	Model	HYXM-VG01	HYXE-VA01A	HYE-VD01	HYJM-RA10D	HYJ-J01H
	Picture					
Indoor Unit	4-Way Cassette	○	○	○	○	○
	Mini 4-Way Cassette	○	○	○	○	○
	1-Way Cassette	○	○	○	○	○
	2-Way Cassette	○	○	○	○	○
	Ceiling Ducted (AC/DC)	○	○	○	○	○
	Ceiling Ducted (High/Low)	○	○	○	○	○
	Console	○	○	●	○	○
	Wall Mounted	○	○	●	○	○
	Ceiling & Floor	○	○	●	○	○
	Floor Concealed	○	○	○	○	○
	All Fresh Air	○	○	○	○	○
	Heat Recovery Ventilator	×	×	×	○	○
	AHU Kit	○	●	×	○	○

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

Remarks: Standard: ● Optional: ○ Incompatible: ×

Individual Control

Wired Controller

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

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
- Brand-new Auto Changeover
- Refrigerant Leakage Alarm

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

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:

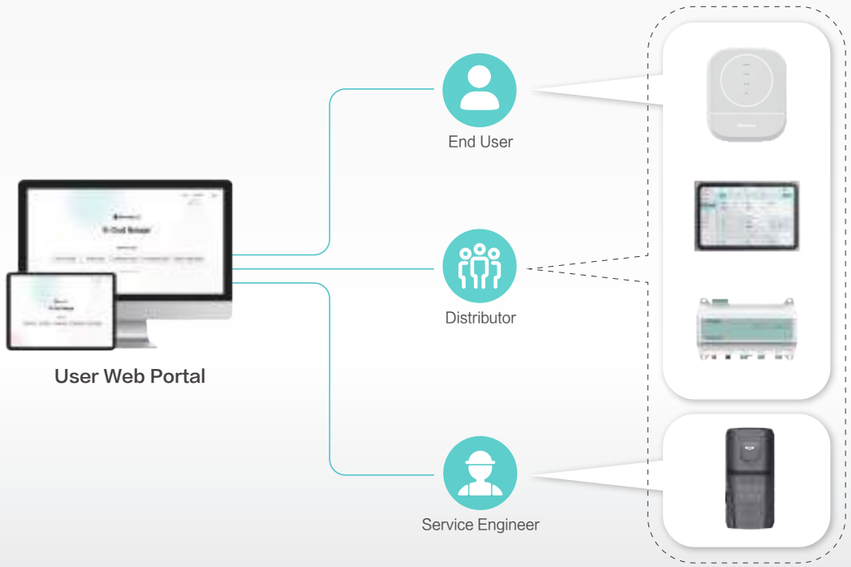
- Centralized remote control
- Overview of key data
- Operation statistics
- Global project map
- Project management
- Regional plane navigation
- Schedule management
- Energy conservation management
- Alarm and message management

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

One-Click Remote Control

With our Hi-mit App, control your home on-the-go. Turn on the AC during your commute, enjoying the fresh breeze the moment you step into your house. Experience the future of convenience, where your comfort is just a tap away.

Whole-house Voice Control

Hisense VRF sysetem can be connected with Google and Amazon speakers for effortless voice control in your house. Wake up your devices with a simple voice command, adjusting power on/off, setting modes, temperatures, and fan speeds without lifting a finger, freeing you to enjoy a truly hands-free smart living experience.

works with Google Home

works with alexa

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
- Voice control available

Hisense Hi-Mit

Available on the App Store

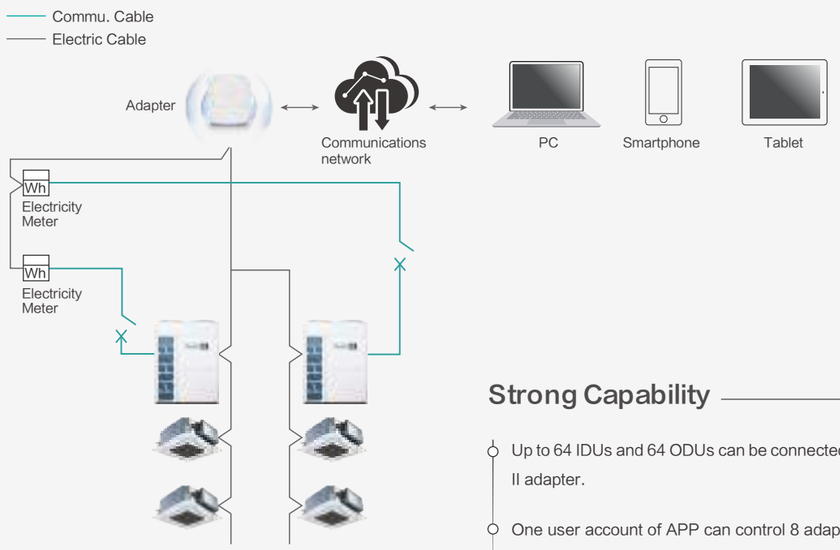
Download today Google Play

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

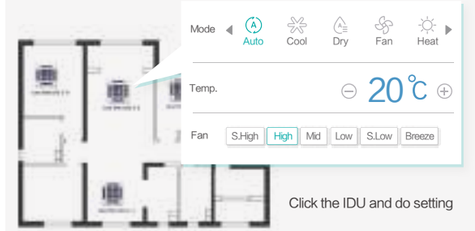
Features

- 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

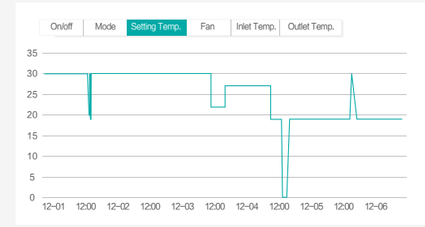
◉ Humanized interaction interface and comfortable user experience.

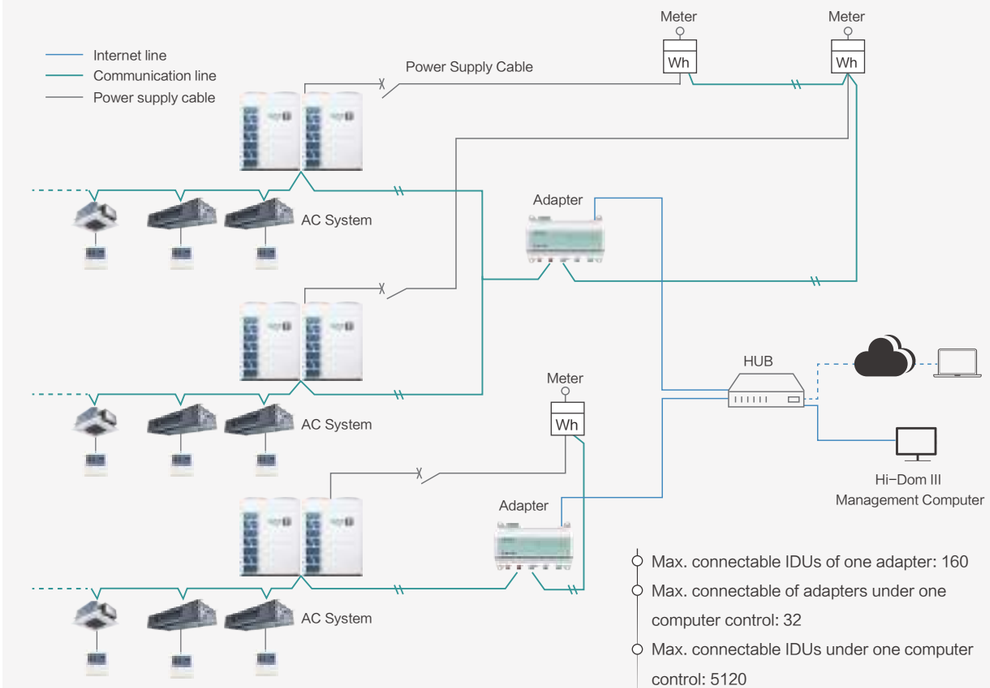
◉ The electricity consumption allocation makes it easy for users to allocate total electricity consumption among building occupants. Both segmented tariff and single tariff are available.

◉ 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.





- Max. connectable IDUs of one adapter: 160
- Max. connectable of adapters under one computer control: 32
- Max. connectable IDUs under one computer control: 5120

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

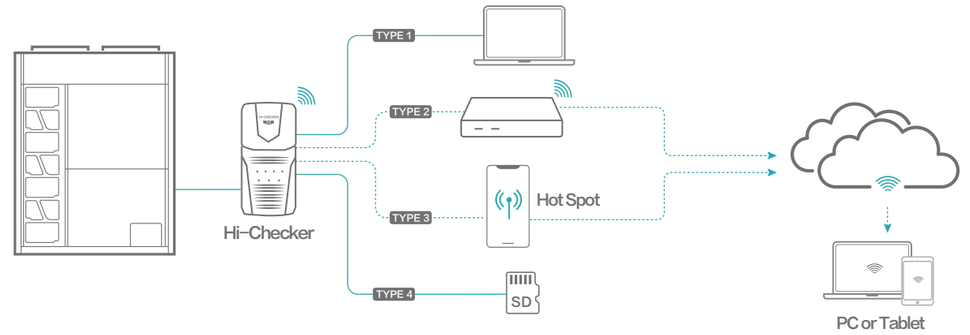
Easy to Use

- 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

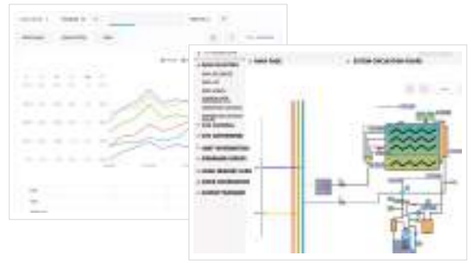
4 Ways to Access the Operation Data

- 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

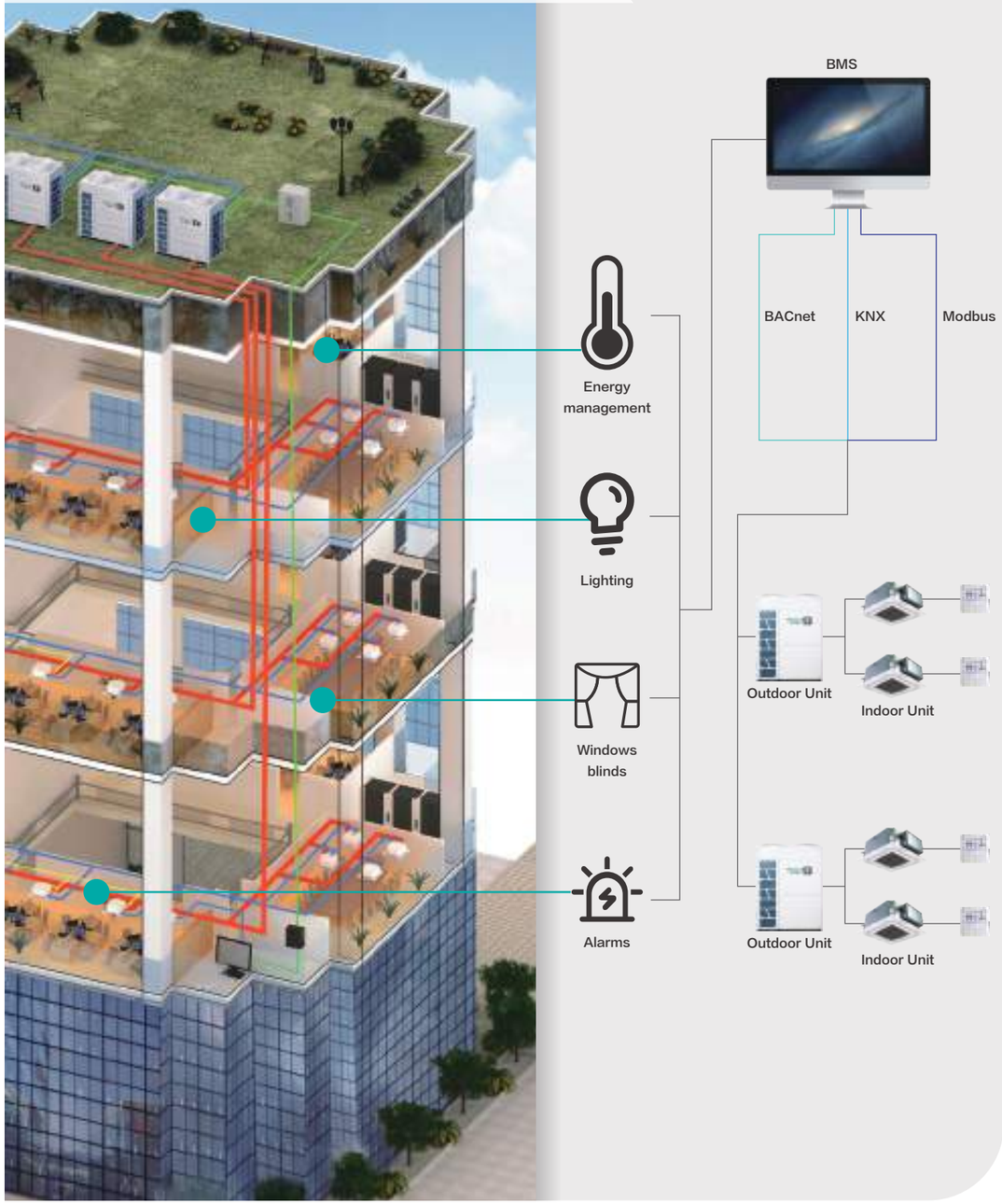
- Powerful and detailed chart analysis on the operation data, allowing users to determine the system condition easily. Together with the smart system diagram, it is interesting and easier for maintenance.
- Users can export the professional report either in .csv or .pdf format, very user-friendly.



Specifications

Mode	Size (LxWxH)mm	Net Weight (g)	Power Suppy	Connectable IDUs
HCCS-J64H2C3M	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.

Hisense VRF

ACCESSORIES

AIR CONDITIONING SOLUTION

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	
HCM-01E	4-Way Cassette	

Fresh Air Duct Adapter

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

Humidity Sensor

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

Wall Mounted Temperature Sensor

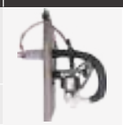
Model	Dimensions (LxWxD) mm	Applicable Models	Picture
HCT-S01E	100x100x25	All types of indoor units	

Filter

Filter model	Dimensions (LxWxD) mm	Applicable Models	Grade	Picture
HF-56MQE	343×343.5×15.0	AVC-05~19HJDBA	G4	
HF-160MQE	527×513.0×17.0	AVBC-09~54HJDBA	G4	
HF-280L-FE	Filter:1100x432.5 Frame: 1245x463	AVD-76/96HJDH AVA-76~114HJFDL	G1	

Filter box model	Dimensions (L×W×H) mm	Applicable Models	Grade	Picture
HFB-96LFGDE	1339×384×462	AVD-76/96HJDH AVA-76~114HJFDL	High-efficiency filter:HF-96HFGDE Coarse filter:HF-96LFGDE	
HFA-1080HP-XFE	1368×400×394	AVA-48HJFDL	G4+F7+F9	
HFA-3000HP-XFE	1236×400×502	AVA-76~114HJFDL	G4+F7+F9	

Drain Pump

Model	Applicable Models	Power Supply	Picture
HPS-F133E	AVD-07~24HJDH	220-240V/50/60Hz	 HPS-F133/363/134/364E
HPS-F363E	AVD-24HJDH1 / AVD-30~54HJDH		
HPS-151#E	All types of indoor units except wall mounted.	220-240V/50/60Hz	 HPS-151#E
HPS-F8103E	AVD-76/96HJDH	220-240V/50/60Hz	 HPS-F8103E

3D Air-flow Panel

Panel Model	Applicable Models	Dimensions (H×W×D) mm	Picture
HP-CB-NA	Ceiling ducted type (DC low-height) AVE-05~12HJDDH	180×740×70	
HP-DB-NA	Ceiling ducted type (DC low-height) AVE-15HJDDH	180×950×70	
HP-EB-NA	Ceiling ducted type (DC low-height) AVE-19~24HJDDH	180×1220×70	

AirPure Kit

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

NFC

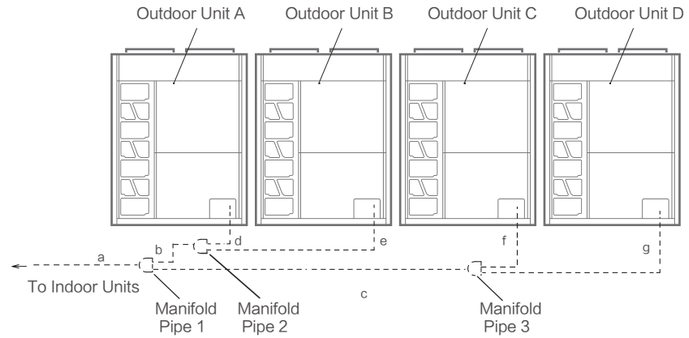
Model	Applicable Models	Picture
HNFC-EA1	AVWT-76~1029HKF5S	

Note: Suitable for S5 series.

Piping Connection Kit

Manifold Pipe (For outdoor unit)

(Indoor Unit on Left Side)



For S5 Series System

Outdoor Unit	AVWT-366~444HKF5S	AVWT-464~686HKF5S	AVWT-714~790HKF5S	AVWT-807~843HKF5S	AVWT-864~1029HKF5S
Manifold Pipe1	HFQ-M32F	HFQ-M462F	HFQ-462F	HFQ-M682F	HFQ-682F
Manifold Pipe2	-	-	HFQ-M462F	HFQ-M462F	HFQ-M462F

For S Series Heat Recovery 2 Pipes System

Outdoor Unit	AVWT-228~424FKFSHA	AVWT-444~510FKFSHA	AVWT-530~636FKFSHA	AVWT-648~848FKFSHA
Manifold Pipe1	HFQ-M32F	HFQ-M32F	HFQ-M462F	HFQ-M682F
Manifold Pipe2	—	HFQ-M32F	HFQ-M32F	HFQ-M32F
Manifold Pipe3	—	—	—	HFQ-M32F

For S Series Heat Recovery 3 Pipes System

Outdoor Unit	AVWT-228FKFSHA	AVWT-250~340FKFSHA	AVWT-360~424FKFSHA	AVWT-444~510FKFSHA
Manifold Pipe1	HFQ-M202F	HFQ-M212F	HFQ-M302F	HFQ-M302F
Manifold Pipe2	—	—	—	HFQ-M212F
Manifold Pipe3	—	—	—	—

Outdoor Unit	AVWT-530FKFSHA	AVWT-550-636FKFSHA	AVWT-648~680FKFSHA	AVWT-700~720FKFSHA	AVWT-740~848FKFSHA
Manifold Pipe1	HFQ-M462XF	HFQ-M462XF	HFQ-M682XF	HFQ-M682XF	HFQ-M682XF
Manifold Pipe2	HFQ-M212F	HFQ-M302F	HFQ-M212F	HFQ-M302F	HFQ-M302F
Manifold Pipe3	—	—	HFQ-M212F	HFQ-M212F	HFQ-M302F

Branch Pipe (For indoor unit)

First Branch Pipe

For S5 Series System

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 46	48 to 82	84 to 108
Branch Pipe	HFQ-102F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-462F	HFQ-682F

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 88
Branch Pipe	HFQ-102F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-462F	HFQ-M682F

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 88
Branch Pipe	HFQ-M282F	HFQ-M452F	HFQ-M562F	HFQ-M692F	HFQ-M902F	HFQ-462XF	HFQ-682XF

First Branch Pipe~Last Branch Pipe

For S5 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 35.99	36 to 47.99	48 to 57.99	58 to 83.99	Over 84
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 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 3 Pipes System

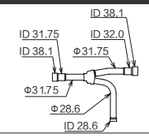
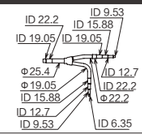
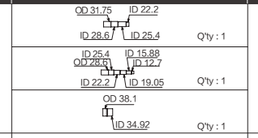
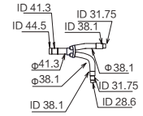
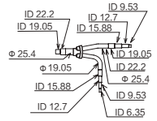
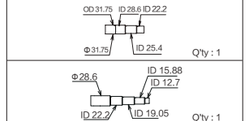
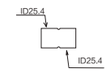
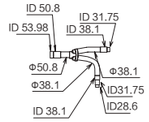
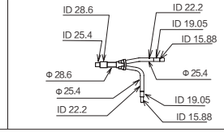
Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 21.99	22 to 25.99	26 to 35.99	36 to 55.99	56 to 57.99	58 to 67.99	Over 68
Low Pressure Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	28.6	31.75	38.1	41.3	44.5	50.8
High/Low Pressure Gas (mm)	12.7	15.88	19.05	22.2	22.2	22.2	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

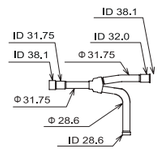
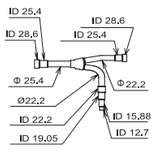
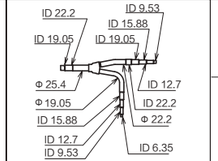
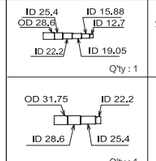
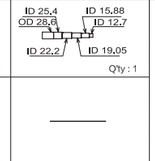
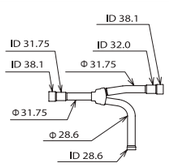
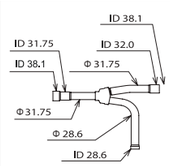
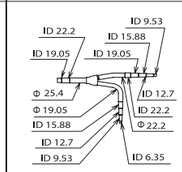
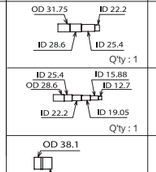
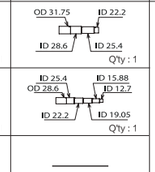
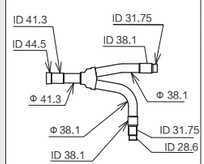
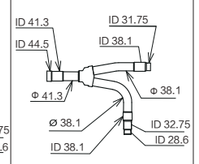
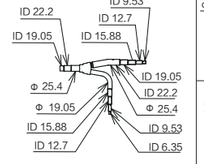
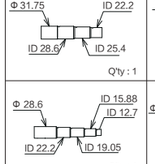
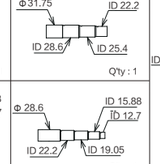
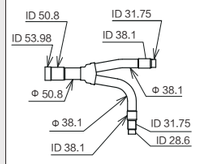
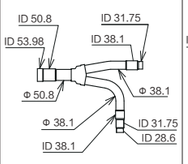
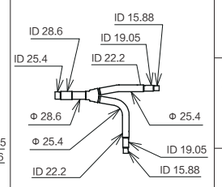
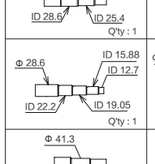
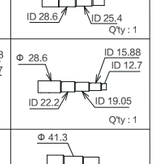
Last Branch Pipe~Indoor Unit

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.

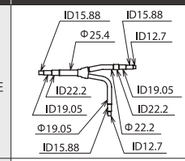
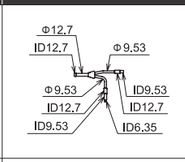
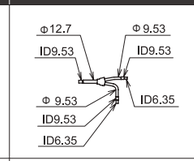
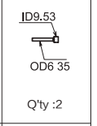
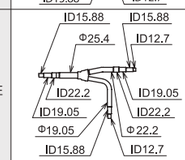
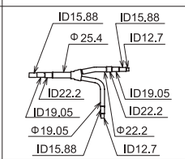
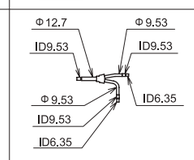
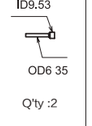
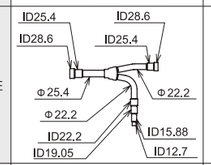
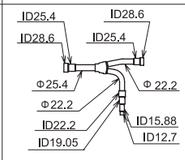
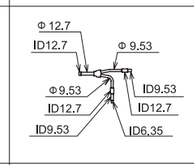
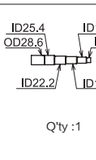
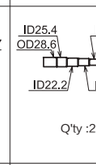
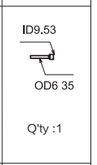
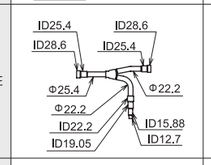
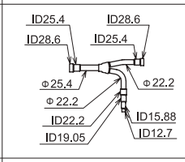
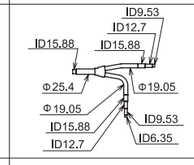
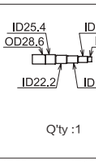
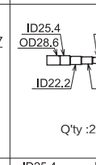
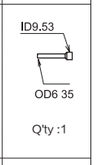
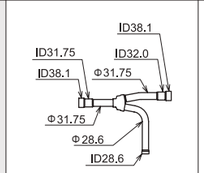
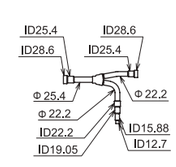
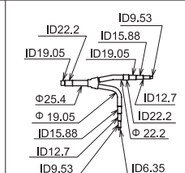
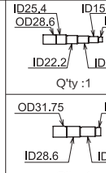
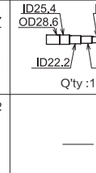
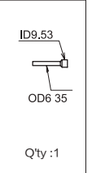
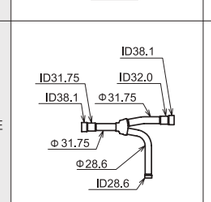
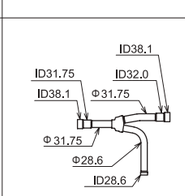
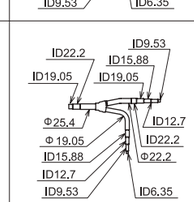
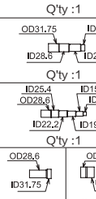
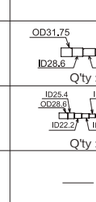
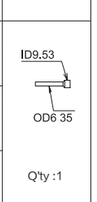
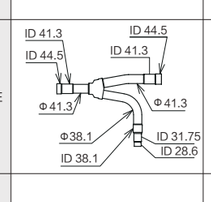
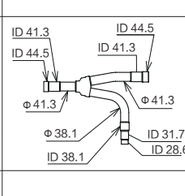
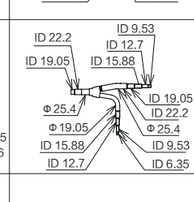
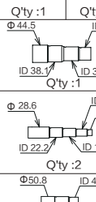
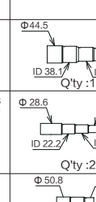
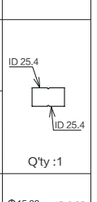
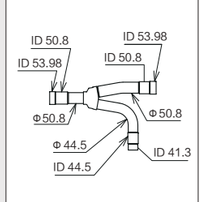
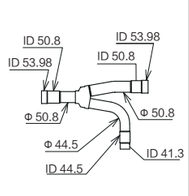
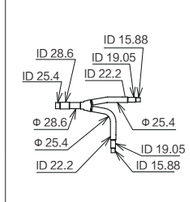
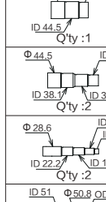
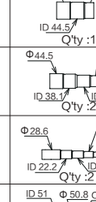
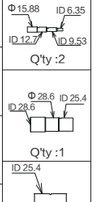
Manifold Pipe Parameter

Model	Gas Line	Liquid Line	Reducer for Gas Line	Reducer for Liquid Line
HFQ-M32F#E				——
HFQ-M462F#E				
HFQ-M682F#E				——

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-M212F#E						——
HFQ-M302F#E						——
HFQ-M462XF#E						
HFQ-M682XF#E						——

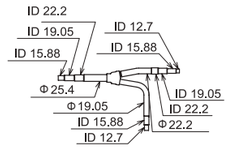
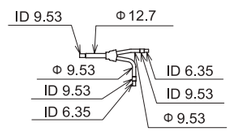
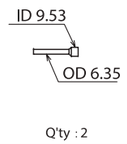
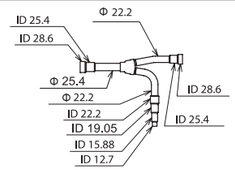
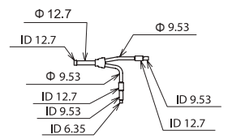
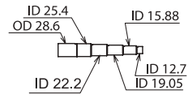
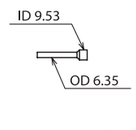
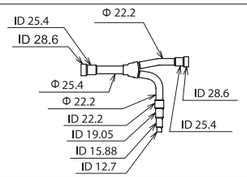
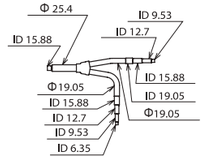
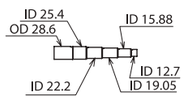
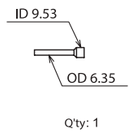
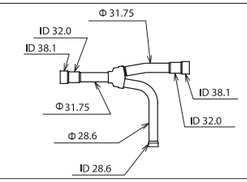
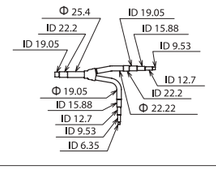
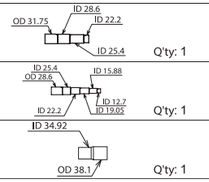
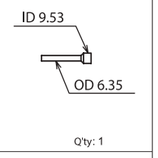
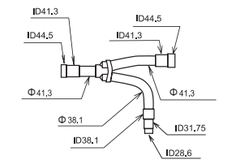
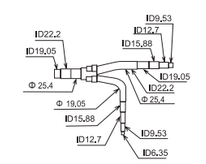
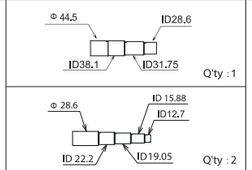
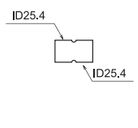
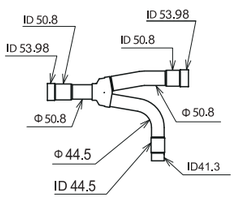
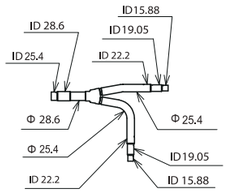
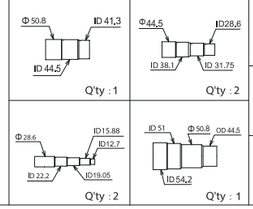
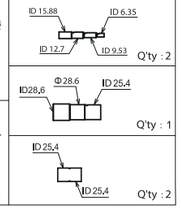
Unit: mm, ID: Inner Diameter, OD: Outer Diameter.

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				——	——	
HFQ-M282F#E				——	——	
HFQ-M452F#E						
HFQ-M562F#E						
HFQ-M692F#E						
HFQ-M902F#E						
HFQ-M462XF#E						
HFQ-M682XF#E						

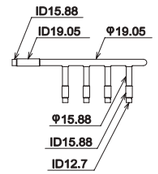
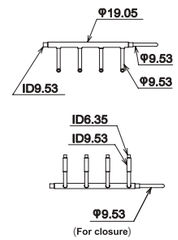
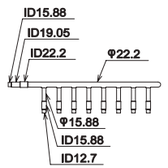
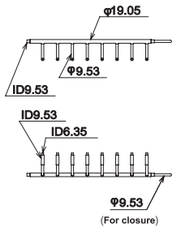
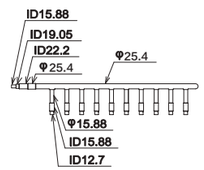
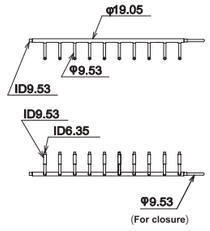
*For the models shown in the table, there is no insulation included. If insulation is needed, please contact with our local engineer.

Branch Pipe Parameter

Model	Gas Line	Liquid Line	Reducer for Gas Line	Reducer for Liquid Line
HFQ-102F#E			———	
HFQ-162F#E				
HFQ-242F#E				
HFQ-302F#E				
HFQ-462F#E				
HFQ-682F#E				

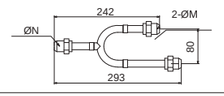
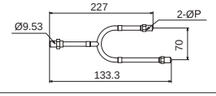
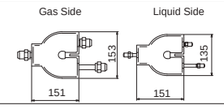
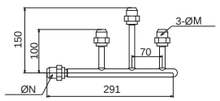
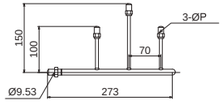
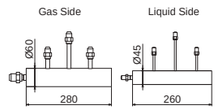
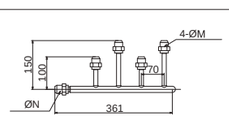
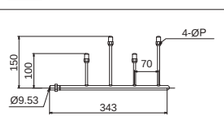
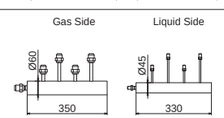
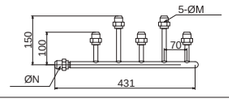
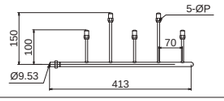
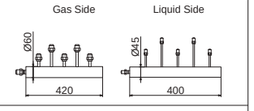
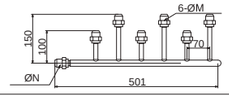
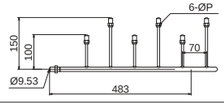
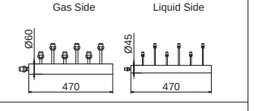
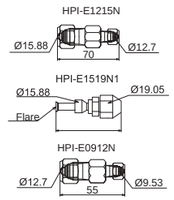
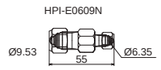
Unit: mm, ID: Inner Diameter, OD: Outer Diameter.

Branch Header

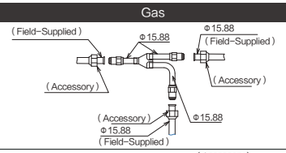
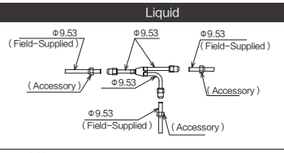
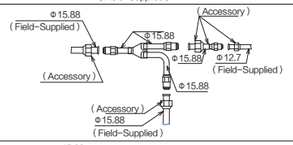
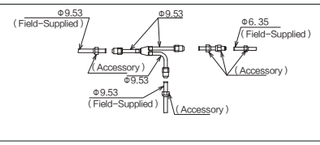
Model	Gas Line	Liquid Line	Closing Pipe	Expander
HFQ-064HFD			(gas pipe)  (2 pc) (liquid pipe)  (2 pc)	(liquid pipe)  (4 pc)
HFQ-068HFD			(gas pipe)  (6 pc) (liquid pipe)  (6 pc)	(gas pipe)  (2 pc) (liquid pipe)  (8 pc)
HFQ-0610HFD			(gas pipe)  (8 pc) (liquid pipe)  (8 pc)	(gas pipe)  (2 pc) (liquid pipe)  (10pc)

Branch Header for A Series

Unit:mm

Model	ØN	ØM	Gas side joint(ØN-ØM)	ØP	Liquid side joint(Ø9.53-ØP)	Insulation
HFQ-082TF#EN	15.88	12.7		6.35		
HFQ-102TF#EN	19.05	15.88		9.53		
HFQ-083TF#EN	15.88	12.7		6.35		
HFQ-103TF#EN	19.05	15.88		9.53		
HFQ-084TF#EN	15.88	12.7		6.35		
HFQ-104TF#EN	19.05	15.88		9.53		
HFQ-085TF#EN	15.88	12.7		6.35		
HFQ-085TF#EN	19.05	12.7		6.35		
HFQ-086TF#EN	15.88	12.7		6.35		
HFQ-086TF#EN	19.05	12.7		6.35		
ADAPTER HPI-E1215N HPI-E0609N HPI-E1519N1 HPI-E0912N						

Flare-nuts Branch Pipe for A Series

Model	Gas	Liquid
HFQ-052F#EN 1		
HFQ-052F#EN 2		
HFQ-052F#EN 3