

Hisense

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Hisense to Be with you

CONTENTS



FLEXIBILITY



OUTDOOR UNIT



RELIABILITY



EFFICIENCY



COMFORT



INDOOR UNIT



CONTROL SYSTEM

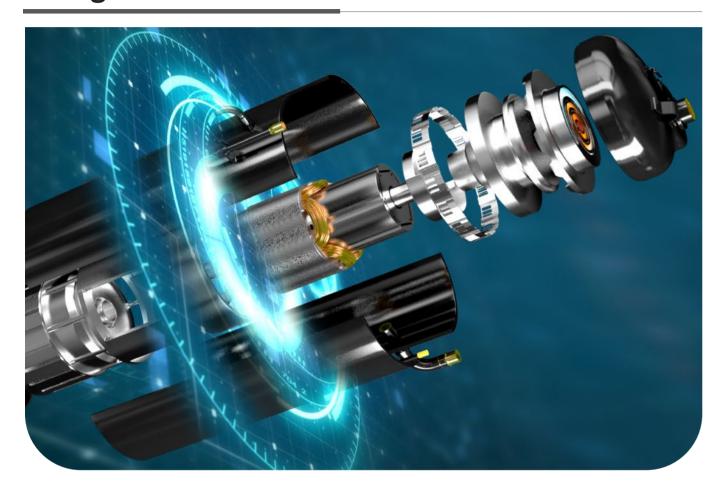


ACCESSORY AND TOOLS

• RELIABILITY • EFFICIENCY • COMFORT • FLEXIBILITY • OUTDOOR UNIT • INDOOR UNIT • CONTROL SYSTEM • ACCESSORY AND TOOLS



Refrigerant Circuit





Revolutionary HVAC compressor

Vapour injection technology

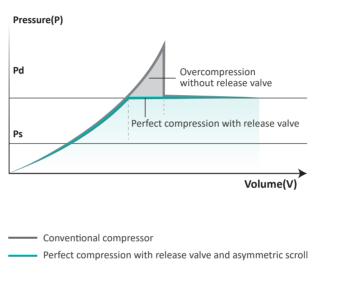
New generation scroll compressor is now patented with higher performance capability vapour injection technology, increasing capacity upto 25% compared to conventional scroll compressor with same amount of power consumed.

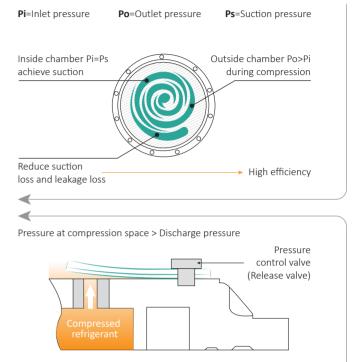


Refrigerant Circuit

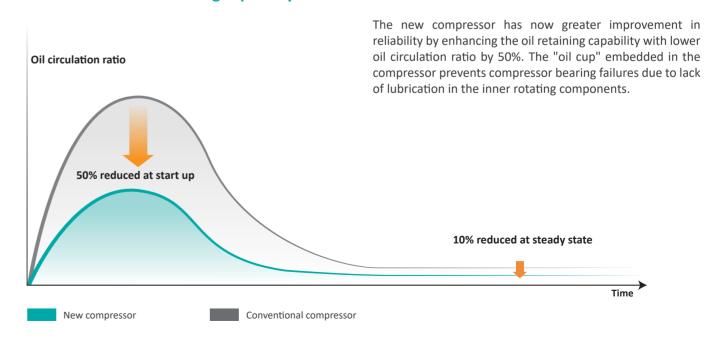
Efficient energy usage

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



Refrigerant Circuit



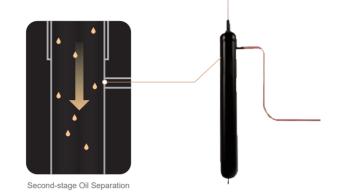
Oil separation and oil return

Oil separation



First-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.

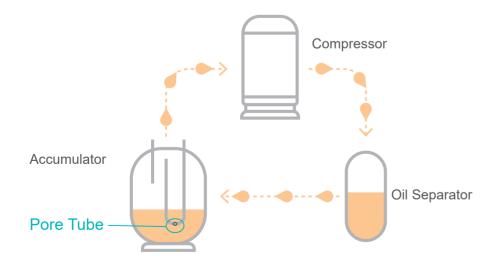


During second-stage oil separation, the small amount of oil discharged from compressor is separated by a large-capacity, high-efficiency centrifugal oil separator, with efficiency over 99%.

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.



Anti-corrosion Solution

Hisense's complete corrosion-proof is a perfect solution in seaside and chemical factory applications, providing ultimate comfort without sacrificing life span and reducing maintenance cost simultaneously.

Besides the heat exchanger, component from top to toe are treated with effective treatments and tested according to ISO, ASTM and GB standards.

Front Panel

Galvanized steel treated with zirconium & 100μm~180μm epoxy zinc rich primer + pure polyester paint coating.

2 Heat Exchanger

Black fin with epoxy resin & hydrophilic film.

3 Electrical Bo

Galvanized steel treated with zirconium & $50\mu m^2120\mu m$ pure polyester.

Fan Motor

Coated with 10 μ m ~30 μ m Acrylic Resin coating Thickness: 10 μ m ~30 μ m

Top Grill

6 Motor Bracket

Protection Net





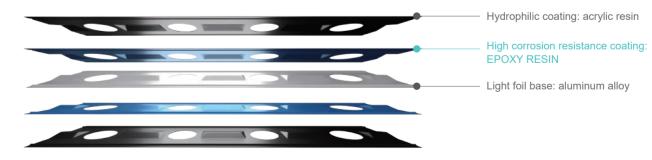
Hisense anti-corrosion black fin (optional)

Hisense and-corrosive fins are coated with epoxy resin using film-forming techniques compared with traditional 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.

Hi black fin

The moisture facilitates ionization of Zinc. It will protect fins from corrosion.



System & Operation

System & Operation





Severe reliability quality tests

Non-affecting reliability transportation

As common as items being transported by logistic transportations on roads and sea, the constant vibration during shipment would accelerate wear and tear rates, which eventually pull down the reliability of the unit. To cope to and overcome such conditions, strict laboratory assessments are required using simulators mimicking the real shipping conditions of upto 6000 km and 500 minutes road distance and 240 minutes sea distance.



Extreme weather withstand ability

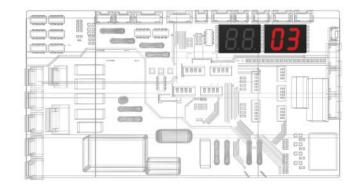
Hisense VRF air-conditioning units are tested many times under extreme conditions, such as intense low outdoor temperature, extreme high indoor temperature, rain or sun shine, etc. to ensure the best performmance in the faboratory.



Self-diagnosis, protect & regulate

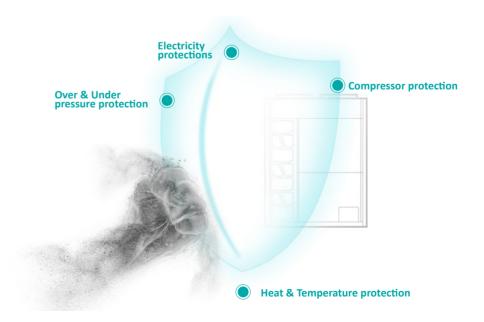
Self-diagnosis

Alarm codes will flash when an error or breakdown occurs, which is helpful for installers and end-users to understand what's going on during test run. Besides alarm codes, operating status and parameters such as history temperature, pressure, compressor frequency and etc. are traceable on controllers and the outdoor unit, making service maintenance and troubleshooting much easier.



Self-protection measures

Hisense VRF can protect ifself with algorithms embedded to make necessary protective decisions and measures by different sensor readings and parameters, including compressor protections, temperature protections, system pressure protections and electricity protections.



AIR CONDITIONING SOLUTION

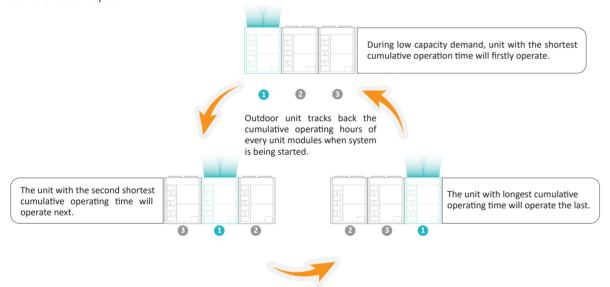
System & Operation



Smart rotative operation & double back-up protection

Smart rotational operation

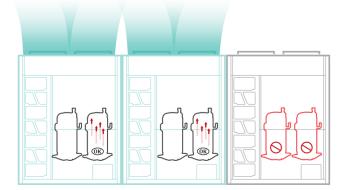
Operation duties are smartly balanced in higher capacity module combinations to prevent occurrence of individual unit overworked and hence extending the overall operating life of the overall system.



Double back-up protection

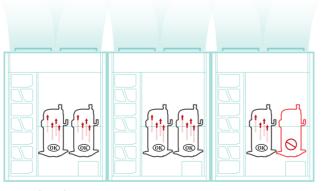
Hisense VRF has a standard double back-ups to keep you staying comfy indoors despite having a compressor or any one unit of a modular combination fails as other compressors and units will proceed and step up its operation to ensure user's continuous comfort.





First Backup (When single module fails)

Note For modular combination units



Second Backup (when any compressor fails)

Note For units with dual compressors

System & Operation

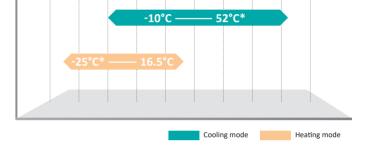
Reimagine your solution



Wider operation range

Extended operation range creates wider application potential, in cooling mode the operation range is from -10°C to 52°C and in heating mode the operation range is from -25°C to 16.5°C, which adapts to extreme conditions.

-25~16.5 [℃] is the Web bulb temp. range. When the temperature is in 48°C~52°C and -20°C~ -25°C, the module is in intermittent operation.





Auto snow accumulation prevention

To maintain the reliability of the outdoor unit despite with harsh environmental conditions, Hisense VRF is made compatible to snow sensors to naturally cast out snow, preventing snow being piled up.

Sensor connection ports are available for connection but snow sensors are not supplied.

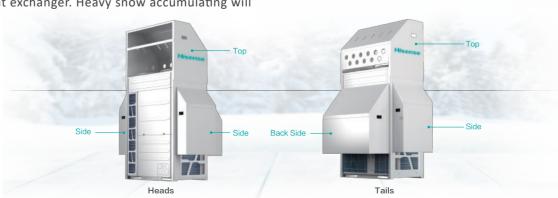




Snow hood (optional)

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.



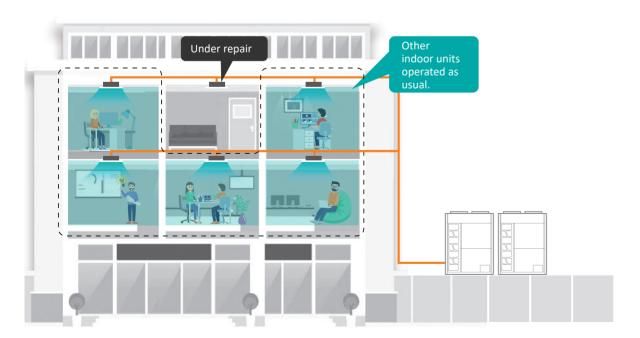
Reliability





To maintain the whole system's continual operation when there is a breakdown in the 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.



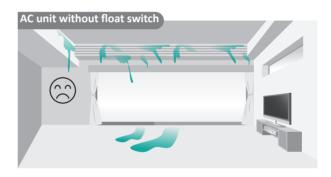
*Preliminary setting is unnecessary

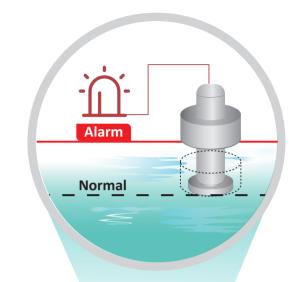
Reliability



Condensate leakage protection

Besides providing reliable air-conditioning units, we also want to keep your possessions lasting. Hence, our indoor units have build-in water-leakage float switches. Alarming warnings will be displayed on controllers when condensate reaches a certain level, and will automatically turn-off itself when it reaches a threatening level, to save your ceilings and carpets from being soaked in times when drain pipes are 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.

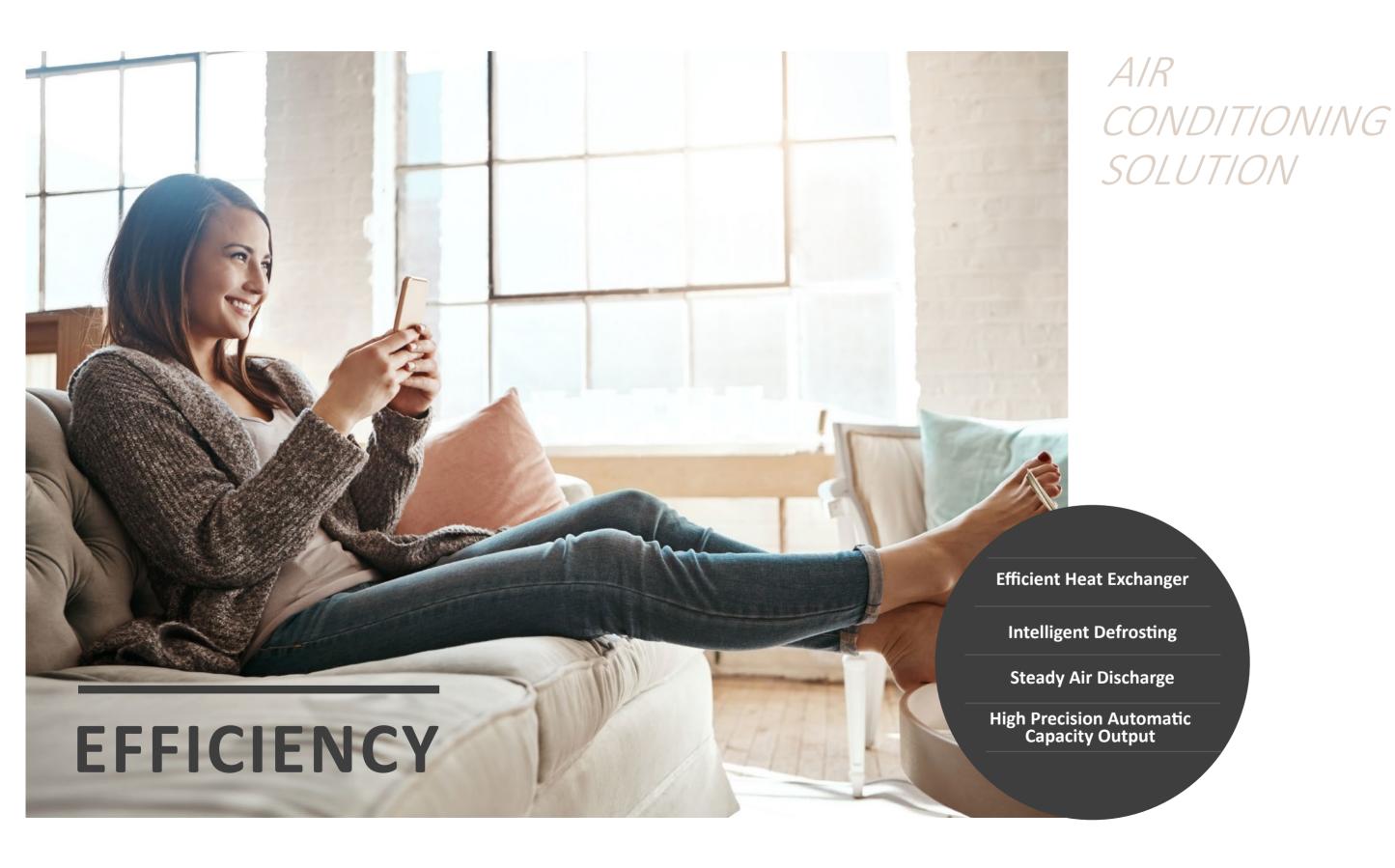
Transparent drain pipe

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.

Anti-corrosion drain pan

Conventional drain pans made of metal are prone to corrosion after continual exposure in moisture and air, as well as mold and algae reproduction. Hisense indoor unit built-in drain pans made out of ABS coated foam keep them from corrosion and smooth con- densate discharge, effectively prevents mold and algae growth. Not to mention, it will great improve thermal insulation and anti-aging properties.

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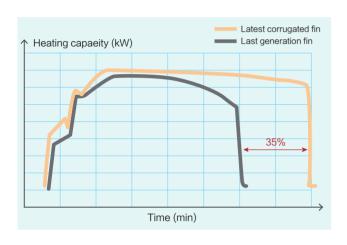
Efficient Heat Exchanger

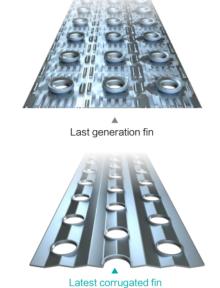


New advanced corrugated fin design

A new commitment is made on new fin design to create better efficiency and more durable heat exchanger. With this new design, larger amount of fins can be allocated into the heat exchanger, increasing 22% heat exchange surface area.

Long-time stable heating performance

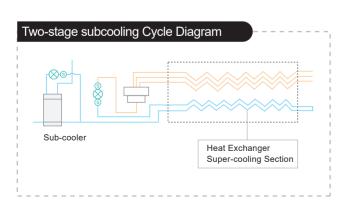


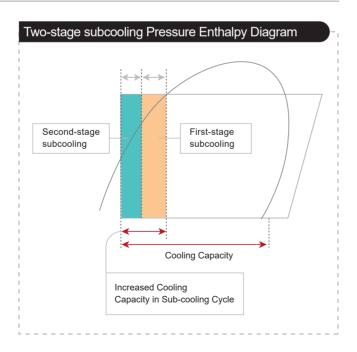




Two-stage subcooling

Comparing with the conventional VRF systems without subcoolers, the subcooling temperature is about 12.5°C in systems with one stage subcoolers. However, Hisense VRF's 2-stage subcooling technology can realize the subcooling temperature upto 27°C, distinctly improved cooling capacity of the system by pushing refrigerant further beyond its condensing temperature.





Efficient Heat Exchanger

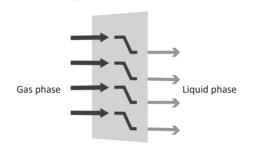


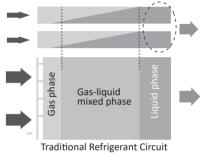
Optimized refrigerant circuit

As refrigerant flows in the system, energy will lost due to friction and other factors naturally, especially with refrigerant change phase, latent heat are lost when gas turns to liquid. In order to make full use of heat dissipation, refrig-

erant flow layout is maneuvered into 2 to 1. Refrigerant Flow Path extends liquid refrigerant's occupancy and eventually improve the efficiency too.

Conventional technology

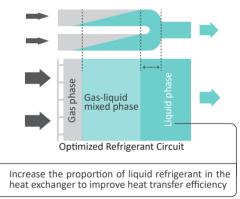








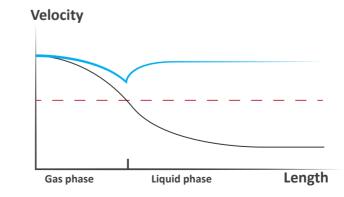
2-to-1 Refrigerant flow path Gas phase Liquid phase





Liquid Refrigerant

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





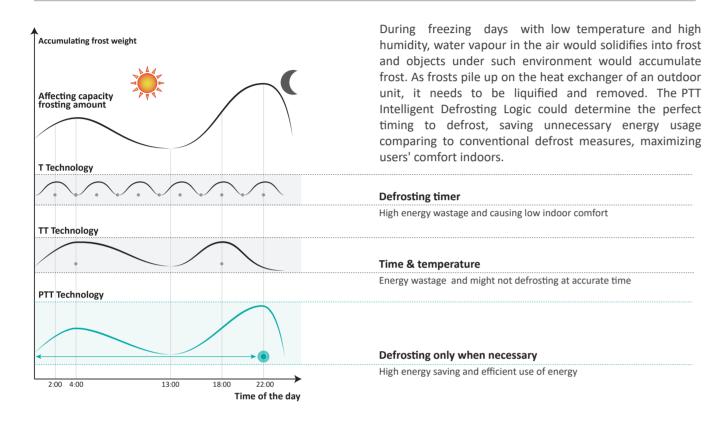
2 to 1 circuit: velocity is maintained same goes to the efficiency of refrigerant heat exchange.

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

Intelligent Defrosting



PTT defrosting mode



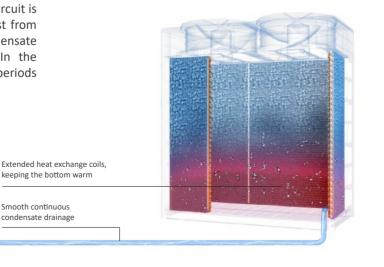
Smooth continuous

condensate drainage



Bottom anti-frosting structure

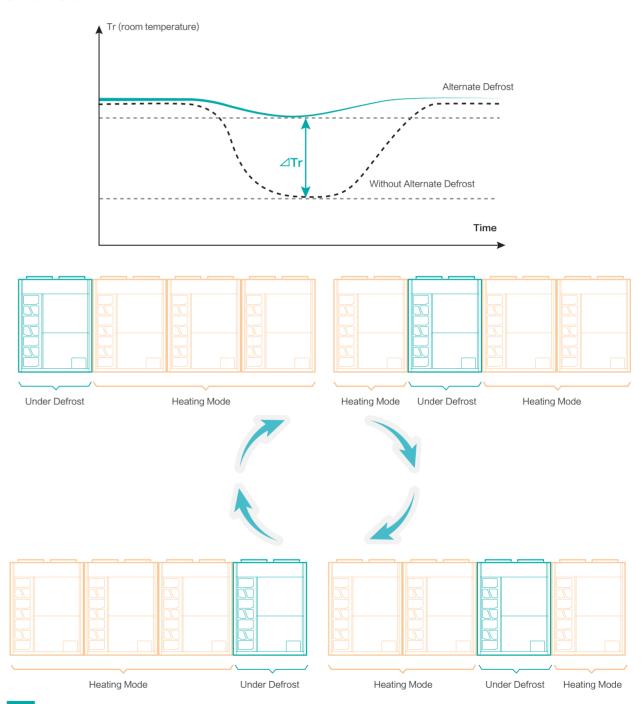
To ensure effective frost removal, heat exchanger circuit is extended to the bottom to make sure melted frost from the top does not solidify, as it reaches to the condensate drain and hence enhances smooth discharge. In the meantime, the heat also extends frost formation periods whereby prolongs defrost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



Intelligent Defrosting

Continuous heating during defrost

Alternate defrost function can keep indoor ambient temperature less fluctuating, provide you with a more comfortable environment.



Only available for module combinations of Hi-FLEXI S series.

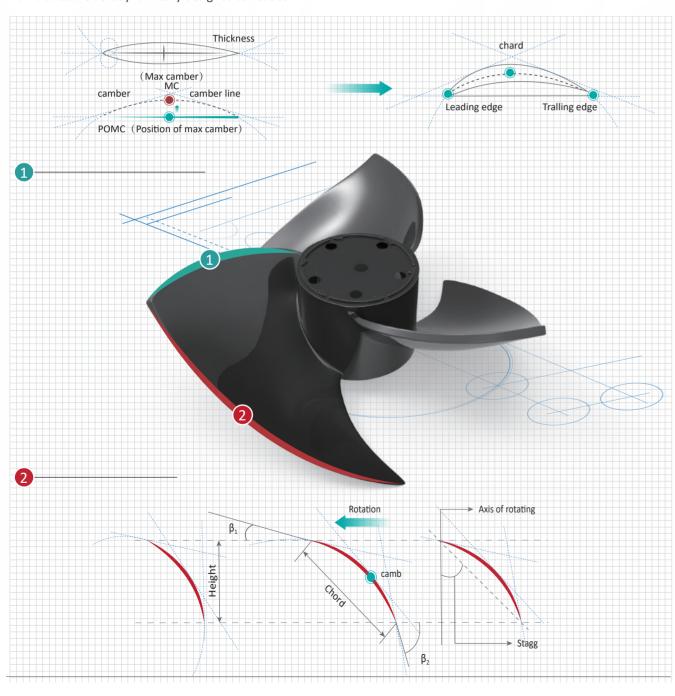
Steady Air Discharge



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. The propeller is now made of fiber glass composite to resist corrosion better, and have better durability and approximately 60% lighter in weight than to conventional metal propellers. 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 noise of the propeller structure.



Steady Air Discharge



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.

Bell shroud

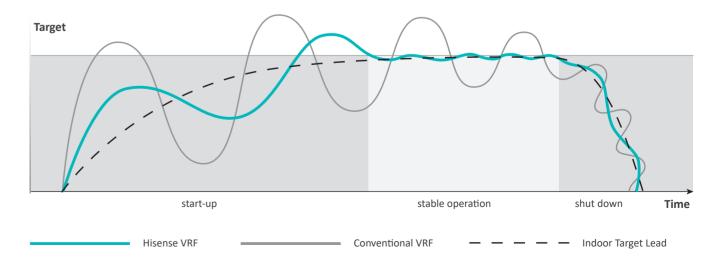
As a smooth tunnel, the bell mouth of the propeller discharge out a more stable air current, creating further and quieter air discharge.



High Precision Automatic Capacity Output

Besides having a high quality powerful compressor, a precise compressor control is extremely crucial in keeping system operating in optimum efficiency. The 180° Sine Wave DC Variable Speed Drive is now a common way to control HVAC compressors, but what makes Hisense VRF stands out is the calculation algorithm we adopt in all our

inverters, called Hybrid sensorless are now having 50% faster feedback and response time than our previous models. This new algorithm also improved compressor's stability and control precision by 52%, improving capacity output precision, closer to actual load requirement automatically and reduce unnecessary energy wastage.



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COMFORT

A/R
CONDITIONING
SOLUTION

Temperature Control

Rapid Start-up

Smart Air Supply

Agile Air Supply

Lower Noise

Clean Fresh Air

AIR CONDITIONING SOLUTION

Temperature Control



Auto refrigerant temperature control

Energy-efficient operation and comfortable environment can be provided to users simultaneously by adopting auto refrigerant temperature control (ART) technology. The evaporating temperature value can be adjusted automatically according to indoor load in a certain range.

Features:

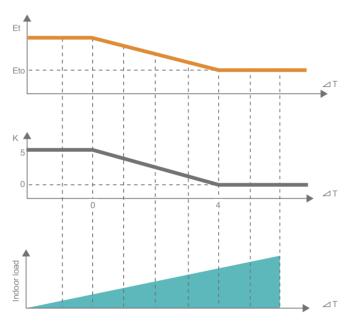
- 1. Energy efficiency is improved without sacrificing comfort.
- 2. ART is particularly efficient under low-load operation.
- 3. The initial evaporation temperature can be adjusted between $2-11^{\circ}$ C, which is the widest in the market.
- 4. Realize rapid cooling with lower evaporating temperature.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

Et=Eto+K

Et: Evaporation temperature

Eto: The initial evaporation temperature

 $\triangle \text{T:}$ The temperature difference between air inlet and the setting temperature



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°C, 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.



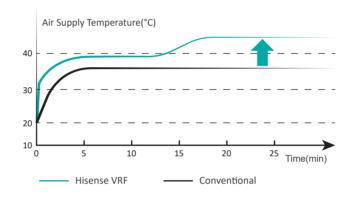


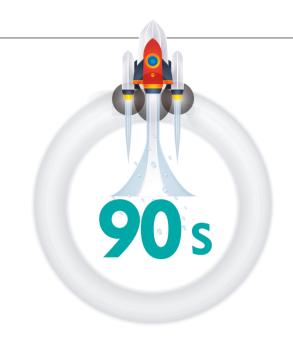
Rapid Start-up

90s

90s Rapid Start-up

To keep comfort as fast as possible in the freezing frosty days, Hisense VRF starts supplying warm air so rapidly with only just 90s reaching a 100% capacity output. Besides, even in the extreme weather condition of -15°C outdoor temperature, Hisense VRF performance is tested with persisting capability to supply 40°C or higher warm air within 7 minutes.

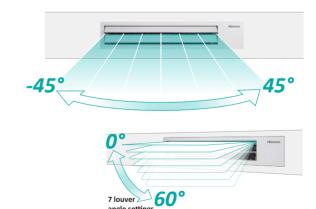


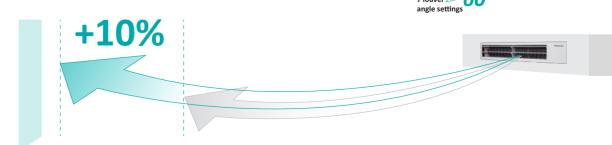


Smart Air Supply

3D air-flow panel

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





Agile Air Supply



Micro-holes and breeze mode

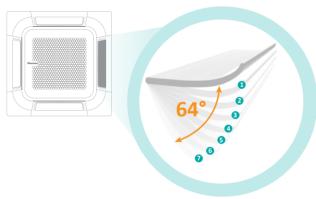
Different regions and country have different preference and personal viewpoint of comfort. Some may prefer cool chilly air from AC unit to cool down the room without wind gushes directly towards their faces or bodies. Hisense VRF's new 4-way Cassettes are now designed with micro-holes on every corners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

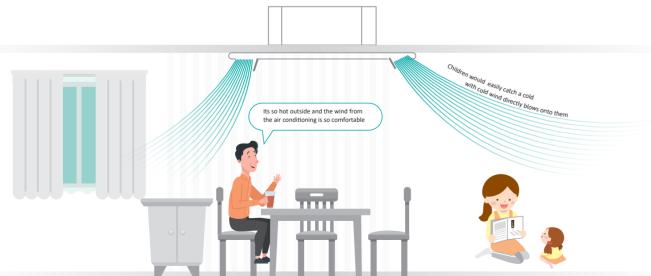




Individual louver control

4-way cassettes louvers are now capable of individual control to freely choose how you want your AC unit supplies air according to different needs, applications and installation layout. Each louvers have 7 angle settings and maximum angle reach at 64°.





Agile Air Supply

Reimagine your solution

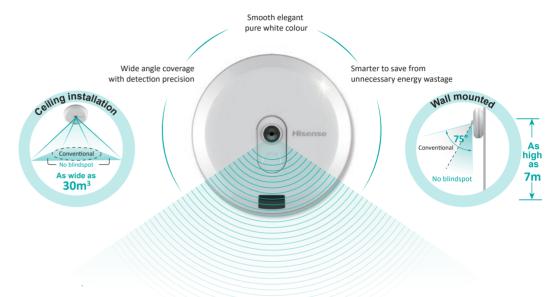


Hi-Motion

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

1)Automatically stops the unit when no one is in the room in order to realize energy saving.

2)Adjusting the setting temperature and air flow according to the actual human activity. Since both wall mounted and ceiling mounted installations are suitable for Hi-motion, which is more convenient for different installation requirement.





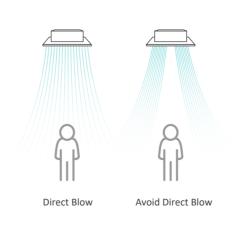
Motion sensor

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

1) With the sensor, indoor unit can ON or OFF automatically when people enter or leave the room.

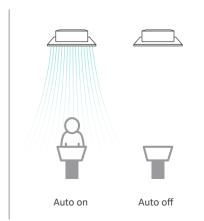
2) The location of people can be detected by sensor. Then the direction of the airflow can be set, to avoid people or blow directly at people.

3) With detect the number of people changes, the setting temperature is automatically changed .







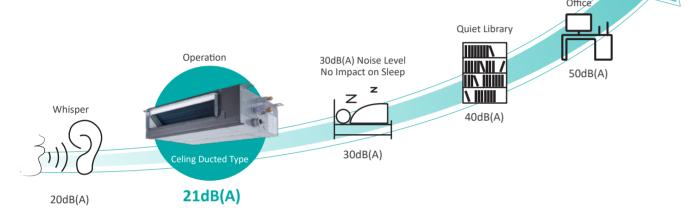


Lower Noise



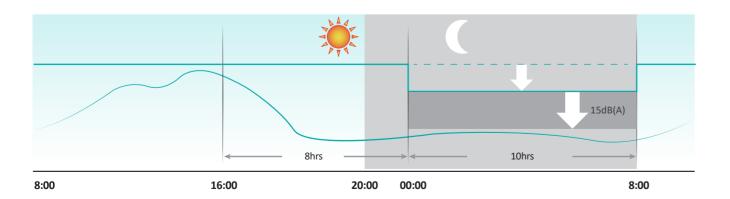
Low noise for indoor units

Noises are often a pain in the neck. Hisense indoor units can provide more quiet environment to users, with sound pressure level as low as 21dB(A), which perfectly blends into library, auditoriums and hospital wards where requires sound levels lower than 25dB(A).





In general, people are more sensitive to noise at night . To provide more quiet environment, Hisense night mode function can be adopted to reduce sound pressure level by up to 15dB.



Clean Fresh Air



Humidity sensor (optional)

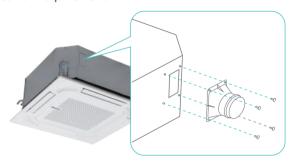
Automatic dehumidification control can be achieved by choosing humidity sensor. The control humidity range is 35%~90%.





Fresh air intake (optional)

Fresh Air Intake is an optional accessories to assist 4-way cassette unit to introduce the fresh air to indoor environment, which is easy and convenient for install when there is a fresh air requirement.





AirPure (optional)

To improve air quality and hygenic air supply, Hisense VRF IDUs* are applicable to AirPure, an negative ionizer using imported Japan nanotechnology. The anion generator accessory has 50% longer life cycle than conventional devices with a minimum of 10,000 hour anion generation time with the lowest noise production. AirPure emits 2 million pcs/cm³, effectively removing odor, airbone virues allergens and bacteria inactivation so much more effective. Negative ions in the air are proven by many studies in improving one's emotion, health and skin condition



4-way Cassette, Mini 4-way Cassette, Low-height ceiling ducted type, Ceiling Ducted type can be equipped with the AirPure (optional).



*Take AVE-09HCFRL as the test sample.







Scan the QR code to view the product

ntroduction video.

Odor Removal



Formaldehyde Removal



PM2.5 Purification



Anti-mold

Anti-allergen

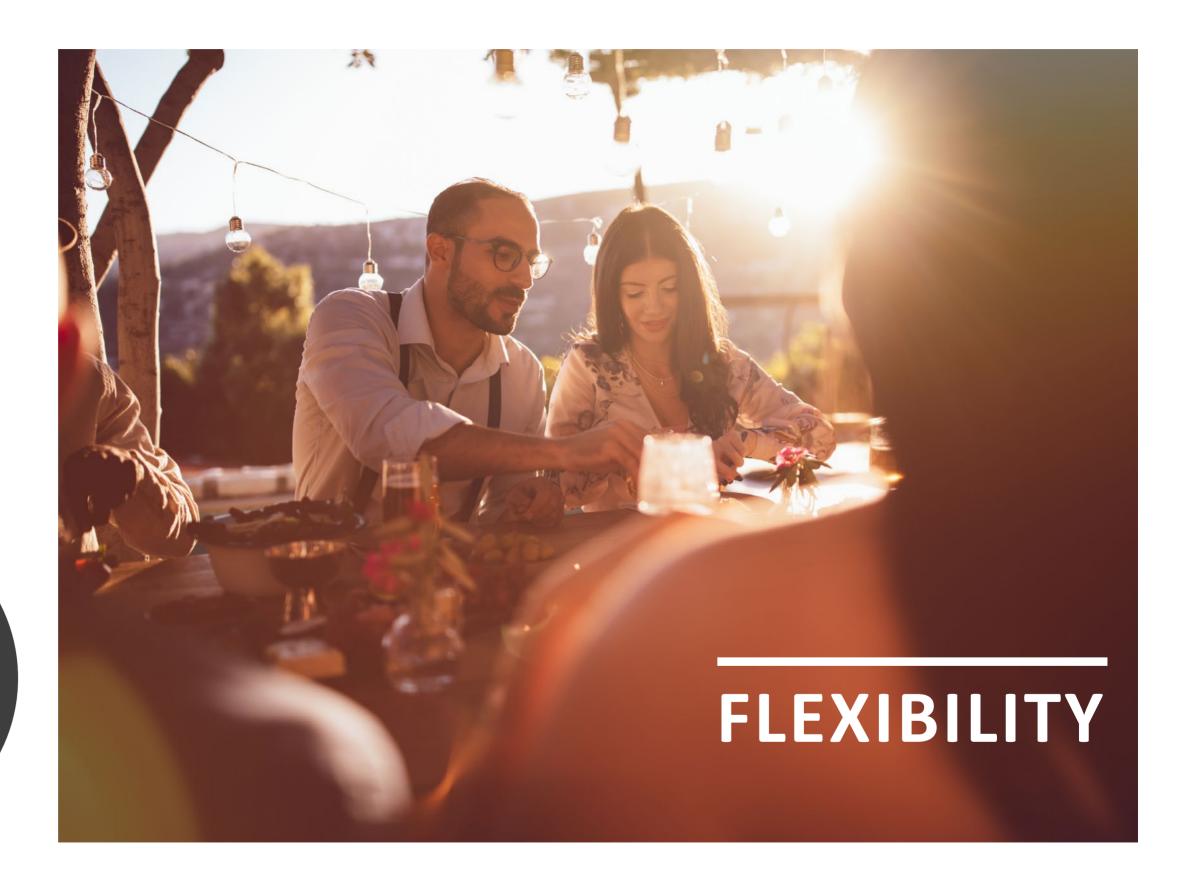
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AIR CONDITIONING SOLUTION

Design Flexibility

Installation Convinience

Service & Maintainance Simplicity



 \sim

Design Flexibility



Indoor unit dry contact interface

In the indoor unit, ports are reserved for wider choice range of applications to turn the AC unit ON or OFF, like key-card power, window contact power and any other third party sensors or devices.

• Fire and smoke alarm:

Outdoor unit automatically turns off when alarm is activated to ensure user's safety.

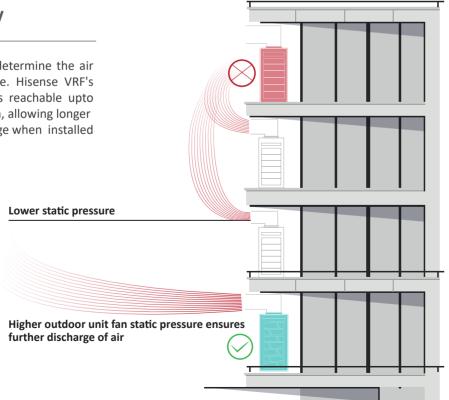




Adaptive fan static pressure technology

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 installed indoors.



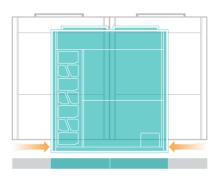


Design Flexibility



Larger capacity, minimizing footprint area

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



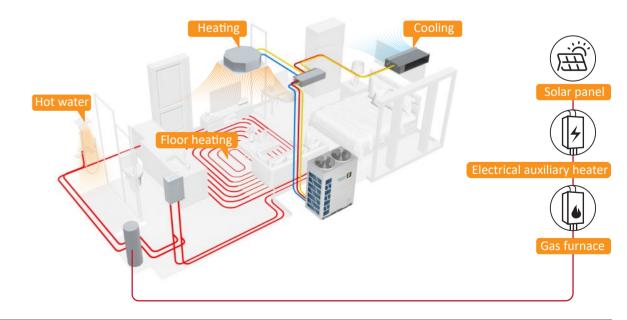




All in one energy solution and application

Hisense VRF Heat recovery series offers an ultimate solution to satisfy heating and cooling through AHU or fan coil units, domestic hot water supply, floor/wall/ceiling cooling and heating simultaneously. The heat recovery system is also compatible with any auxiliary heaters like solar panels, electric

heater and gas boilers to supply additional energy to the system in unfavorable conditions and climates. The heat recovery series is best suited for residential, hotel, gymnasium and spa applications.



Installation Convenience



Compact and light-weight

With compact and light weight structure, the maximum capacity of Hisense VRF ODU can up to 28HP, which can realize more convenient transportion and installation. The size of ODU is suitable to carry for general elevators, so that it can save the cost of transportation and simplify the installation





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 cause various errors. 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 incorrect.

One-touch

Test runs are one of the essential part in testing &

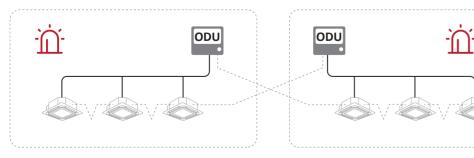
commissioning to make sure the HVAC system in a building

works steadily and safely before hand over or soft

openings. To make test run as simple as possible, Hisense

VRF systems are capable to conduct test runs with just a button away wherever installers are, one-touch test run functions are applicable in both outdoor and indoor units.

test run



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

Installation Convenience

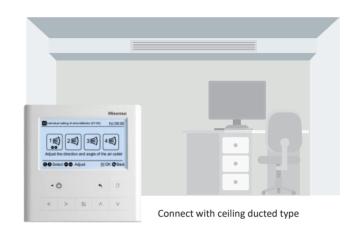


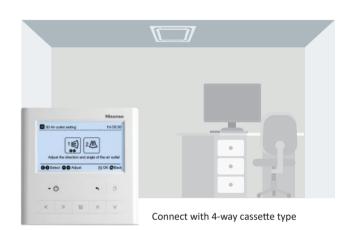
Intelligent matching IDUs

According to the different functions of different indoor units, Hisense controller can intelligently match the indoor units. For example, If air deflector of the IDU can be

controlled independently, the relative button of wired controller will be available. On the contrary, the button will be dim and unavailable.

Reimagine your solution

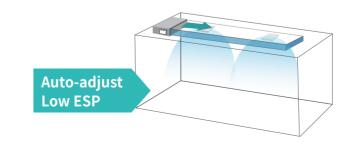


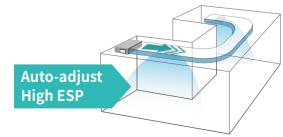


Auto-adjust External Static Pressure

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, between 50Pa and 250Pa.



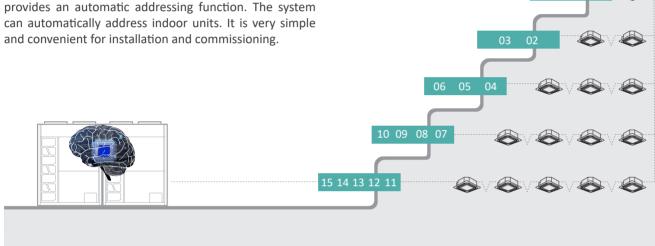


Service & Maintenance Simplicity



Automatically addressing

As the system gets larger, the number of indoor units will increase rapaidly, and the setting of address for IDU will become more and more complicated. Hisense VRF provides an automatic addressing function. The system can automatically address indoor units. It is very simple and convenient for installation and commissioning.





Safe and convenient system management

The new outdoor units are equipped with a service window on top of the electrical box protection panel, to help easily access to parameters check 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 safer and more convenient to operate.



Automatic restart

Hisense VRF is capable to restart automatically whenever there is an involuntary power supply shortage. Customers are free to choose from restoring to it to the state before power failure state or restarting the system completely. Such function comes in handy in equipment rooms whereby are constantly humanless, like genset rooms or server rooms.



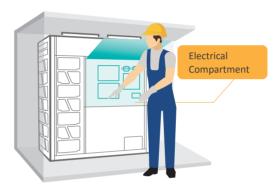
Service & Maintenance Simplicity



Separated mechanical & electrical segments

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.

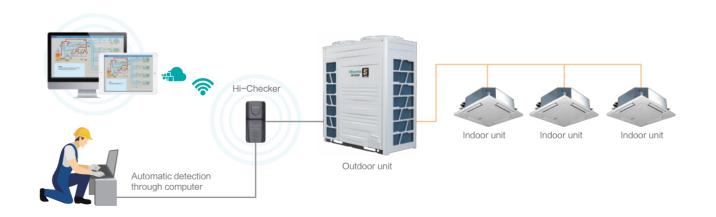






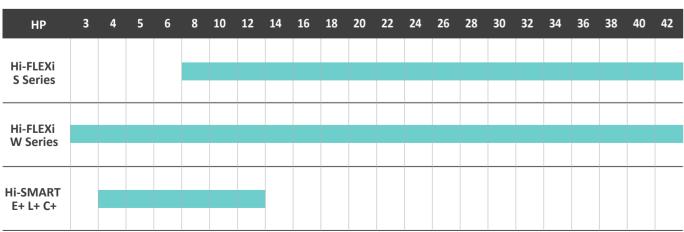
Accurate intelligent system diagnosis

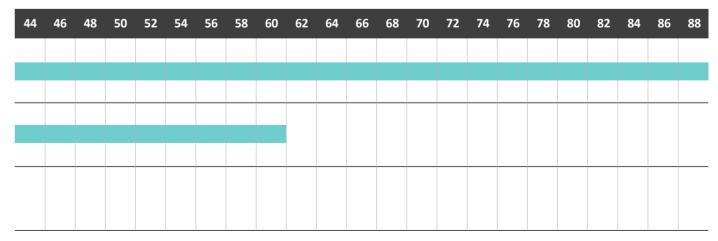
Exclusive Hi–Checker is a super service tool for system diagnosis, which can provides easy access to service parameters. Detail operation status and recent error history can be checked and analyzed by using Hi–Checker. Moreover, remote monitoring and diagnosis will be available soon.



• RELIABILITY • EFFICIENCY • COMFORT • FLEXIBILITY • OUTDOOR UNIT • CONTROL SYSTEM • ACCESSORY AND TOOLS









Hi-FLEXi S Series

The S Series 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.

Excellent design in VRF

Wide operating range, precise temperature control

New generation of vapor injection technology

Hi-FLEXi S Series

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.

Hi-FLEXi S Series

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

Wet Bulb Heating Mode

Note: In heating mode, the temperature range of dry bulb is -25°C to 26°C.

Cooling Mode

temperatures, up to 52°C.

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.



lower ambient temperatures, down to -25°C. In cooling

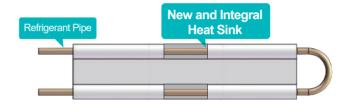
mode, the machine can operate at higher ambient

Dry Bulb

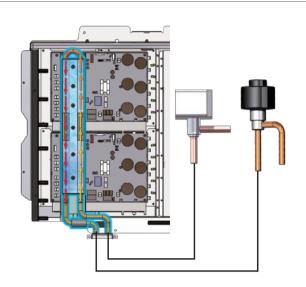
Hi-FLEXi S Series

360° fitted refrigerant cooling technology

With the 360° refrigerant cooling technology, Hi-FLEXi S Series 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.



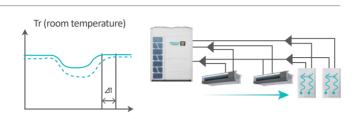
Continuous heating during defrost

In winter, our products can achieve continuous heating by rotational defrost, providing with a more comfortable and warmer indoor environment. System operates as usual The unit that needs to be defrosted It is the turn of another unit to enters the defrosting mode first, defrost, and the other units and other units operate normally. operate normally. Note: Only available for module combinations

Hi-FLEXi S Series

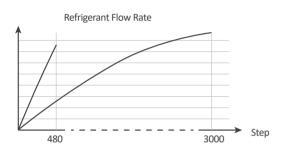
Hydro box defrost

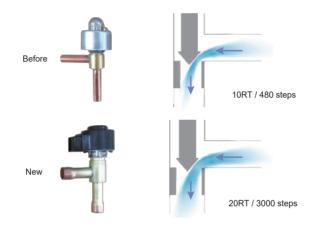
Hi-FLEXi S Series can choose hydro box defrost. There is no doubt that room temperature will be less fluctuation to keep comfort.



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)

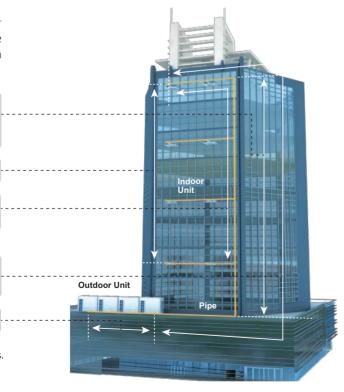
Maximum height difference of indoor units: 30m*(15m)

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 Hisense's technical engineers.



Hi-FLEXi S Series

High match ratio of ODU and IDUs

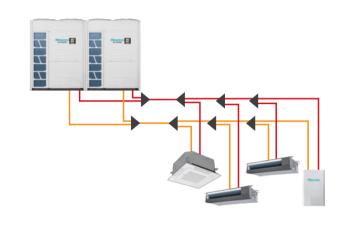
Hi-FLEXi S Series can realize that the match radio of ODU and IDUs is 50%~150%(200%)*

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



Flexible connection to hydro box

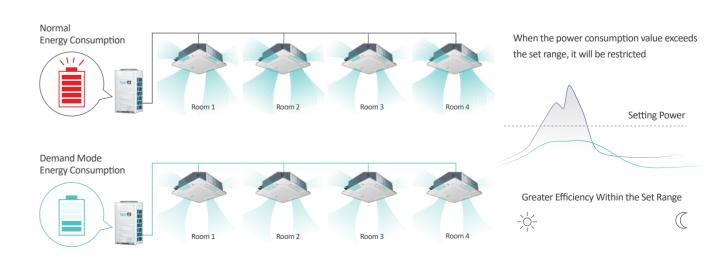
The Hydro Box can be used in both two-pipe and three-pipe systems to provide cold or hot water.

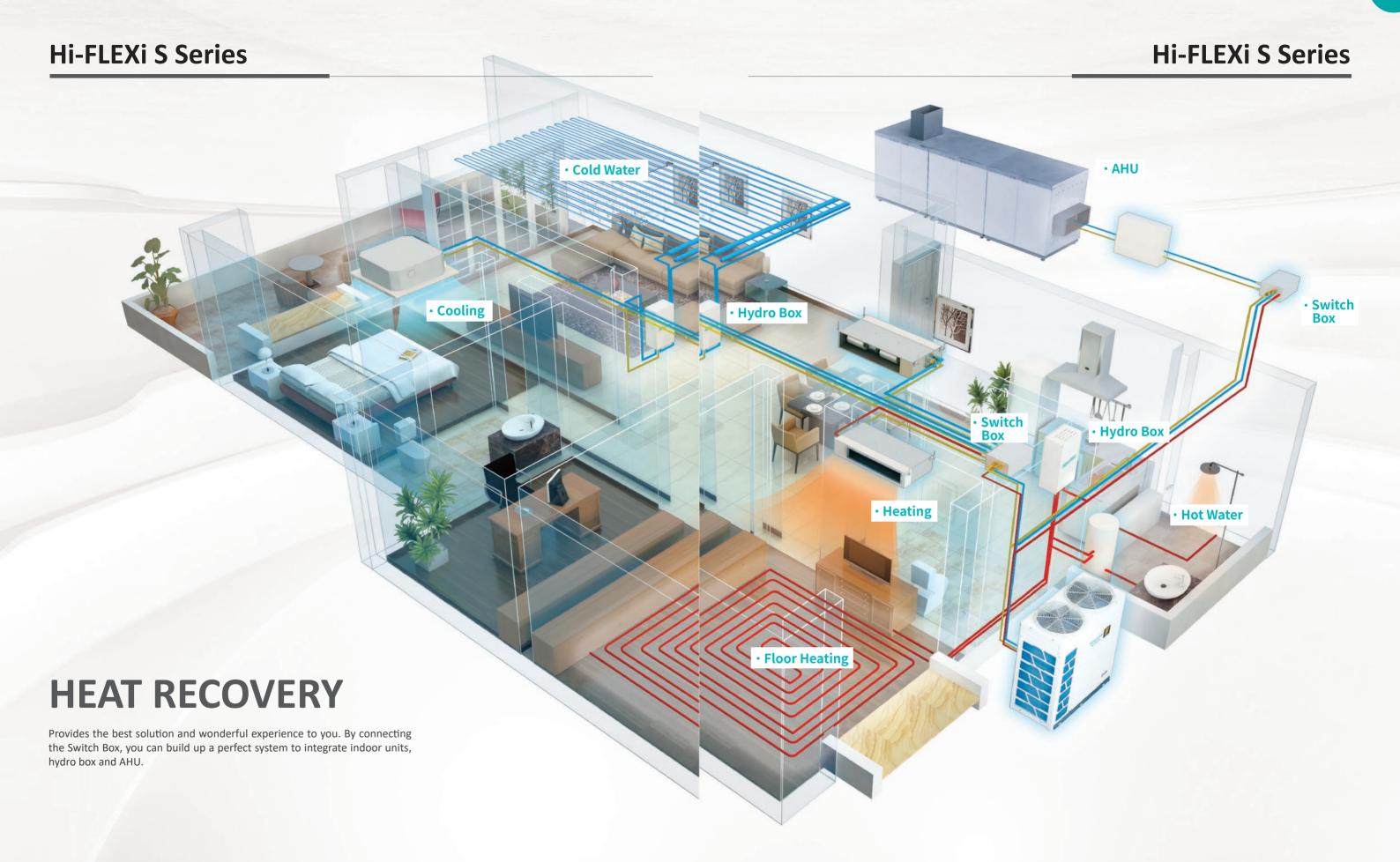


Energy saving mode

The intelligent demand mode can adjust the air conditioning automatically according to peak-valley requirements of electricity. It achieves balance between comfort and

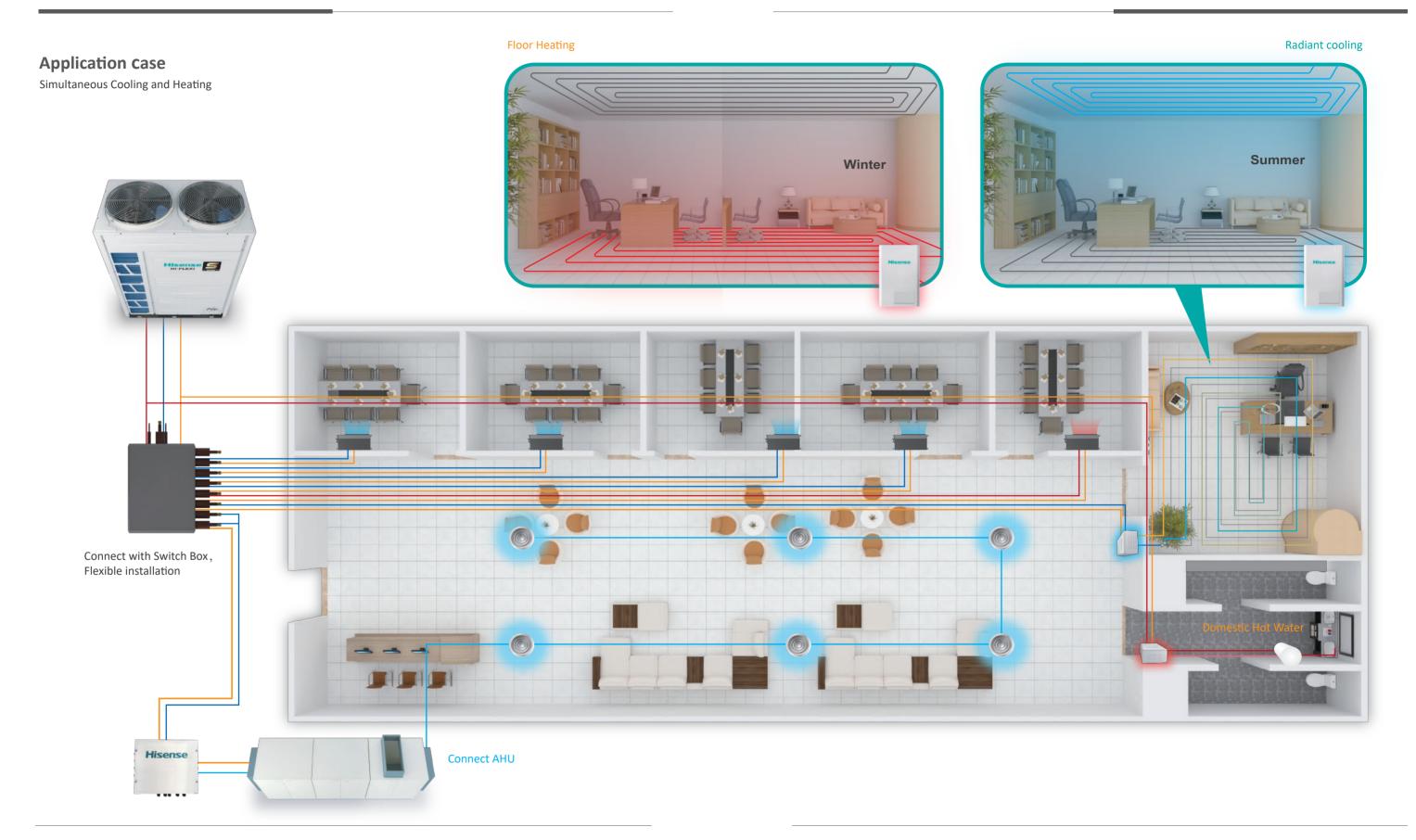
energy-saving while meeting the power demand for daily work.





Hi-FLEXi S Series

Hi-FLEXi S Series



Hi-FLEXi S Series

Hi-FLEXi S Series

Outdoor unit specifications







| | Capacity | | 8HP | 10HP | 12HP | 14HP | 16HP | 18HP |
|--------------------------------|----------------------------|---------|---------------|---------------|----------------|----------------|----------------|----------------|
| | Model | | AVWT-76FKFSHA | AVWT-96FKFSHA | AVWT-114FKFSHA | AVWT-136FKFSHA | AVWT-154FKFSHA | AVWT-170FKFSHA |
| | Combination | | AVWT-76FKFSHA | AVWT-96FKFSHA | AVWT-114FKFSHA | AVWT-136FKFSHA | AVWT-154FKFSHA | AVWT-170FKFSHA |
| | Power Supply | | | | AC 3Ф,380-4 | 15V/50/60Hz | | |
| | | kW | 22.4 | 28.0 | 33.5 | 40.0 | 45.0 | 50.0 |
| | Nominal Capacity | kBtu/h | 76.4 | 95.5 | 114.3 | 136.5 | 153.5 | 170.6 |
| Cooling Operation | Power Consumption | kW | 4.77 | 6.67 | 7.25 | 8.70 | 11.22 | 12.69 |
| | EER | kW/kW | 4.70 | 4.20 | 4.62 | 4.60 | 4.01 | 3.94 |
| | 0 " " | kW | 25.0 / 22.4 | 31.5 / 28.0 | 37.5 / 33.5 | 45.0 / 40.0 | 50.0 / 45.0 | 56.0 / 50.0 |
| Heating Operation | Capacity (Max/Nom) | kBtu/h | 85.3 / 76.4 | 107.5 / 95.5 | 128.0 / 114.3 | 153.5 / 136.5 | 170.6 / 153.5 | 191.1 / 170.6 |
| Heating Operation | Power Consumption | kW | 4.88 / 4.06 | 6.29 / 5.18 | 7.50 / 6.20 | 9.55 / 8.16 | 11.88 / 10.23 | 13.97 / 11.88 |
| | COP | kW | 5.12 / 5.52 | 5.01 / 5.41 | 5.00 / 5.40 | 4.71 / 4.90 | 4.21 / 4.40 | 4.01 / 4.21 |
| Sound | Pressure Level | dB(A) | 59 | 60 | 62 | 62 | 62 | 62 |
| | Height | mm | 1730 | 1730 | 1730 | 1730 | 1730 | 1730 |
| Outer Dimensions | Width | mm | 950 | 950 | 1210 | 1210 | 1350 | 1350 |
| Diffictisions | Depth | mm | 750 | 750 | 750 | 750 | 750 | 750 |
| | Height | mm | 1930 | 1930 | 1930 | 1930 | 1930 | 1930 |
| Packing Dimensions | Width | mm | 1015 | 1015 | 1275 | 1275 | 1420 | 1420 |
| Diffictisions | Depth | mm | 790 | 790 | 790 | 790 | 790 | 790 |
| Ca | abinet Color | - | | | Ivory | White | | |
| N | let Weight | kg | 246 | 247 | 290 | 349 | 369 | 377 |
| Gr | oss Weight | kg | 266 | 267 | 312 | 371 | 393 | 401 |
| Air | Flow Rate | m³/min | 183 | 183 | 200 | 200 | 267 | 296 |
| Refrigerant ch | narge before shipment | kg | 6.00 | 6.00 | 8.80 | 9.20 | 9.80 | 10.60 |
| Comp | ressor Quantity | - | 1 | 1 | 1 | 2 | 2 | 2 |
| Conden | ser Fan Quantity | - | 1 | 1 | 2 | 2 | 2 | 2 |
| = | Low Pressure Gas Line | mm(in.) | Ф19.05 (3/4) | Ф22.20 (7/8) | Ф25.40 (1) | Ф25.40 (1) | Ф28.60 (1-1/8) | Ф28.60 (1-1/8) |
| Heat Recovery Operation System | High/Low Pressure Gas Line | mm(in.) | Ф15.88 (5/8) | Ф19.05 (3/4) | Ф22.2 (7/8) | Ф22.2 (7/8) | Ф22.2 (7/8) | Ф22.2 (7/8) |
| , | Liquid Line | mm(in.) | Ф9.53 (3/8) | Ф9.53 (3/8) | Ф12.70 (1/2) | Ф12.70 (1/2) | Ф12.70 (1/2) | Ф15.88 (5/8) |
| Heat Pump | Gas Line | mm(in.) | Ф19.05 (3/4) | Ф22.20 (7/8) | Ф25.40 (1) | Ф25.40 (1) | Ф28.60 (1-1/8) | Ф28.60 (1-1/8) |
| Operation System | Liquid Line | mm(in.) | Ф9.53 (3/8) | Ф9.53 (3/8) | Ф12.70 (1/2) | Ф12.70 (1/2) | Ф12.70 (1/2) | Ф15.88 (5/8) |
| Operation Range | Cooling | °C DB | | | -10 | ~52 | | |
| Operation Mange | Heating | °C WB | | | -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 C DB 19 C WB, Outdoor air inlet temperature: 35 C DB, pipe length: 7.5m, pipe height difference: 0m Heating conditions: indoor air inlet temperature: 20 C DB, Outdoor air inlet temperature: 7 C DB 6 C WB, pipe length: 7.5m, pipe height difference: 0m 2.The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.

 3.The final appearance of outdoor units is subject to the actual products.





| | Capacity | | 20HP | 22HP | 24HP | 26HP | 28HP |
|--------------------------------|----------------------------|---------|----------------|----------------|----------------------------------|----------------------------------|----------------------------------|
| | Model | | AVWT-190FKFSHA | AVWT-212FKFSHA | AVWT-228FKFSHA | AVWT-250FKFSHA | AVWT-272FKFSHA |
| | Combination | | AVWT-190FKFSHA | AVWT-212FKFSHA | AVWT-114FKFSHA AVWT-114FKFSHA | AVWT-114FKFSHA AVWT-136FKFSHA | AVWT-136FKFSHA AVWT-136FKFSHA |
| | Power Supply | | | Д | AC 3Ф,380-415V/50/60H | Z | |
| | Naminal Canacity | kW | 56.0 | 61.5 | 67.0 | 73.5 | 80.0 |
| 01:0 | Nominal Capacity | kBtu/h | 191.1 | 209.8 | 228.6 | 250.8 | 273.0 |
| Cooling Operation | Power Consumption | kW | 14.36 | 16.62 | 14.50 | 15.95 | 17.39 |
| | EER | kW/kW | 3.90 | 3.70 | 4.62 | 4.61 | 4.60 |
| | Capacity (Max/Nom) | kW | 63.0 / 56.0 | 69.0 / 61.5 | 75.0 / 67.0 | 82.5 / 73.5 | 90.0 / 80.0 |
| Heating Operation | Capacity (Max/Nom) | kBtu/h | 215.0 / 191.1 | 235.4 / 209.8 | 255.9 / 228.6 | 281.5 / 250.8 | 307.1 / 273.0 |
| leading Operation | Power Consumption | kW | 15.75 / 13.40 | 18.11 / 15.73 | 15.00 / 12.41 | 17.04 / 14.33 | 19.11 / 16.33 |
| | COP | kW | 4.00 / 4.18 | 3.81 / 3.91 | 5.00 / 5.40 | 4.84 / 5.13 | 4.71 / 4.90 |
| Sound Pressure Level dB(A) | | dB(A) | 63 | 64 | 65 | 65 | 65 |
| | Height | mm | 1730 | 1730 | 1730 | 1730 | 1730 |
| Outer Dimensions | Width | mm | 1600 | 1600 | 1210+1210 | 1210+1210 | 1210+1210 |
| Difficiations | Depth | mm | 750 | 750 | 750 | 750 | 750 |
| | Height | mm | 1930 | 1930 | 1930 | 1930 | 1930 |
| Packing Dimensions | Width | mm | 1665 | 1665 | 1275+1275 | 1275+1275 | 1275+1275 |
| Difficitsions | Depth | mm | 790 | 790 | 790 | 790 | 790 |
| Ca | binet Color | - | | | Ivory White | | |
| N | let Weight | kg | 400 | 401 | 290+290 | 290+349 | 349+349 |
| Gr | oss Weight | kg | 426 | 427 | 312+312 | 312+371 | 371+371 |
| Air | Flow Rate | m³/min | 350 | 350 | 400 | 400 | 400 |
| Refrigerant ch | narge before shipment | kg | 11.50 | 11.50 | 8.80+8.80 | 8.80+9.20 | 9.20+9.20 |
| Compi | ressor Quantity | - | 2 | 2 | 2 | 3 | 4 |
| Conden | ser Fan Quantity | - | 2 | 2 | 4 | 4 | 4 |
| | Low Pressure Gas Line | mm(in.) | Ф28.60 (1-1/8) | Ф28.60 (1-1/8) | Ф28.60 (1-1/8) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) |
| Heat Recovery Operation System | High/Low Pressure Gas Line | mm(in.) | Ф22.2 (7/8) | Ф25.4 (1) | Ф25.4 (1) | Ф25.4 (1) | Ф28.6 (1-1/8) |
| | Liquid Line | mm(in.) | Ф15.88 (5/8) | Ф15.88 (5/8) | Ф15.88 (5/8) | Ф19.05 (3/4) | Ф19.05 (3/4) |
| Heat Pump | Gas Line | mm(in.) | Ф28.60 (1-1/8) | Ф28.60 (1-1/8) | Ф28.60 (1-1/8) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) |
| Operation System | Liquid Line | mm(in.) | Ф15.88 (5/8) | Ф15.88 (5/8) | Ф15.88 (5/8) | Ф19.05 (3/4) | Ф19.05 (3/4) |
| Operation Pensa | Cooling | °C DB | | | -10~52 | | |
| Operation Range | Heating | °C WB | | | -25~16.5 | | |

- 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:

 Cooling conditions: indoor air inlet temperature: 27 C DB 19 C WB, Outdoor air inlet temperature: 35 C DB, pipe length: 7.5m, pipe height difference: 0m Heating conditions: indoor air inlet temperature: 20 C DB, Outdoor air inlet temperature: 7 C DB 6 C WB, pipe length: 7.5m, pipe height difference: 0m 2.The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.

 3.The final appearance of outdoor units is subject to the actual products.

Hi-FLEXi S Series

Hi-FLEXi S Series

Outdoor unit specifications







| | Capacity | | 30HP | 32HP | 34HP | 36HP | 38HP |
|-----------------------------------|----------------------------|---------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| | Model | | AVWT-290FKFSHA | AVWT-308FKFSHA | AVWT-324FKFSHA | AVWT-340FKFSHA | AVWT-360FKFSHA |
| | Combination | | AVWT-136FKFSHA AVWT-154FKFSHA | AVWT-154FKFSHA AVWT-154FKFSHA | AVWT-154FKFSHA AVWT-170FKFSHA | AVWT-170FKFSHA AVWT-170FKFSHA | AVWT-170FKFSHA AVWT-190FKFSHA |
| | Power Supply | | | A | AC 3Ф,380-415V/50/60H | Z | |
| | | kW | 85.0 | 90.0 | 95.0 | 100.0 | 106.0 |
| | Nominal Capacity | kBtu/h | 290.0 | 307.1 | 324.1 | 341.2 | 361.7 |
| Cooling Operation | Power Consumption | kW | 19.83 | 22.44 | 23.91 | 25.38 | 27.05 |
| | EER | kW/kW | 4.29 | 4.01 | 3.97 | 3.94 | 3.92 |
| | Consoits (44 A) | kW | 95.0 / 85.0 | 100.0 / 90.0 | 106.0 / 95.0 | 112.0 / 100.0 | 119.0 / 106.0 |
| Heating Operation | Capacity (Max/Nom) | kBtu/h | 324.1 / 290.0 | 341.2 / 307.1 | 361.7 / 324.1 | 382.1 / 341.2 | 406.0 / 361.7 |
| | Power Consumption | kW | 21.37 / 18.34 | 23.75 / 20.45 | 25.82 / 22.09 | 27.93 / 23.75 | 29.71 / 25.27 |
| | COP | kW | 4.44 / 4.63 | 4.21 / 4.40 | 4.11 / 4.30 | 4.01 / 4.21 | 4.00 / 4.19 |
| Sound | Pressure Level | dB(A) | 65 | 65 | 65 | 65 | 66 |
| | Height | mm | 1730 | 1730 | 1730 | 1730 | 1730 |
| Outer Dimensions | Width | mm | 1210+1350 | 1350+1350 | 1350+1350 | 1350+1350 | 1350+1600 |
| Diricisions | Depth | mm | 750 | 750 | 750 | 750 | 750 |
| | Height | mm | 1930 | 1930 | 1930 | 1930 | 1930 |
| Packing Dimensions | Width | mm | 1275+1420 | 1420+1420 | 1420+1420 | 1420+1420 | 1420+1665 |
| Diricisions | Depth | mm | 790 | 790 | 790 | 790 | 790 |
| Ca | binet Color | - | | | Ivory White | | |
| N | et Weight | kg | 349+369 | 369+369 | 369+377 | 377+377 | 377+400 |
| Gre | oss Weight | kg | 371+393 | 393+393 | 393+401 | 401+401 | 401+426 |
| Air | Flow Rate | m³/min | 467 | 534 | 563 | 592 | 646 |
| Refrigerant ch | narge before shipment | kg | 9.20+9.80 | 9.80+9.80 | 9.80+10.60 | 10.60+10.60 | 10.60+11.50 |
| Compr | essor Quantity | - | 4 | 4 | 4 | 4 | 4 |
| Condens | ser Fan Quantity | - | 4 | 4 | 4 | 4 | 4 |
| | Low Pressure Gas Line | mm(in.) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) |
| Heat Recovery Operation System | High/Low Pressure Gas Line | mm(in.) | Ф28.6 (1-1/8) | Ф28.6 (1-1/8) | Ф28.6 (1-1/8) | Ф28.6 (1-1/8) | Ф31.75 (1-1/4) |
| | Liquid Line | mm(in.) | Ф19.05 (3/4) |
| Heat Pump | Gas Line | mm(in.) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) |
| Operation System | Liquid Line | mm(in.) | Ф19.05 (3/4) |
| Operation Range | Cooling | °C DB | | | -10~52 | | |
| | Heating | °C WB | | | -25~16.5 | | |

Notes:







| | Capacity | | 40HP | 42HP | 44HP | 46HP | 48HP |
|-----------------------------------|----------------------------|---------|----------------------------------|----------------------------------|----------------------------------|--|--|
| | Model | | AVWT-380FKFSHA | AVWT-402FKFSHA | AVWT-424FKFSHA | AVWT-444FKFSHA | AVWT-462FKFSHA |
| | Combination | | AVWT-190FKFSHA AVWT-190FKFSHA | AVWT-190FKFSHA AVWT-212FKFSHA | AVWT-212FKFSHA AVWT-212FKFSHA | AVWT-136FKFSHA AVWT-154FKFSHA AVWT-154FKFSHA | AVWT-154FKFSHA AVWT-154FKFSHA AVWT-154FKFSHA |
| | Power Supply | | | - | AC 3Ф,380-415V/50/60H | łz | |
| | Nominal Capacity | kW | 112.0 | 117.5 | 123.0 | 130.0 | 135.0 |
| Cooling Operation | Norminal Capacity | kBtu/h | 382.1 | 400.9 | 419.7 | 443.6 | 460.6 |
| Cooling Operation | Power Consumption | kW | 28.72 | 30.97 | 33.24 | 31.02 | 33.67 |
| | EER | kW/kW | 3.90 | 3.79 | 3.70 | 4.19 | 4.01 |
| | Capacity (Max/Nom) | kW | 126.0 / 112.0 | 132.0 / 117.5 | 138.0 / 123.0 | 145.0 / 130.0 | 150.0 / 135.0 |
| Heating Operation | Capacity (Max/Nom) | kBtu/h | 429.9 / 382.1 | 450.4 / 400.9 | 470.9 / 419.7 | 494.7 / 443.6 | 511.8 / 460.6 |
| | Power Consumption | kW | 31.50 / 26.79 | 33.85 / 29.10 | 36.22 / 31.46 | 33.23 / 28.55 | 35.63 / 30.68 |
| | COP | kW | 4.00 / 4.18 | 3.90 / 4.04 | 3.81 / 3.91 | 4.36 / 4.55 | 4.21 / 4.40 |
| Sound Pressure Level dB(A) | | dB(A) | 66 | 67 | 67 | 67 | 67 |
| | Height | mm | 1730 | 1730 | 1730 | 1730 | 1730 |
| Outer Dimensions | Width | mm | 1600+1600 | 1600+1600 | 1600+1600 | 1210+1350+1350 | 1350+1350+1350 |
| Dimensions | Depth | mm | 750 | 750 | 750 | 750 | 750 |
| | Height | mm | 1930 | 1930 | 1930 | 1930 | 1930 |
| Packing Dimensions | Width | mm | 1665+1665 | 1665+1665 | 1665+1665 | 1275+1420+1420 | 1420+1420+1420 |
| Diffictisions | Depth | mm | 790 | 790 | 790 | 790 | 790 |
| Ca | binet Color | - | | | Ivory White | | |
| N | let Weight | kg | 400+400 | 400+401 | 401+401 | 349+369+369 | 369+369+369 |
| Gr | oss Weight | kg | 426+426 | 426+427 | 427+427 | 371+393+393 | 393+393+393 |
| Air | Flow Rate | m³/min | 700 | 700 | 700 | 734 | 801 |
| Refrigerant ch | narge before shipment | kg | 11.50+11.50 | 11.50+11.50 | 11.50+11.50 | 9.20+9.80+9.80 | 9.80+9.80+9.80 |
| Compi | ressor Quantity | - | 4 | 4 | 4 | 6 | 6 |
| Conden | ser Fan Quantity | - | 4 | 4 | 4 | 6 | 6 |
| | Low Pressure Gas Line | mm(in.) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) |
| Heat Recovery Operation System | High/Low Pressure Gas Line | mm(in.) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) |
| oporation dystern | Liquid Line | mm(in.) | Ф19.05 (3/4) | Ф19.05 (3/4) | Ф19.05 (3/4) | Ф19.05 (3/4) | Ф19.05 (3/4) |
| Heat Pump | Gas Line | mm(in.) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) |
| Operation System | Liquid Line | mm(in.) | Ф19.05 (3/4) | Ф19.05 (3/4) | Ф19.05 (3/4) | Ф19.05 (3/4) | Ф19.05 (3/4) |
| Operation Design | Cooling | °C DB | | | -10~52 | | |
| Operation Range | Heating | °C WB | | | -25~16.5 | | |

^{1.} Rated cooling capacity and rated heating capacity are tested in the following conditions:

Cooling conditions: indoor air inlet temperature: 27 C DB 19 C WB, Outdoor air inlet temperature: 35 C DB, pipe length: 7.5m, pipe height difference: 0m Heating conditions: indoor air inlet temperature: 20 C DB, Outdoor air inlet temperature: 7 C DB 6 C WB, pipe length: 7.5m, pipe height difference: 0m

^{2.} The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.

3. The final appearance of outdoor units is subject to the actual products.

^{1.} Rated cooling capacity and rated heating capacity are tested in the following conditions:

Cooling conditions: indoor air inlet temperature: 27 °C DB 19 °C WB, Outdoor air inlet temperature: 35 °C DB, pipe length: 7.5m, pipe height difference: 0m Heating conditions: indoor air inlet temperature: 20 °C DB, Outdoor air inlet temperature: 7 °C DB 6 °C WB, pipe length: 7.5m, pipe height difference: 0m

^{2.} The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene. 3. The final appearance of outdoor units is subject to the actual products.

Hi-FLEXi S Series

Hi-FLEXi S Series

Outdoor unit specifications





| | Capacity | | 50HP | 52HP | 54HP | 56HP |
|---|----------------------------|---------|--|--|--|--|
| | Model | | AVWT-478FKFSHA | AVWT-494FKFSHA | AVWT-510FKFSHA | AVWT-530FKFSHA |
| | Combination | | AVWT-154FKFSHA AVWT-154FKFSHA AVWT-170FKFSHA | AVWT-154FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA | AVWT-170FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA | AVWT-170FKFSHA AVWT-170FKFSHA AVWT-190FKFSHA |
| | Power Supply | | | AC 3Ф,380-4 | 115V/50/60Hz | |
| | | kW | 140.0 | 145.0 | 150.0 | 156.0 |
| | Nominal Capacity | kBtu/h | 477.7 | 494.7 | 511.8 | 532.3 |
| Cooling Operation | Power Consumption | kW | 35.13 | 36.60 | 38.07 | 39.74 |
| | EER | kW/kW | 3.99 | 3.96 | 3.94 | 3.93 |
| | 0 | kW | 156.0 / 140.0 | 162.0 / 145.0 | 168.0 / 150.0 | 175.0 / 156.0 |
| Heating Operation | Capacity (Max/Nom) | kBtu/h | 532.3 / 477.7 | 552.7 / 494.7 | 573.2 / 511.8 | 597.1 / 532.3 |
| Heating Operation | Power Consumption | kW | 37.69 / 32.31 | 39.78 / 33.96 | 41.90 / 35.63 | 43.68 / 37.15 |
| | COP | kW | 4.14 / 4.33 | 4.07 / 4.27 | 4.01 / 4.21 | 4.01 / 4.20 |
| Sound | Pressure Level | dB(A) | 67 | 67 | 67 | 67 |
| | Height | mm | 1730 | 1730 | 1730 | 1730 |
| Outer Dimensions | Width | mm | 1350+1350+1350 | 1350+1350+1350 | 1350+1350+1350 | 1350+1350+1600 |
| Difficiations | Depth | mm | 750 | 750 | 750 | 750 |
| | Height | mm | 1930 | 1930 | 1930 | 1930 |
| Packing Dimensions | Width | mm | 1420+1420+1420 | 1420+1420+1420 | 1420+1420+1420 | 1420+1420+1665 |
| Dimensions | Depth | mm | 790 | 790 | 790 | 790 |
| Ca | abinet Color | - | | Ivory | White | |
| N | let Weight | kg | 369+369+377 | 369+377+377 | 377+377+377 | 377+377+400 |
| Gr | ross Weight | kg | 393+393+401 | 393+401+401 | 401+401+401 | 401+401+426 |
| Ai | r Flow Rate | m³/min | 830 | 859 | 888 | 942 |
| Refrigerant cl | harge before shipment | kg | 9.80+9.80+10.60 | 9.80+10.60+10.60 | 10.60+10.60+10.60 | 10.60+10.60+11.50 |
| Comp | ressor Quantity | - | 6 | 6 | 6 | 6 |
| Conden | ser Fan Quantity | - | 6 | 6 | 6 | 6 |
| | Low Pressure Gas Line | mm(in.) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) | Ф41.3 (1-5/8) |
| Heat Recovery Operation System | High/Low Pressure Gas Line | mm(in.) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) | Ф31.75 (1-1/4) | Ф38.1 (1-1/2) |
| , | Liquid Line | mm(in.) | Ф19.05 (3/4) | Ф19.05 (3/4) | Ф19.05 (3/4) | Ф22.2 (7/8) |
| Heat Pump | Gas Line | mm(in.) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) | Ф38.1 (1-1/2) | Ф41.3 (1-5/8) |
| Operation System | Liquid Line | mm(in.) | Ф19.05 (3/4) | Ф19.05 (3/4) | Ф19.05 (3/4) | Ф22.2 (7/8) |
| Operation Range | Cooling | °C DB | | -10 | ~52 | |
| Operation Range | Heating | °C WB | | -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 C DB 19 C WB, Outdoor air inlet temperature: 35 C DB, pipe length: 7.5m, pipe height difference: 0m Heating conditions: indoor air inlet temperature: 20 C DB, Outdoor air inlet temperature: 7 C DB 6 C WB, pipe length: 7.5m, pipe height difference: 0m

2.The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.

3.The final appearance of outdoor units is subject to the actual products.





| | Capacity | | 58HP | 60HP | 62HP | 64HP |
|---|----------------------------|---------|--|--|--|--|
| | Model | | AVWT-550FKFSHA | AVWT-570FKFSHA | AVWT-592FKFSHA | AVWT-614FKFSHA |
| | Combination | | AVWT-170FKFSHA AVWT-190FKFSHA AVWT-190FKFSHA | AVWT-190FKFSHA AVWT-190FKFSHA AVWT-190FKFSHA | AVWT-190FKFSHA AVWT-190FKFSHA AVWT-212FKFSHA | AVWT-190FKFSHA AVWT-212FKFSHA AVWT-212FKFSHA |
| | Power Supply | | | AC 3Ф.380-4 | 115V/50/60Hz | |
| | , | kW | 162.0 | 168.0 | 173.5 | 179.0 |
| | Nominal Capacity | kBtu/h | 552.7 | 573.2 | 592.0 | 610.7 |
| Cooling Operation | Power Consumption | kW | 41.41 | 43.08 | 45.32 | 47.58 |
| | EER | kW/kW | 3.91 | 3.90 | 3.83 | 3.76 |
| | 0 " | kW | 182.0 / 162.0 | 189.0 / 168.0 | 195.0 / 173.5 | 201.0 / 179.0 |
| Heating Operation | Capacity (Max/Nom) | kBtu/h | 621.0 / 552.7 | 644.9 / 573.2 | 665.3 / 592.0 | 685.8 / 610.7 |
| reating Operation | Power Consumption | kW | 45.46 / 38.67 | 47.25 / 40.19 | 49.59 / 42.49 | 51.95 / 44.82 |
| | COP | kW | 4.00 / 4.19 | 4.00 / 4.18 | 3.93 / 4.08 | 3.87 / 3.99 |
| Sound | Pressure Level | dB(A) | 67 | 68 | 68 | 68 |
| | Height | mm | 1730 | 1730 | 1730 | 1730 |
| Outer Dimensions | Width | mm | 1350+1600+1600 | 1600+1600+1600 | 1600+1600+1600 | 1600+1600+1600 |
| Dimensions | Depth | mm | 750 | 750 | 750 | 750 |
| | Height | mm | 1930 | 1930 | 1930 | 1930 |
| Packing Dimensions | Width | mm | 1420+1665+1665 | 1665+1665+1665 | 1665+1665+1665 | 1665+1665+1665 |
| Diffictions | Depth | mm | 790 | 790 | 790 | 790 |
| Ca | binet Color | - | | lvory | White | |
| N | et Weight | kg | 377+400+400 | 400+400+400 | 400+400+401 | 400+401+401 |
| Gr | oss Weight | kg | 401+426+426 | 426+426+426 | 426+426+427 | 426+427+427 |
| Air | Flow Rate | m³/min | 996 | 1050 | 1050 | 1050 |
| Refrigerant ch | narge before shipment | kg | 10.60+11.50+11.50 | 11.50+11.50+11.50 | 11.50+11.50+11.50 | 11.50+11.50+11.50 |
| Compi | ressor Quantity | - | 6 | 6 | 6 | 6 |
| Conden | ser Fan Quantity | - | 6 | 6 | 6 | 6 |
| | Low Pressure Gas Line | mm(in.) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) |
| Heat Recovery Operation System | High/Low Pressure Gas Line | mm(in.) | Ф41.3 (1-5/8) | Ф41.3 (1-5/8) | Ф41.3 (1-5/8) | Ф41.3 (1-5/8) |
| , | Liquid Line | mm(in.) | Ф22.2 (7/8) | Ф22.2 (7/8) | Ф22.2 (7/8) | Ф22.2 (7/8) |
| Heat Pump | Gas Line | mm(in.) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) |
| Operation System | Liquid Line | mm(in.) | Ф22.2 (7/8) | Ф22.2 (7/8) | Ф22.2 (7/8) | Ф22.2 (7/8) |
| Operation Range | Cooling | °C DB | | -10 |)~52 | |
| opolation range | Heating | °C WB | | -25~ | -16.5 | |

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:

Cooling conditions: indoor air inlet temperature: 27 C DB 19 C WB, Outdoor air inlet temperature: 35 C DB, pipe length: 7.5m, pipe height difference: 0m Heating conditions: indoor air inlet temperature: 20 C DB, Outdoor air inlet temperature: 7 C DB 6 C WB, pipe length: 7.5m, pipe height difference: 0m

2.The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene. 3.The final appearance of outdoor units is subject to the actual products.

Hi-FLEXi S Series

Hi-FLEXi S Series

Outdoor unit specifications



| | Capacity | | 66HP | 68HP | 70HP |
|-------------------------------|----------------------------|---------|--|--|--|
| | Model | | AVWT-636FKFSHA | AVWT-648FKFSHA | AVWT-664FKFSHA |
| | Combination | | AVWT-212FKFSHA AVWT-212FKFSHA AVWT-212FKFSHA | AVWT-154FKFSHA AVWT-154FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA | AVWT-154FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA AVWT-170FKFSHA |
| | Power Supply | | | AC 3Ф,380-415V/50/60Hz | |
| | | kW | 184.5 | 190.0 | 195.0 |
| | Nominal Capacity | kBtu/h | 629.5 | 648.3 | 665.3 |
| Cooling Operation | Power Consumption | kW | 49.86 | 47.82 | 49.29 |
| | EER | kW/kW | 3.70 | 3.97 | 3.96 |
| | Congoity (Mary Mary | kW | 207.0 / 184.5 | 212.0 / 190.0 | 218.0 / 195.0 |
| leating Operation | Capacity (Max/Nom) | kBtu/h | 706.3 / 629.5 | 723.3 / 648.3 | 743.8 / 665.3 |
| eating Operation | Power Consumption | kW | 54.33 / 47.19 | 51.64 / 44.18 | 53.74 / 45.84 |
| | COP | kW | 3.81 / 3.91 | 4.11 / 4.30 | 4.06 / 4.25 |
| Sound | Pressure Level | dB(A) | 69 | 69 | 69 |
| Outer Dimensions | Height | mm | 1730 | 1730 | 1730 |
| | Width | mm | 1600+1600+1600 | 1350+1350+1350+1350 | 1350+1350+1350+1350 |
| | Depth | mm | 750 | 750 | 750 |
| | Height | mm | 1930 | 1930 | 1930 |
| Packing Dimensions | Width | mm | 1665+1665+1665 | 1420+1420+1420+1420 | 1420+1420+1420+1420 |
| Diffictionio | Depth | mm | 790 | 790 | 790 |
| Ca | abinet Color | - | | Ivory White | |
| N | let Weight | kg | 401+401+401 | 369+369+377+377 | 369+377+377+377 |
| Gr | oss Weight | kg | 427+427+427 | 393+393+401+401 | 393+401+401+401 |
| Aiı | Flow Rate | m³/min | 1050 | 1126 | 1155 |
| Refrigerant ch | narge before shipment | kg | 11.50+11.50+11.50 | 9.80+9.80+10.60+10.60 | 9.80+10.60+10.60+10.60 |
| Comp | ressor Quantity | - | 6 | 8 | 8 |
| Conden | ser Fan Quantity | - | 6 | 8 | 8 |
| | Low Pressure Gas Line | mm(in.) | Ф44.5 (1-3/4) | Ф50.8 (2) | Ф50.8 (2) |
| Heat Recovery peration System | High/Low Pressure Gas Line | mm(in.) | Ф41.3 (1-5/8) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) |
| , | Liquid Line | mm(in.) | Ф22.2 (7/8) | Ф25.4 (1) | Ф25.4 (1) |
| Heat Pump | Gas Line | mm(in.) | Ф44.5 (1-3/4) | Ф50.8 (2) | Ф50.8 (2) |
| peration System | Liquid Line | mm(in.) | Ф22.2 (7/8) | Ф25.4 (1) | Ф25.4 (1) |
| Operation Range | Cooling | °C DB | | -10~52 | |
| operation range | Heating | °C WB | | -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 C DB 19 C WB, Outdoor air inlet temperature: 35 C DB, pipe length: 7.5m, pipe height difference: 0m Heating conditions: indoor air inlet temperature: 20 C DB, Outdoor air inlet temperature: 7 C DB 6 C WB, pipe length: 7.5m, pipe height difference: 0m 2.The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.

3.The final appearance of outdoor units is subject to the actual products.





| | Capacity | | 72HP | 74HP | 76HP |
|-----------------------|----------------------------|---------|-------------------------|-------------------------|-------------------------|
| | Model | | AVWT-680FKFSHA | AVWT-700FKFSHA | AVWT-720FKFSHA |
| | | | AVWT-170FKFSHA | AVWT-170FKFSHA | AVWT-170FKFSHA |
| | Combination | | AVWT-170FKFSHA | AVWT-170FKFSHA | AVWT-170FKFSHA |
| | • | | AVWT-170FKFSHA | AVWT-170FKFSHA | AVWT-190FKFSHA |
| | | | AVWT-170FKFSHA | AVWT-190FKFSHA | AVWT-190FKFSHA |
| | Power Supply | | | AC 3Ф,380-415V/50/60Hz | |
| | Nominal Capacity | kW | 200.0 | 206.0 | 212.0 |
| 2li Oti | NOTHINAL Capacity | kBtu/h | 682.4 | 702.9 | 723.3 |
| Cooling Operation | Power Consumption | kW | 50.76 | 52.43 | 54.10 |
| | EER | kW/kW | 3.94 | 3.93 | 3.92 |
| | Capacity (Max/Nom) | kW | 224.0 / 200.0 | 231.0 / 206.0 | 238.0 / 212.0 |
| Heating Operation | Capacity (Max/Nom) | kBtu/h | 764.3 / 682.4 | 788.2 / 702.9 | 812.1 / 723.3 |
| oduling Operation | Power Consumption | kW | 55.86 / 47.51 | 57.65 / 49.03 | 59.43 / 50.55 |
| | COP | kW | 4.01 / 4.21 | 4.01 / 4.20 | 4.00 / 4.19 |
| Sound | Pressure Level | dB(A) | 69 | 69 | 69 |
| Outer Dimensions | Height | mm | 1730 | 1730 | 1730 |
| | Width | mm | 1350+1350+1350+1350 | 1350+1350+1350+1600 | 1350+1350+1600+1600 |
| | Depth | mm | 750 | 750 | 750 |
| | Height | mm | 1930 | 1930 | 1930 |
| Packing Dimensions | Width | mm | 1420+1420+1420+1420 | 1420+1420+1420+1665 | 1420+1420+1665+1665 |
| Diffictisions | Depth | mm | 790 | 790 | 790 |
| Ca | binet Color | - | | Ivory White | |
| N | et Weight | kg | 377+377+377+377 | 377+377+377+400 | 377+377+400+400 |
| Gr | oss Weight | kg | 401+401+401+401 | 401+401+401+426 | 401+401+426+426 |
| Air | Flow Rate | m³/min | 1184 | 1238 | 1292 |
| Refrigerant ch | arge before shipment | kg | 10.60+10.60+10.60+10.60 | 10.60+10.60+10.60+11.50 | 10.60+10.60+11.50+11.50 |
| Compr | essor Quantity | - | 8 | 8 | 8 |
| Condens | ser Fan Quantity | - | 8 | 8 | 8 |
| | Low Pressure Gas Line | mm(in.) | Ф50.8 (2) | Ф50.8 (2) | Ф50.8 (2) |
| Heat Recovery | High/Low Pressure Gas Line | mm(in.) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) |
| Speciation System | Liquid Line | mm(in.) | Ф25.4 (1) | Ф25.4 (1) | Ф25.4 (1) |
| Heat Pump | Gas Line | mm(in.) | Ф50.8 (2) | Ф50.8 (2) | Ф50.8 (2) |
| Operation System | Liquid Line | mm(in.) | Ф25.4 (1) | Ф25.4 (1) | Ф25.4 (1) |
| Operation Pages | Cooling | °C DB | | -10~52 | |
| Operation Range | Heating | °C WB | | -25~16.5 | |

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:

Cooling conditions: indoor air inlet temperature: 27 C DB 19 C WB, Outdoor air inlet temperature: 35 C DB, pipe length: 7.5m, pipe height difference: 0m Heating conditions: indoor air inlet temperature: 20 C DB, Outdoor air inlet temperature: 7 C DB 6 C WB, pipe length: 7.5m, pipe height difference: 0m

2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene. 3. The final appearance of outdoor units is subject to the actual products.

Hi-FLEXi S Series

Hi-FLEXi S Series

Outdoor unit specifications



| | Capacity | | 78HP | 80HP | 82HP |
|-----------------------------------|----------------------------|---------|-------------------------|-------------------------|-------------------------|
| | Model | | AVWT-740FKFSHA | AVWT-760FKFSHA | AVWT-782FKFSHA |
| | | | AVWT-170FKFSHA | AVWT-190FKFSHA | AVWT-190FKFSHA |
| | Combination | | AVWT-190FKFSHA | AVWT-190FKFSHA | AVWT-190FKFSHA |
| | 0011101111111111111 | | AVWT-190FKFSHA | AVWT-190FKFSHA | AVWT-190FKFSHA |
| | | | AVWT-190FKFSHA | AVWT-190FKFSHA | AVWT-212FKFSHA |
| | Power Supply | | | AC 3Ф,380-415V/50/60Hz | |
| | Naminal Canasity | kW | 218.0 | 224.0 | 229.5 |
| | Nominal Capacity | kBtu/h | 743.8 | 764.3 | 783.1 |
| Cooling Operation | Power Consumption | kW | 55.77 | 57.44 | 59.68 |
| | EER | kW/kW | 3.91 | 3.90 | 3.85 |
| | Capacity (Max/Nom) | kW | 245.0 / 218.0 | 252.0 / 224.0 | 258.0 / 229.5 |
| leating Operation | Capacity (Max/Nom) | kBtu/h | 835.9 / 743.8 | 859.8 / 764.3 | 880.3 / 783.1 |
| leating Operation | Power Consumption | kW | 61.21 / 52.07 | 63.00 / 53.59 | 65.34 / 55.88 |
| | COP | kW | 4.00 / 4.19 | 4.00 / 4.18 | 3.95 / 4.11 |
| Sound | Pressure Level | dB(A) | 69 | 69 | 69 |
| | Height | mm | 1730 | 1730 | 1730 |
| Outer | Width | mm | 1350+1600+1600+1600 | 1600+1600+1600+1600 | 1600+1600+1600+1600 |
| Dimensions | Depth | mm | 750 | 750 | 750 |
| | Height | mm | 1930 | 1930 | 1930 |
| Packing Dimensions | Width | mm | 1420+1665+1665+1665 | 1665+1665+1665+1665 | 1665+1665+1665+1665 |
| Dimensions | Depth | mm | 790 | 790 | 790 |
| Ca | abinet Color | - | | Ivory White | |
| N | let Weight | kg | 377+400+400+400 | 400+400+400+400 | 400+400+400+401 |
| Gr | ross Weight | kg | 401+426+426+426 | 426+426+426+426 | 426+426+426+427 |
| | r Flow Rate | m³/min | 1346 | 1400 | 1400 |
| Refrigerant ch | narge before shipment | kg | 10.60+11.50+11.50+11.50 | 11.50+11.50+11.50+11.50 | 11.50+11.50+11.50+11.05 |
| Comp | ressor Quantity | - | 8 | 8 | 8 |
| Conden | ser Fan Quantity | - | 8 | 8 | 8 |
| | Low Pressure Gas Line | mm(in.) | Ф50.8 (2) | Ф50.8 (2) | Ф50.8 (2) |
| Heat Recovery Operation System | High/Low Pressure Gas Line | mm(in.) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) |
| poration dystern | Liquid Line | mm(in.) | Ф25.4 (1) | Ф25.4 (1) | Ф25.4 (1) |
| Heat Pump | Gas Line | mm(in.) | Ф50.8 (2) | Ф50.8 (2) | Ф50.8 (2) |
| Operation System | Liquid Line | mm(in.) | Ф25.4 (1) | Ф25.4 (1) | Ф25.4 (1) |
| 0 " 0 | Cooling | °C DB | , | -10~52 | , |
| Operation Range | Heating | °C WB | | -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 C DB 19 C WB, Outdoor air inlet temperature: 35 C DB, pipe length: 7.5m, pipe height difference: 0m Heating conditions: indoor air inlet temperature: 20 C DB, Outdoor air inlet temperature: 7 C DB 6 C WB, pipe length: 7.5m, pipe height difference: 0m 2.The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.

3.The final appearance of outdoor units is subject to the actual products.

| Minerale S | V | Hisense S | T I | Miserise S | T I | Hisense S |
|------------|---|-----------|-----|------------|-----|-----------|
| 7 | | | Z | | Z | |

| | Capacity | | 84HP | 86HP | 88HP |
|--------------------------------|----------------------------|---------|-------------------------|-------------------------|-------------------------|
| | Model | | AVWT-804FKFSHA | AVWT-826FKFSHA | AVWT-848FKFSHA |
| | | | AVWT-190FKFSHA | AVWT-190FKFSHA | AVWT-212FKFSHA |
| | Combination | | AVWT-190FKFSHA | AVWT-212FKFSHA | AVWT-212FKFSHA |
| | | | AVWT-212FKFSHA | AVWT-212FKFSHA | AVWT-212FKFSHA |
| | | | AVWT-212FKFSHA | AVWT-212FKFSHA | AVWT-212FKFSHA |
| | Power Supply | | | AC 3Ф,380-415V/50/60Hz | |
| | Nominal Capacity | kW | 235.0 | 240.5 | 246.0 |
| Caaling Operation | NOMINAL Capacity | kBtu/h | 801.8 | 820.6 | 839.4 |
| Cooling Operation | Power Consumption | kW | 61.93 | 64.20 | 66.49 |
| | EER | kW/kW | 3.79 | 3.75 | 3.70 |
| | Capacity (Max/Nom) | kW | 264.0 / 235.0 | 270.0 / 240.5 | 276.0 / 246.0 |
| Heating Operation | Capacity (Max/Nom) | kBtu/h | 900.8 / 801.8 | 921.2 / 820.6 | 941.7 / 839.4 |
| reading Operation | Power Consumption | kW | 67.70 / 58.20 | 70.06 / 60.55 | 72.44 / 62.92 |
| | COP | kW | 3.90 / 4.04 | 3.85 / 3.97 | 3.81 / 3.91 |
| Sound | Pressure Level | dB(A) | 70 | 70 | 70 |
| Outer Dimensions | Height | mm | 1730 | 1730 | 1730 |
| | Width | mm | 1600+1600+1600+1600 | 1600+1600+1600+1600 | 1600+1600+1600+1600 |
| Diffictisions | Depth | mm | 750 | 750 | 750 |
| | Height | mm | 1930 | 1930 | 1930 |
| Packing Dimensions | Width | mm | 1665+1665+1665+1665 | 1665+1665+1665+1665 | 1665+1665+1665+1665 |
| Diffictisions | Depth | mm | 790 | 790 | 790 |
| Ca | abinet Color | - | | Ivory White | |
| ٨ | let Weight | kg | 400+400+401+401 | 400+401+401+401 | 401+401+401+401 |
| Gr | ross Weight | kg | 426+426+427+427 | 426+427+427+427 | 427+427+427+427 |
| Air | r Flow Rate | m³/min | 1400 | 1400 | 1400 |
| Refrigerant cl | narge before shipment | kg | 11.50+11.50+11.50+11.05 | 11.50+11.50+11.50+11.05 | 11.50+11.50+11.50+11.05 |
| Comp | ressor Quantity | - | 8 | 8 | 8 |
| Conden | ser Fan Quantity | - | 8 | 8 | 8 |
| | Low Pressure Gas Line | mm(in.) | Ф50.8 (2) | Ф50.8 (2) | Ф50.8 (2) |
| Heat Recovery Operation System | High/Low Pressure Gas Line | mm(in.) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) | Ф44.5 (1-3/4) |
| Operation by stern | Liquid Line | mm(in.) | Ф25.4 (1) | Ф25.4 (1) | Ф25.4 (1) |
| Heat Pump | Gas Line | mm(in.) | Ф50.8 (2) | Ф50.8 (2) | Ф50.8 (2) |
| Operation System | Liquid Line | mm(in.) | Ф25.4 (1) | Ф25.4 (1) | Ф25.4 (1) |
| Operation Person | Cooling | °C DB | | -10~52 | |
| Operation Range | Heating | °C WB | | -25~16.5 | |

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:

Cooling conditions: indoor air inlet temperature: 27 C DB 19 C WB, Outdoor air inlet temperature: 35 C DB, pipe length: 7.5m, pipe height difference: 0m Heating conditions: indoor air inlet temperature: 20 C DB, Outdoor air inlet temperature: 7 C DB 6 C WB, pipe length: 7.5m, pipe height difference: 0m 2.The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.

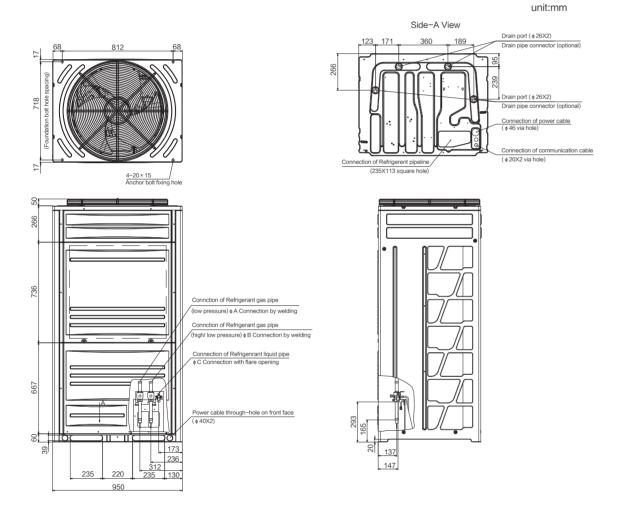
3.The final appearance of outdoor units is subject to the actual products.

Dimensional Drawings

Dimensional Drawings

Hi-FLEXi S Series

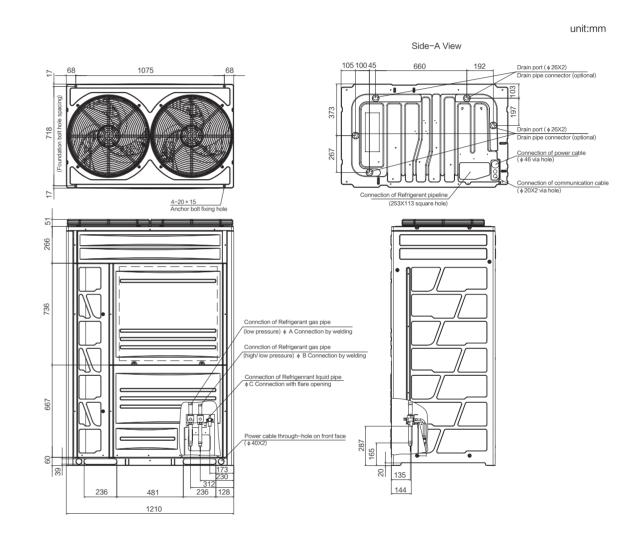
AVWT-76~96FKFSHA



| | | | unit:mm |
|---------------|-------|-------|---------|
| Model | А | В | С |
| AVWT-76FKFSA | 19.05 | 15.88 | 9.53 |
| AVWT-96FKFSA | 22.2 | 19.05 | 9.53 |
| AVWT-114FKFSA | 25.4 | 22.2 | 12.7 |
| AVWT-76FKFSHA | 19.05 | 15.88 | 9.53 |
| AVWT-96FKFSHA | 22.2 | 19.05 | 9.53 |

Hi-FLEXi S Series

AVWT-114 \sim 136FKFSHA



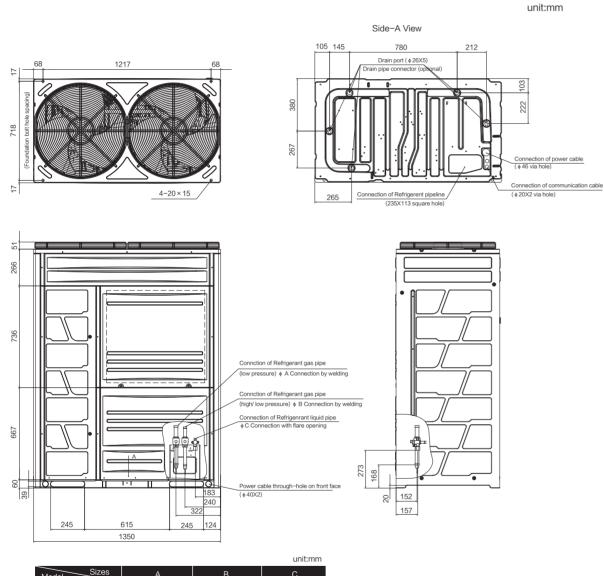
| | | | unit:mm |
|----------------|------|------|---------|
| Model | Α | В | С |
| AVWT-136FKFSA | 25.4 | 22.2 | 12.7 |
| AVWT-154FKFSA | 28.6 | 22.2 | 12.7 |
| AVWT-170FKFSA | 28.6 | 22.2 | 15.88 |
| AVWT-114FKFSHA | 25.4 | 22.2 | 12.7 |
| AVWT-136FKFSHA | 25.4 | 22.2 | 12.7 |

Dimensional Drawings

Dimensional Drawings

Hi-FLEXi S Series

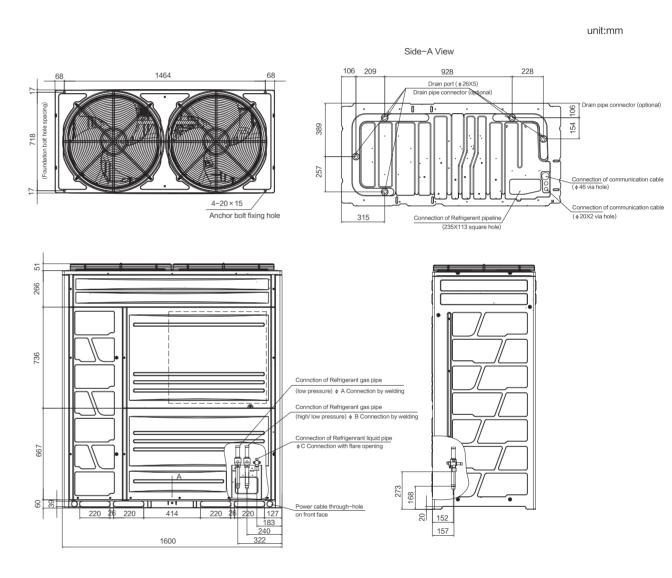
AVWT-154 \sim 170FKFSHA



| | | | di ili. |
|----------------|------|------|---------|
| Model Sizes | A | В | С |
| AVWT-190FKFSA | 28.6 | 22.2 | 15.88 |
| AVWT-212FKFSA | 28.6 | 25.4 | 15.88 |
| AVWT-232FKFSA | 28.6 | 25.4 | 15.88 |
| AVWT-154FKFSHA | 28.6 | 22.2 | 12.7 |
| AVWT-170FKFSHA | 28.6 | 22.2 | 15.88 |

Hi-FLEXi S Series

AVWT-190~212FKFSHA



| | | | unit:mm | | |
|----------------|-------|------|---------|--|--|
| Model | A | В | С | | |
| AVWT-250FKFSA | 31.75 | 25.4 | 19.05 | | |
| AVWT-272FKFSA | 31.75 | 28.6 | 19.05 | | |
| AVWT-250FKFSA | 28.6 | 22.2 | 15.88 | | |
| AVWT-272FKFSHA | 28.6 | 25.4 | 15.88 | | |

AIR CONDITIONING SOLUTION

Hi-FLEXi W Series

Hi-FLEXi W Series Heat Recovery is available to two-pipes and three-pipes system, and can realize two-stage heat recovery (water-side heat recovery and refrigerant-side heat recovery) to achieve simultaneous cooling and heating in one system, bring you a more comfortable indoor environment.

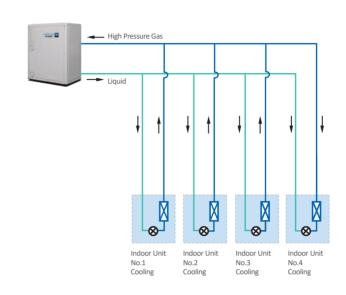
Simultaneous cooling and heating

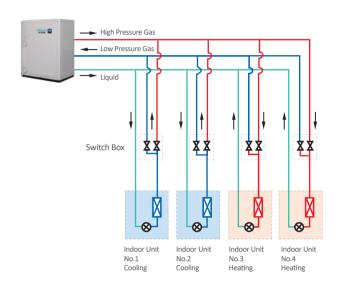
Convenient installation

360° fitted refrigerant cooling technology

Hi-FLEXi W Series

Available for two-pipe systems and three-pipe systems

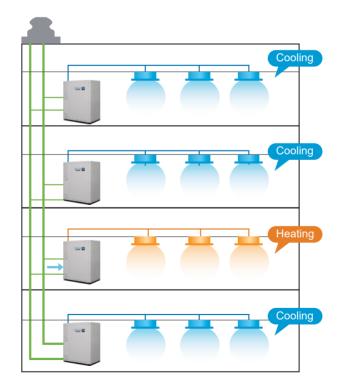




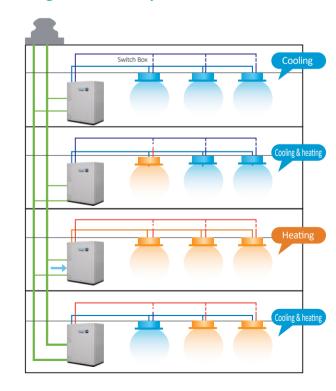
Note: Mini W Series (3~6HP) is only suitable for 2-pipe heat pump systems.

2-stage heat recovery

1-stage heat recovery



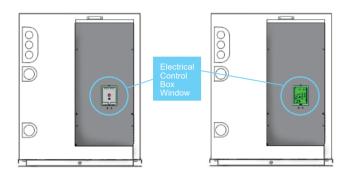
2-stage heat recovery

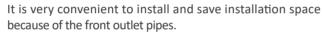


Hi-FLEXi W Series

Convenient installation

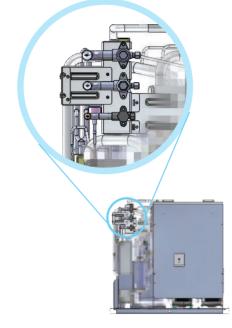
The electrical control box window is designed for service engineers to check issues of PCB conveniently. Especially for issues with a high voltage risk of electric shock, it can help engineers to avoid some risks.





- Compared with air-cooled units, it has no ventilation requirements.
- Convenient installation, no need to install air duct.

Note: This point is not suitable for Mini W Series (3~6HP).





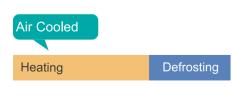


Continuous heating without defrosting operation

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.

Nater Source

Heating





Hi-FLEXi W Series

Indoor installation, not affected by weather conditions

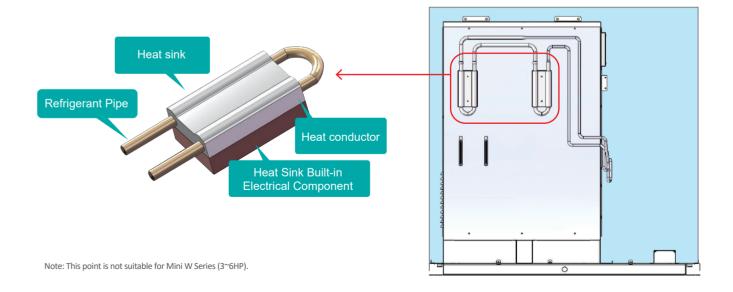
Indoor installation does not affect the facade of building, and avoids the poor heat dissipation problems which often encountered by many air-cooled outdoor units. Water-cooled efficiency is higher than air-cooled, making the system more energy efficient.



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.



Hi-FLEXi W Series

Compact Structure, Easy Transportation

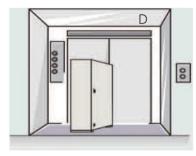
Mini W Series (3~6HP) has more compact structure, with dimensions: 800*800*370. Compared with conventional central water-source unit, it is more convenient to install and transport.



Machine Room for Conventional Central Water-source Unit



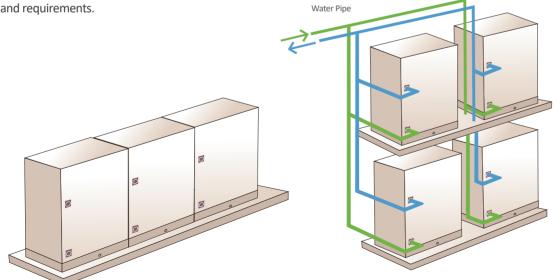
3-6HP:H800×W800×D370mm



Elevator Transport

Flexible Installation

Modular structure can easily realize module stacking and combination, which can greatly save installation space and make installation more flexible. So It can be suitable for more applications and requirements.



Note: 3~6HP machines is only suitable for 2-pipe system, it cannot be combined or stacked with 8-20HP machines.

Hi-FLEXi W Series

Outdoor unit specifications



| Hi-FLEXi W Series | | HP | 3HP | 4HP | 5HP | 6HP |
|---------------------------|-----------------------------|---------------------|-------------|-------------------|-------------|-------------|
| Model Power Supply | AC1Φ, 220~240V/50Hz | | AVWW-28UCSA | AVWW-38UCSA | AVWW-48UCSA | AVWW-54UCSA |
| | Nominal Capacity*1 | kW | 8.0 | 11.2 | 14.0 | 15.5 |
| Cooling Operation | | KBtu/h | 27.3 | 38.2 | 47.8 | 52.9 |
| | Nominal Input | kW | 1.90 | 2.60 | 3.41 | 3.88 |
| | EER | W/W | 4.21 | 4.31 | 4.11 | 3.99 |
| | Nominal Capacity*1 | kW | 9.0 | 12.5 | 16.0 | 18.0 |
| Heating Operation | Nominal Capacity | KBtu/h | 30.7 | 42.7 | 54.6 | 61.4 |
| rieating Operation | Nominal Input | kW | 1.80 | 2.40 | 3.14 | 3.60 |
| | COP | W/W | 5.00 | 5.21 | 5.10 | 5.00 |
| | Height | mm | 800 | 800 | 800 | 800 |
| | Width | mm | 800 | 800 | 800 | 800 |
| Outer Dimensions | Depth | mm | 370 | 370 | 370 | 370 |
| | Area | m² | 0.3 | 0.3 | 0.3 | 0.3 |
| Packing Dimensions | H×W×D | mm | 980×450×930 | 980×450×930 | 980×450×930 | 980×450×930 |
| Net Weight | | Kg | 78 | 100 | 100 | 100 |
| Gross Weight | | Kg | 85 | 107 | 107 | 107 |
| Sound Pressure Level *2 | Cooling/Heating | dB(A) | 49 | 51 | 51 | 51 |
| | Water Temperature*3 | °C | 10~45 | 10~45 | 10~45 | 10~45 |
| Water-Side | Water Flow Rate | L/min | 30 | 38 | 48 | 53 |
| Heat Exchanger | Water Pressure Drop | kPa | 30 | 30 | 35 | 40 |
| | Maximum Pressure Resistance | kgf/cm ² | 20 | 20 | 20 | 20 |
| Refrigerant | Liquid Pipe | mm(in.) | Ф9.53(3/8) | Ф9.53(3/8) | Ф9.53(3/8) | Ф9.53(3/8) |
| Connecting Pipes | Low Pressure Gas Pipe | mm(in.) | Ф15.88(5/8) | Ф15.88(5/8) | Ф15.88(5/8) | Ф15.88(5/8) |
| | Water Pipe | | DN25 | DN25 | DN25 | DN25 |
| Water Connecting Pipes | Thread of Connector | | G1B | G1B | G1B | G1B |
| | Drain Pipe | | | Outer Diameter 18 | | |
| MAX. Connectable Indoor | Units | mm | 4 | 5 | 6 | 7 |

Notes:

- *1. Operation Condition:
- Cooling:Indoor Temperature 27°CDB/19°C WB, Water Inlet/Outlet 30/35°C. Heating:Indoor Temperature 20°C DB/15°C WB, Water Inlet 20°C.

- *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.

 * it is only suitable for 2-pipe heat pump systems.

Hi-FLEXi W Series

Hi-FLEXi W Series

Outdoor unit specifications



| Hi-FLEXi W Series Heat R | ecovery | HP | 8HP | 10HP | 12HP | 14HP |
|---------------------------------|--------------------------------|---------------------|--------------|--------------|--------------|--------------|
| Model Power Supply | AC 3Ф, 380 \sim 415V/50Hz(60 | Hz) | AVWW-76FKFW | AVWW-96FKFW | AVWW-114FKFW | AVWW-136FKFW |
| | | kW | 22.4 | 28.0 | 33.5 | 40.0 |
| Cooling Operation | Nominal Capacity*1 | KBtu/h | 76.5 | 95.6 | 114.3 | 136.5 |
| Cooling Operation | Nominal Input | kW | 3.85 | 5.04 | 6.32 | 7.84 |
| | EER | W/W | 5.82 | 5.55 | 5.30 | 5.10 |
| | Nominal Capacity*1 | kW | 25.0 | 31.5 | 37.5 | 45.0 |
| Heating Operation | Nominal Capacity | KBtu/h | 85.3 | 107.5 | 128.0 | 153.6 |
| Heating Operation | Nominal Input | kW | 4.08 | 5.25 | 6.45 | 8.03 |
| | COP | W/W | 6.12 | 6.00 | 5.81 | 5.60 |
| | Height | mm | 1030 | 1030 | 1030 | 1030 |
| Outer Dimensions | Width | mm | 820 | 820 | 820 | 820 |
| Gutor Billionolollo | Depth | mm | 560 | 560 | 560 | 560 |
| | Area | m² | 0.46 | 0.46 | 0.46 | 0.46 |
| Packing Dimensions | H×W×D | mm | 1180×900×632 | 1180×900×632 | 1180×900×632 | 1180×900×632 |
| Net Weight | | Kg | 166 | 166 | 171 | 171 |
| Gross Weight | | Kg | 170 | 170 | 175 | 175 |
| Sound Pressure Level *2 | Cooling/Heating | dB(A) | 49/51 | 51/53 | 53/54 | 55/57 |
| | Water Temperature*3 | °C | 10~45 | 10~45 | 10~45 | 10~45 |
| Water-Side | Water Flow Rate | L/min | 76.7 | 96.0 | 115.0 | 138.3 |
| Heat Exchanger | Water Pressure Drop | kPa | 30 | 45 | 45 | 60 |
| | Maximum Pressure Resistance | kgf/cm ² | 20 | 20 | 20 | 20 |
| D. () | Liquid Pipe | mm(in.) | Ф9.53(3/8) | Ф9.53(3/8) | Ф12.7(1/2) | Ф12.7(1/2) |
| Refrigerant Connecting Pipes | Low Pressure Gas Pipe | mm(in.) | Ф19.05(3/4) | Ф22.2(7/8) | Ф25.4(1) | Ф25.4(1) |
| | High/Low Pressure Gas Pipe | mm(in.) | Ф15.88(5/8) | Ф19.05(3/4) | Ф22.2(7/8) | Ф22.2(7/8) |
| | Water Pipe | | DN32 | DN32 | DN32 | DN32 |
| Water Connecting Pipes | Thread of Connector | | G1-1/4B | G1-1/4B | G1-1/4B | G1-1/4B |
| Connocting ripes | Drain Pipe | mm | | Outer Dia | meter 18 | |
| MAX. Connectable | Recommended | | 12 | 15 | 18 | 21 |
| Indoor Units | MAX. | | 19 | 24 | 29 | 34 |
| MAX. Piping Length*4 | MAX. Piping Length*4 | | 300(500) | 300(500) | 300(500) | 300(500) |
| MAX. Height Difference | Between ODU and IDU | m | 50 | 50 | 50 | 50 |
| MAX. Piping length Between | een IDUs with same SW Box | m | 40 | 40 | 40 | 40 |
| | | | | | | |

Notes:

*1. Operation Condition:

Cooling:Indoor Temperature 27°CDB/19°C WB, Water Inlet/Outlet 30/35°C.

Heating:Indoor Temperature 20°C DB/15°C WB, Water Inlet 20°C.

*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 our professional engineer.



| Hi-FLEXi W Series Heat R | ecovery | HP | 16HP | 18HP | 20HP |
|---------------------------------|---------------------------------------|---------------------|---------------|-------------------|---------------|
| Model Power Supply | AC 3 Φ , 380 \sim 415V/50Hz(60 | Hz) | AVWW-154FKFW | AVWW-170FKFW | AVWW-190FKFW |
| | N : 10 " #4 | kW | 45.0 | 50.0 | 56.0 |
| Cooling Operation | Nominal Capacity*1 | KBtu/h | 153.6 | 170.6 | 191.1 |
| Cooling Operation | Nominal Input | kW | 8.11 | 9.43 | 10.98 |
| | EER | W/W | 5.55 | 5.30 | 5.10 |
| | Nominal Capacity*1 | kW | 50.0 | 56.0 | 63.0 |
| | Nominal Capacity 1 | KBtu/h | 170.6 | 191.1 | 215.0 |
| Heating Operation | Nominal Input | kW | 8.33 | 9.62 | 10.86 |
| | COP | W/W | 6.00 | 5.82 | 5.80 |
| | Height | mm | 1030 | 1030 | 1030 |
| Outer Dimensions | Width | mm | 1040 | 1040 | 1040 |
| Julei Dilliensions | Depth | mm | 560 | 560 | 560 |
| | Area | m² | 0.58 | 0.58 | 0.58 |
| Packing Dimensions | H×W×D | mm | 1180×1112×632 | 1180×1112×632 | 1180×1112×632 |
| let Weight | | Kg | 245 | 246 | 246 |
| Gross Weight | | Kg | 250 | 251 | 251 |
| Sound Pressure Level *2 | Cooling/Heating | dB(A) | 51/52 | 53/53 | 53/55 |
| | Water Temperature*3 | °C | 10~45 | 10~45 | 10~45 |
| Vater-Side | Water Flow Rate | L/min | 153.3 | 166.7 | 193.3 |
| Heat Exchanger | Water Pressure Drop | kPa | 40 | 45 | 60 |
| | Maximum Pressure Resistance | kgf/cm ² | 20 | 20 | 20 |
| | Liquid Pipe | mm(in.) | Ф12.7(1/2) | Ф15.88(5/8) | Ф15.88(5/8) |
| Refrigerant Connecting Pipes | Low Pressure Gas Pipe | mm(in.) | Ф28.6(1-1/8) | Ф28.6(1-1/8) | Ф28.6(1-1/8) |
| Jointooning 1 ipoo | High/Low Pressure Gas Pipe | mm(in.) | Ф22.2(7/8) | Ф22.2(7/8) | Ф22.2(7/8) |
| | Water Pipe | | DN32 | DN32 | DN32 |
| Vater | Thread of Connector | | G1-1/4B | G1-1/4B | G1-1/4B |
| Connecting Pipes | Drain Pipe | mm | | Outer Diameter 18 | |
| /IAX. Connectable | Recommended | | 23 | 26 | 29 |
| ndoor Units | MAX. | | 39 | 43 | 48 |
| MAX. Piping Length*4 | | m | 300(500) | 300(500) | 300(500) |
| MAX. Height Difference I | Between ODU and IDU | m | 50 | 50 | 50 |
| • | een IDUs with same SW Box | m | 40 | 40 | 40 |

Notes:

*1. Operation Condition:
Cooling:Indoor Temperature 27°CDB/19°C WB, Water Inlet/Outlet 30/35°C.
Heating:Indoor Temperature 20°C DB/15°C WB, Water Inlet 20°C.
*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 our professional engineer.

Hi-FLEXi W Series

Hi-FLEXi W Series

Outdoor unit specifications



| Hi-FLEXi W Series Heat Recovery | | | 22HP | 24HP | 26HP | 28HP | 30HP |
|---------------------------------|--|---------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|
| Model Power Supply | AC 3 Φ , 380 \sim 415V/50Hz(60 | Hz) | AVWW-210FKFW | AVWW-228FKFW | AVWW-250FKFW | AVWW-268FKFW | AVWW-286FKFW |
| C | Combination | | | | AVWW-114FKFW AVWW-136FKFW | | |
| | Name of Oan as the #4 | kW | 61.5 | 67.0 | 73.5 | 78.5 | 84.0 |
| Cooling Operation | Nominal Capacity*1 | KBtu/h | 209.9 | 228.6 | 250.8 | 267.9 | 286.7 |
| Cooling Operation | Nominal Input | kW | 11.4 | 12.6 | 14.2 | 14.4 | 16.0 |
| | EER | | 5.41 | 5.30 | 5.19 | 5.44 | 5.24 |
| | Nominal Capacity*1 | kW | 69.0 | 75.0 | 82.5 | 87.5 | 94.5 |
| Heating Operation | Nonlinal Capacity | KBtu/h | 235.4 | 255.9 | 281.6 | 298.6 | 322.4 |
| Heating Operation | Nominal Input | kW | 11.7 | 12.9 | 14.5 | 14.8 | 16.1 |
| | COP | | 5.90 | 5.81 | 5.70 | 5.92 | 5.87 |
| Outer Dimensions | H×W×D | mm | 1030×820×560+ 1030×820×560 | 1030×820×560+ 1030×820×560 | 1030×820×560+ 1030×820×560 | 1030×820×560+ 1030×1040×560 | 1030×820×560+ 1030×1040×560 |
| | Area | m² | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 |
| Packing Dimensions | H×W×D | mm | 1180×900×632+ 1180×900×632 | 1180×900×632+ 1180×900×632 | 1180×900×632+ 1180×900×632 | 1180×900×632+ 1180×1112×632 | 1180×900×632+ 1180×1112×632 |
| Net Weight | | Kg | 337 | 342 | 342 | 416 | 412 |
| Gross Weight | | Kg | 345 | 350 | 350 | 425 | 421 |
| Sound Pressure Level *2 | Cooling/Heating | dB(A) | 56/57 | 56/57 | 58/60 | 56/57 | 56/58 |
| | Water Temperature*3 | °C | 10~45 | 10~45 | 10~45 | 10~45 | 10~45 |
| Water-Side | Water Flow Rate | L/min | 211.0 | 230.0 | 253.3 | 268.3 | 289.3 |
| Heat Exchanger | Water Pressure Drop | kPa | / | 1 | / | 1 | 1 |
| | Maximum Pressure Resistance | kgf/cm ² | 20 | 20 | 20 | 20 | 20 |
| D. (:) | Liquid Pipe | mm(in.) | Ф15.88(5/8) | Ф15.88(5/8) | Ф19.05(3/4) | Ф19.05(3/4) | Ф19.05(3/4) |
| Refrigerant Connecting Pipes | Low Pressure Gas Pipe | mm(in.) | Ф28.6(1-1/8) | Ф28.6(1-1/8) | Ф31.75(1-1/4) | Ф31.75(1-1/4) | Ф31.75(1-1/4) |
| 0 1 | High/Low Pressure Gas Pipe | mm(in.) | Ф25.4(1) | Ф25.4(1) | Ф25.4(1) | Ф28.6(1-1/8) | Ф28.6(1-1/8) |
| | Water Pipe | | DN32 | DN32 | DN32 | DN32 | DN32 |
| Water Connecting Pipes | Thread of Connector | | G1-1/4B | G1-1/4B | G1-1/4B | G1-1/4B | G1-1/4B |
| coourig i ipoo | Drain Pipe | mm | | (| Outer Diameter 18 | 3 | |
| MAX. Connectable | Recommended | | 33 | 36 | 39 | 40 | 40 |
| Indoor Units | MAX. | | 53 | 58 | 63 | 64 | 64 |
| MAX. Piping Length*4 | MAX. Piping Length*4 | | 300(500) | 300(500) | 300(500) | 300(500) | 300(500) |
| MAX. Height Difference E | MAX. Height Difference Between ODU and IDU m | | | | 50 | 50 | 50 |
| MAX. Piping length Between | en IDUs with same SW Box | m | 40 | 40 | 40 | 40 | 40 |

Notes:

1. Operation Continuon.

Cooling:Indoor Temperature 27°CDB/19°C WB, Water Inlet/Outlet 30/35°C.

Heating:Indoor Temperature 20°C DB/15°C WB, Water Inlet 20°C.

*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 our professional engineer.



| Hi-FLEXi W Series Heat R | ecovery | HP | 32HP | 34HP | 36HP | 38HP | 40HP |
|---------------------------------|---------------------------------------|---------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Model Power Supply | AC 3 Φ , 380 \sim 415V/50Hz(60 | Hz) | AVWW-304FKFW | AVWW-326FKFW | AVWW-344FKFW | AVWW-360FKFW | AVWW-380FKFW |
| С | ombination | | | | AVWW-154FKFW AVWW-190FKFW | | |
| | | kW | 89.5 | 96.0 | 101.0 | 106.0 | 112.0 |
| Cooling Operation | Nominal Capacity*1 | KBtu/h | 305.4 | 327.6 | 344.7 | 361.7 | 382.1 |
| Cooling Operation | Nominal Input | kW | 17.3 | 18.8 | 19.1 | 20.4 | 22.0 |
| | EER | | 5.17 | 5.10 | 5.29 | 5.19 | 5.10 |
| | Nominal Capacity*1 | kW | 100.5 | 108.0 | 113.0 | 119.0 | 126.0 |
| | Nominal Capacity 1 | KBtu/h | 342.9 | 368.6 | 385.6 | 406.0 | 429.9 |
| Heating Operation | Nominal Input | kW | 17.3 | 18.9 | 19.2 | 20.5 | 21.7 |
| | COP | | 5.81 | 5.72 | 5.89 | 5.81 | 5.80 |
| Outer Dimensions | H×W×D | mm | 1030×820×560+ 1030×1040×560 | 1030×820×560+ 1030×1040×560 | 1030×1040×560+ 1030×1040×560 | 1030×1040×560+ 1030×1040×560 | 1030×1040×560 1030×1040×560 |
| | Area | m² | 1.0 | 1.0 | 1.2 | 1.2 | 1.2 |
| Packing Dimensions | H×W×D | mm | 1180×900×632+ 1180×1112×632 | 1180×900×632+ 1180×1112×632 | 1180×1112×632+ 1180×1112×632 | 1180×1112×632+ 1180×1112×632 | 1180×1112×632- 1180×1112×632 |
| Net Weight | | Kg | 417 | 417 | 491 | 492 | 492 |
| Gross Weight | | Kg | 426 | 426 | 501 | 502 | 502 |
| Sound Pressure Level *2 | Cooling/Heating | dB(A) | 56/58 | 58/60 | 56/58 | 56/58 | 56/58 |
| | Water Temperature*3 | °C | 10~45 | 10~45 | 10~45 | 10~45 | 10~45 |
| Water-Side | Water Flow Rate | L/min | 308.3 | 331.7 | 346.7 | 360.0 | 386.7 |
| Heat Exchanger | Water Pressure Drop | kPa | 1 | 1 | / | 1 | 1 |
| | Maximum Pressure Resistance | kgf/cm ² | 20 | 20 | 20 | 20 | 20 |
| | Liquid Pipe | mm(in.) | Ф19.05(3/4) | Ф19.05(3/4) | Ф19.05(3/4) | Ф19.05(3/4) | Ф19.05(3/4) |
| Refrigerant Connecting Pipes | Low Pressure Gas Pipe | mm(in.) | Ф31.75(1-1/4) | Ф31.75(1-1/4) | Ф31.75(1-1/4) | Ф38.1(1-1/2) | Ф38.1(1-1/2) |
| 5 1 | High/Low Pressure Gas Pipe | mm(in.) | Ф28.6(1-1/8) | Ф28.6(1-1/8) | Ф28.6(1-1/8) | Ф31.75(1-1/4) | Ф31.75(1-1/4) |
| | Water Pipe | | DN32 | DN32 | DN32 | DN32 | DN32 |
| Water Connecting Pipes | Thread of Connector | | G1-1/4B | G1-1/4B | G1-1/4B | G1-1/4B | G1-1/4B |
| Connecting ripes | Drain Pipe | mm | | | Outer Diameter 18 | 3 | |
| MAX. Connectable | Recommended | | 40 | 40 | 40 | 40 | 40 |
| Indoor Units | MAX. | | 64 | 64 | 64 | 64 | 64 |
| MAX. Piping Length*4 | | m | 300(500) | 300(500) | 300(500) | 300(500) | 300(500) |
| MAX. Height Difference I | Between ODU and IDU | m | 50 | 50 | 50 | 50 | 50 |
| MAX. Piping length Between | een IDUs with same SW Box | m | 40 | 40 | 40 | 40 | 40 |

Notes:

Cooling:Indoor Temperature 27°CDB/19°C WB, Water Inlet/Outlet 30/35°C. Heating:Indoor Temperature 20°C DB/15°C WB, Water Inlet 20°C.

*2. The sound pressure is based on the following conditions.

The sound pressure is based on the following Conditions.
 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.
 When unit is operating out of the allowable water temperature range, it won't strat normally and will alarm.
 For Max.pipe length more than 300m, please contact our professional engineer.

Hi-FLEXi W Series

Outdoor Unit Specifications



| Hi-FLEXi W Series Heat R | ecovery | HP | 42HP | 44HP | 46HP | 48HP | 50HP |
|---------------------------------|---------------------------------------|---------------------|---|---|---|--|----------------|
| Model Power Supply | AC 3 Φ , 380 \sim 415V/50Hz(60 | Hz) | AVWW-400FKFW | AVWW-418FKFW | AVWW-440FKFW | AVWW-456FKFW | AVWW-476FKFW |
| C | Combination | | | | AVWW-96FKFW AVWW-154FKFW AVWW-190FKFW | | |
| | | kW | 117.5 | 123.0 | 129.0 | 134.0 | 140.0 |
| Cooling Operation | Nominal Capacity*1 | KBtu/h | 401.0 | 419.7 | 440.3 | 457.3 | 477.7 |
| Cooling Operation | Nominal Input | kW | 22.3 | 23.6 | 24.1 | 25.5 | 27.0 |
| | EER | | 5.26 | 5.21 | 5.35 | 5.27 | 5.19 |
| | Nominal Capacity*1 | kW | 132.0 | 138.0 | 144.5 | 150.5 | 157.5 |
| | Nominal Capacity | KBtu/h | 450.4 | 470.9 | 493.0 | 513.5 | 537.4 |
| Heating Operation | Nominal Input | kW | 22.6 | 23.8 | 24.4 | 25.7 | 27.0 |
| | COP | | 5.85 | 5.81 | 5.91 | 5.85 | 5.84 |
| Outer Dimensions | H×W×D | mm | 1030×820×560+ 1030×820×560+ 1030×1040×560 | | 1030×1040×560+ | 1030×1040×560+ | 1030×1040×560+ |
| | Area | m² | 1.5 | 1.5 | 1.6 | 1.6 | 1.6 |
| Packing Dimensions | H×W×D | mm | 1180×900×632+ 1180×900×632+ 1180×1112×632 | 1180×900×632+ 1180×900×632+ 1180×1112×632 | | 1180×900×632+ 1180×1112×632+ 1180×1112×632 | |
| Net Weight | | Kg | 583 | 588 | 657 | 658 | 658 |
| Gross Weight | | Kg | 596 | 601 | 671 | 672 | 672 |
| Sound Pressure Level *2 | Cooling/Heating | dB(A) | 58/60 | 58/60 | 58/60 | 58/60 | 58/60 |
| | Water Temperature*3 | °C | 10~45 | 10~45 | 10~45 | 10~45 | 10~45 |
| Water-Side | Water Flow Rate | L/min | 404.3 | 423.3 | 442.7 | 456.0 | 482.7 |
| Heat Exchanger | Water Pressure Drop | kPa | 1 | / | / | 1 | 1 |
| | Maximum Pressure Resistance | kgf/cm ² | 20 | 20 | 20 | 20 | 20 |
| D. C | Liquid Pipe | mm(in.) | Ф19.05(3/4) | Ф19.05(3/4) | Ф19.05(3/4) | Ф19.05(3/4) | Ф19.05(3/4) |
| Refrigerant Connecting Pipes | Low Pressure Gas Pipe | mm(in.) | Ф38.1(1-1/2) | Ф38.1(1-1/2) | Ф38.1(1-1/2) | Ф38.1(1-1/2) | Ф38.1(1-1/2) |
| 5 1 | High/Low Pressure Gas Pipe | mm(in.) | Ф31.75(1-1/4) | Ф31.75(1-1/4) | Ф31.75(1-1/4) | Ф31.75(1-1/4) | Ф31.75(1-1/4) |
| | Water Pipe | | DN32 | DN32 | DN32 | DN32 | DN32 |
| Water Connecting Pipes | Thread of Connector | | G1-1/4B | G1-1/4B | G1-1/4B | G1-1/4B | G1-1/4B |
| Connecting 1 ipoc | Drain Pipe | mm | | | Outer Diameter 1 | 8 | |
| MAX. Connectable | Recommended | | 40 | 40 | 40 | 40 | 40 |
| Indoor Units | MAX. | | 64 | 64 | 64 | 64 | 64 |
| MAX. Piping Length*4 | | m | 300(500) | 300(500) | 300(500) | 300(500) | 300(500) |
| MAX. Height Difference E | Between ODU and IDU | m | 50 | 50 | 50 | 50 | 50 |
| MAX. Piping length Between | een IDUs with same SW Box | m | 40 | 40 | 40 | 40 | 40 |

Notes:

1. Operation Continuon.

Cooling:Indoor Temperature 27°CDB/19°C WB, Water Inlet/Outlet 30/35°C.

Heating:Indoor Temperature 20°C DB/15°C WB, Water Inlet 20°C.

*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 our professional engineer.

Hi-FLEXi W Series



| Hi-FLEXi W Series Heat R | ecovery | HP | 52HP | 54HP | 56HP | 58HP | 60HP |
|---------------------------------|---------------------------------------|---------------------|--|--|---|---|---|
| Model Power Supply | AC 3 Φ , 380 \sim 415V/50Hz(60 | Hz) | AVWW-494FKFW | AVWW-516FKFW | AVWW-534FKFW | AVWW-550FKFW | AVWW-570FKFV |
| C | Combination | | AVWW-190FKFW | AVWW-190FKFW | AVWW-154FKFW AVWW-190FKFW AVWW-190FKFW | AVWW-190FKFW | AVWW-190FKFV |
| | | kW | 145.5 | 152.0 | 157.0 | 162.0 | 168.0 |
| Cooling Operation | Nominal Capacity*1 | KBtu/h | 496.4 | 518.6 | 535.7 | 552.7 | 573.2 |
| Cooling Operation | Nominal Input | kW | 28.3 | 29.8 | 30.1 | 31.4 | 32.9 |
| | EER | | 5.14 | 5.10 | 5.22 | 5.16 | 5.10 |
| | Nominal Capacity*1 | kW | 163.5 | 171.0 | 176.0 | 182.0 | 189.0 |
| Hartina On costica | Nominal Capacity | KBtu/h | 557.9 | 583.5 | 600.5 | 621.0 | 644.9 |
| Heating Operation | Nominal Input | kW | 28.2 | 29.8 | 30.1 | 31.3 | 32.6 |
| | COP | | 5.80 | 5.75 | 5.86 | 5.81 | 5.80 |
| Outer Dimensions | H×W×D | mm | 1030×1040×560+ | 1030×820×560+ 1030×1040×560+ 1030×1040×560 | | 1030×1040×560+ 1030×1040×560+ 1030×1040×560 | 1030×1040×560 1030×1040×560 1030×1040×560 |
| | Area | m² | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 |
| Packing Dimensions | H×W×D | mm | 1180×900×632+ 1180×1112×632+ 1180×1112×632 | | 1180×1112×632+ 1180×1112×632+ 1180×1112×632 | 1180×1112×632+ 1180×1112×632+ 1180×1112×632 | 1180×1112×632 1180×1112×632 1180×1112×632 |
| Net Weight | | Kg | 663 | 663 | 737 | 738 | 738 |
| Gross Weight | | Kg | 677 | 677 | 752 | 753 | 753 |
| Sound Pressure Level *2 | Cooling/Heating | dB(A) | 58/60 | 60/62 | 58/60 | 58/60 | 58/60 |
| | Water Temperature*3 | °C | 10~45 | 10~45 | 10~45 | 10~45 | 10~45 |
| Water-Side | Water Flow Rate | L/min | 501.7 | 525.0 | 540.0 | 553.3 | 580.0 |
| Heat Exchanger | Water Pressure Drop | kPa | / | 1 | / | / | / |
| | Maximum Pressure Resistance | kgf/cm ² | 20 | 20 | 20 | 20 | 20 |
| | Liquid Pipe | mm | Ф19.05(3/4) | Ф19.05(3/4) | Ф22.2(7/8) | Ф22.2(7/8) | Ф22.2(7/8) |
| Refrigerant Connecting Pipes | Low Pressure Gas Pipe | mm | Ф38.1(1-1/2) | Ф38.1(1-1/2) | Ф38.1(1-1/2) | Ф38.1(1-1/2) | Ф38.1(1-1/2) |
| oomioomig i ipoo | High/Low Pressure Gas Pipe | mm | Ф31.75(1-1/4) | Ф31.75(1-1/4) | Ф38.1(1-1/2) | Ф38.1(1-1/2) | Ф38.1(1-1/2) |
| | Water Pipe | | DN32 | DN32 | DN32 | DN32 | DN32 |
| Water Connecting Pipes | Thread of Connector | | G1-1/4B | G1-1/4B | G1-1/4B | G1-1/4B | G1-1/4B |
| Connecting Pipes | Drain Pipe | mm | | | Outer Diamete | r 18 | |
| MAX. Connectable | Recommended | | 40 | 40 | 40 | 40 | 40 |
| Indoor Units | MAX. | | 64 | 64 | 64 | 64 | 64 |
| MAX. Piping Length*4 | | m | 300(500) | 300(500) | 300(500) | 300(500) | 300(500) |
| MAX. Height Difference E | Between ODU and IDU | m | 50 | 50 | 50 | 50 | 50 |
| MAX. Piping length Between | een IDUs with same SW Box | m | 40 | 40 | 40 | 40 | 40 |

Notes:

Cooling:Indoor Temperature 27°CDB/19°C WB, Water Inlet/Outlet 30/35°C. Heating:Indoor Temperature 20°C DB/15°C WB, Water Inlet 20°C.

^{*2.} The sound pressure is based on the following conditions.

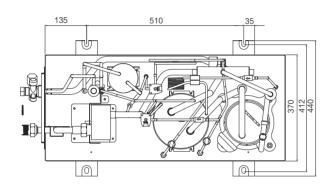
The sound pressure is used on the following conductors.
 Meter from the unit service cover surface, and 1.5 Meters from floor level.
 The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
 When unit is operating out of the allowable water temperature range, it won't strat normally and will alarm.
 For Max.pipe length more than 300m, please contact our professional engineer.

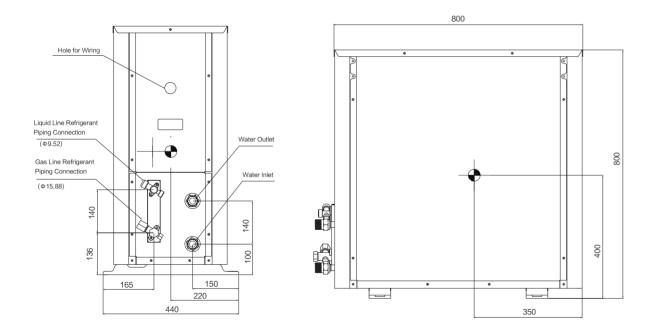
Dimensional Drawings

Hi-FLEXi W Series

AVWW-28 \sim 54UCSA

unit:mm



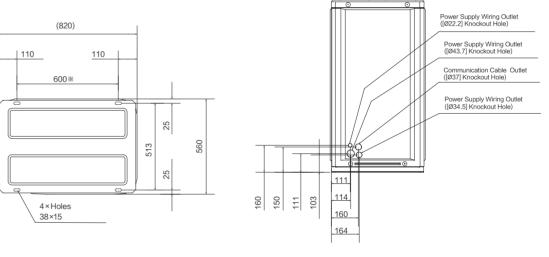


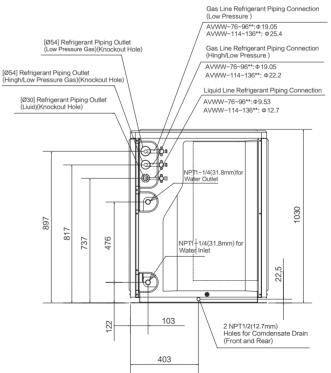
Dimensional Drawings

Hi-FLEXi W Series

AVWW-76 \sim 136FKFW

unit:mm





AIR CONDITIONING SOLUTION

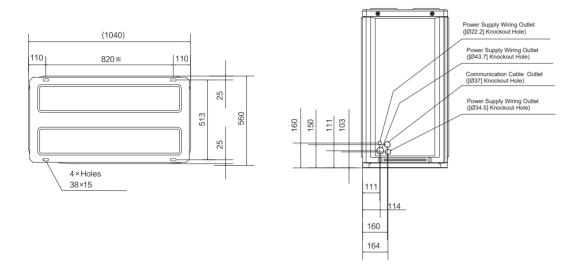
Dimensional Drawings

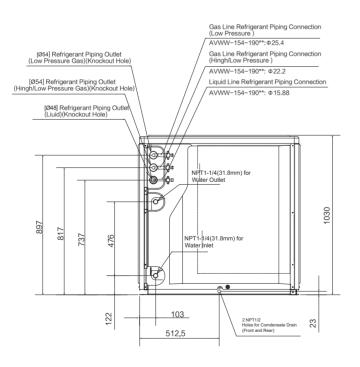
Hi-FLEXi W Series

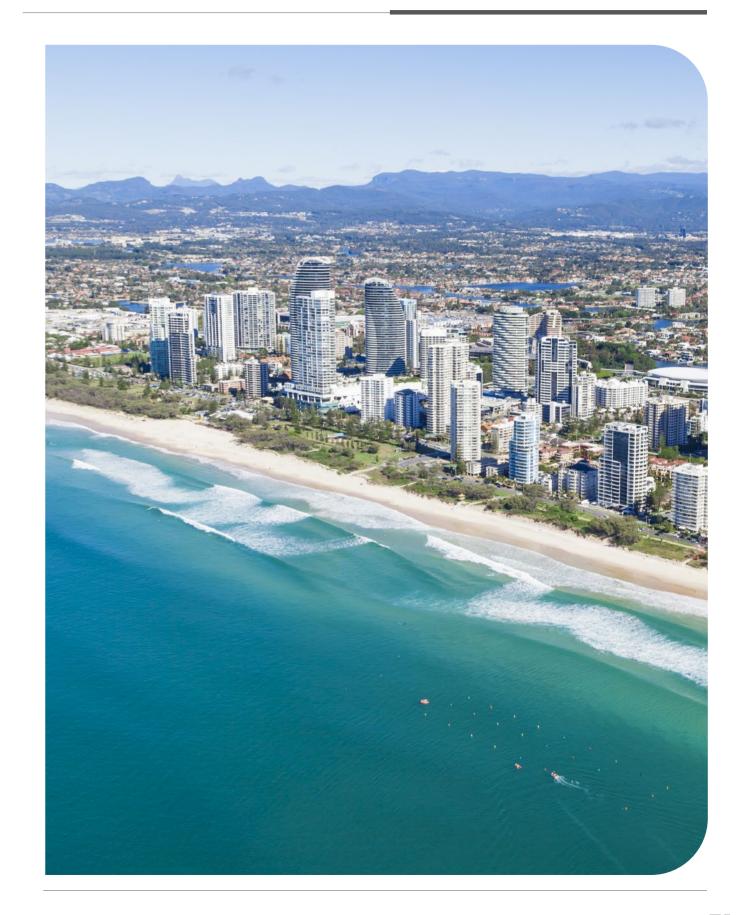
Hi-FLEXi W Series

AVWW-154 \sim 190FKFW

unit:mm







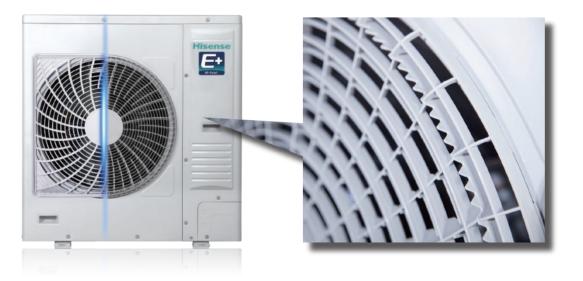


Hi-Smart E+ L+ C+ Series

Aviation level design of grille

The Hi-Smart H series can create a high-quality quiet environment. The design of the grille follows the design concepts of

aircraft engines which conform to aerodynamic principle and greatly reduced the noise.

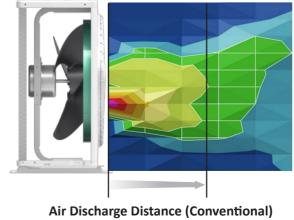


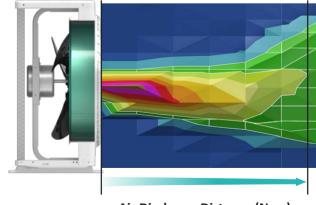
Efficient air channel

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.







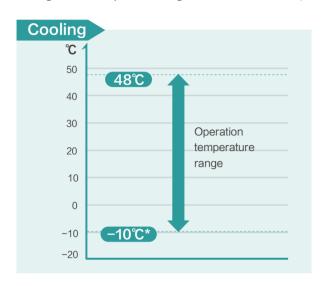
Air Discharge Distance (New)

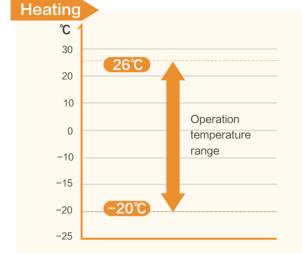
1.5-2m/s 2-2.5m/s 2.5-3m/s

Hi-Smart E+ L+ C+ Series

Wide Operating Range

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

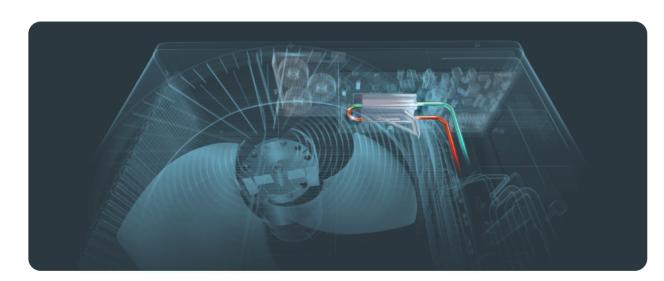




^{*} In cooling mode, the operation is under interval operation when the temperature is below -5°C.

Patented 360°Fitted Refrigerant Cooling Technology

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



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

Hi-Smart E+ L+ C+ Series

Industrial Grade PCB

The PCB of indoor and outdoor are made of black double sided resin board with high integration level. The highly integrated black PCB will greatly improve the reliability and efficiency of the electronic components and reduce the electromagnetic interference.





Hisense PCB board:

Epoxy resin composite substrate: double-sided printing, SMD welding, high strength, good weather resistance, great flame retardancy, high reliability, compact structure, small size.

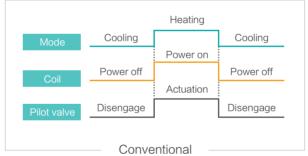
Conventional PCB board:

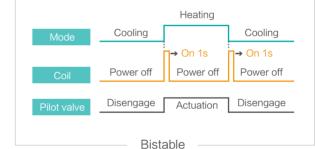
Paper-made phenolic substrate: single-sided printing, inserting welding, bad weather resistance, less flame retardancy big size

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°C, the system can start without preheating, achieving quick cool and heat.



AIR CONDITIONING SOLUTION

Hi-Smart E+ L+ C+ Series

Hi-Black Fin (Standard)

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



Enhanced Anti-corrosion Solution (Optional)

Hisense's complete corrosion-proof is a perfect solution in seaside and chemical factory applications, providing ultimate comfort without sacrificing life span and reducing maintenance cost simultaneously. The component from top to toe are treated with effective treatments and tested according to ISO, ASTM and GB standards.

1 Front/Side/Top Panel:

Anti-corrosion galvanized steel(Zirconium-based treatment +spray coating of epoxy zinc rich primer+spray coating of pure polyester paint)

2 Heat Exchanger:

Black fin (modified epoxy resin+hydrophilic film);

3 Electrical Box:

Anti-corrosion galvanized steel(Zirconium-based treatment +spray coating of pure polyester paint)

4 Fan Motor:

Coated with 10µm ~30µm acrylic resin coating

6 Protection Net:

Anti-corrosion low-carbon steel(Zirconium-based treatment+dipped in plastic polyethylene resin)

6 Bottom Base Pan:

Anti-corrosion galvanized steel(Zirconium-based treatment +spray coating of epoxy zinc rich primer+spray coating of pure polyester paint)

7 Pressure Vessel:

Anti-corrosion treated carbon steel(Zirconium-based treatment +spray coating of pure polyester paint or electrophoresis)

Screw:

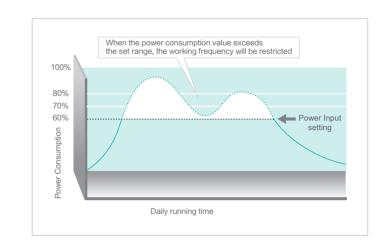
Anti-corrosion Stainless Steel(Spray Coating of DACROMET® **Coating)

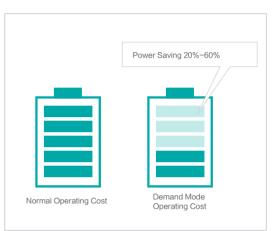
* Note: The Enhanced Anti-corrosion Solution can be provided as options.

Hi-Smart E+ L+ C+ Series

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.

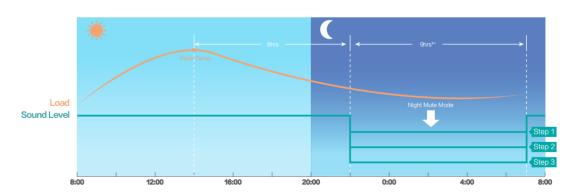




Outdoor Unit Noise Control

Night Mode

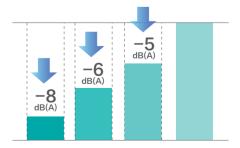
In gerneal, people are more sensitive to noise at night. Night quiet mode can be activated when necessary, and the noise can be reduced by up to 8dB(A).



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.



AIR CONDITIONING SOLUTION

Hi-Smart E+ L+ C+ Series

Multiple Protections

Inverter Protection

- O Inverter temperature protection
- Voltage protection

Compressor Protection

- Gas suction protection
- O Heater belt control
- O Start conditions limit
- Exhaust superheat protection
- Compressor ratio protection
- O High pressure rising protection
- High/low pressure protectionExhaust temperature protection
- Current protection

Three-level Protection

Alarm Code

Electric Protection

Voltage phase failure

System Protection

Subcooling protection

Ventilator pressure protection

Indoor and outdoor temperature protection

Four-way valve protection

Current protectionMotor protectionProtecting from lightning

Retry(Self-adjusting)

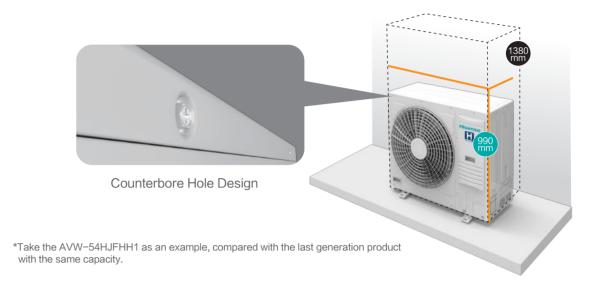


Hi-Smart E+ L+ C+ Series

Compact Size and Light Weight

The body of outdoor unit is more compact, which offers an increased degree of freedom of installation. Also thanks to its smaller body frame, a lot of unnecessary weight is removed, making transportation and installation more convenient.

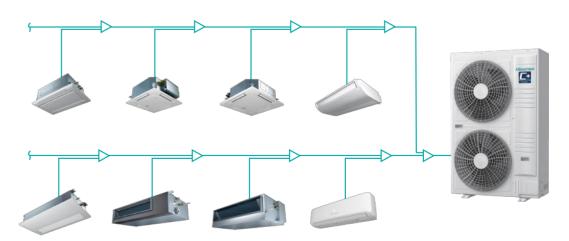
What's more, the exterior screws are designed in counterbore holes. The screw heads are on the same flat as the exterior sheet metal, which is more beautiful and fashionable.



Large Number of Connectable IDUs

Various kinds of indoor units can be chosen to cater to interior decoration. Moreover max. 19 indoor units can be connected to one outdoor unit, achieving more flexible design and reducing project cost.

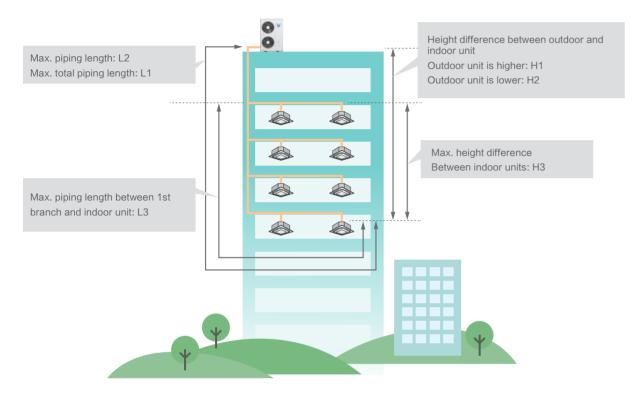
* The quantity of connectable IDUs of each outdoor unit, please refer to the specification part.



Hi-Smart E+ L+ C+ Series

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.



| Serie | es | Hi-Smart E+ | Hi-Smart L+ | Hi-Smart C+ |
|-------------------------------|---|-------------|-------------|-------------|
| Pictu | ire | | | |
| Total piping | g length L1 | 135m | 150m | 300m |
| Max. piping | g length L2 | 70m | 100m | 150m |
| Max.length between | en the first branch est indoor unit L3 | 40m | 40m | 40m |
| Height difference between ODU | ODU is higher H1 | 50m | 50m | 50m |
| and IDU | IDU is higher H2 | 40m | 40m | 40m |
| Height difference b | petween IDUs H3 | 15m | 15m | 15m |

Hi-Smart E+ Series

Outdoor Unit Specifications



| | Capacity (HP) | | 4.0 | 5.0 | 6.0 |
|--------------------------|--------------------------------|-------------------|--------------|-------------------------|--------------|
| | Model | | AVW-41HJFHH1 | AVW-48HJFHH1 | AVW-54HJFHH1 |
| | Power Supply | | | AC 1Φ, 220-240V/50/60Hz | |
| | Canacity | kW | 12.1 | 14.0 | 15.5 |
| | Capacity | Btu/h | 41500 | 48000 | 53000 |
| Cooling | Power Input | kW | 2.80 | 3.45 | 4.21 |
| | EER | W/W | 4.32 | 4.05 | 3.68 |
| | SEER | - 8.10 | | 7.70 | 7.00 |
| | Capacity | kW | 14.0 | 16.0 | 18.0 |
| | Capacity | Btu/h | 48000 | 54500 | 61500 |
| Heating | Power Input | kW | 3.18 | 4.00 | 4.50 |
| | COP | W/W | 4.40 | 4.00 | 4.00 |
| | SCOP | - | 4.75 | 4.60 | 4.45 |
| Ventilation | Air Flow Rate | m³/min | 71 | 71 | 71 |
| Sound Pressure Level | Cooling/Heating | dB(A) | 53/54 | 54/55 | 54/55 |
| Mainh | Net | kg | 88 | 89 | 90 |
| Weight | Gross | kg | 103 | 104 | 105 |
| | Height | mm | 990 | 990 | 990 |
| Outer Dimensions | Width | mm | 950 | 950 | 950 |
| | Depth | mm | 320 | 320 | 320 |
| | Height | mm | 1126 | 1126 | 1126 |
| Packing Dimensions | Width | mm | 1070 | 1070 | 1070 |
| | Depth | mm | 470 | 470 | 470 |
| C | Cabinet Color | _ | | Grayish White | |
| | _ | mm | Ф15.88 | Ф15.88 | Ф 15.88 |
| Def Dieles | Gas | in. | 5/8 | 5/8 | 5/8 |
| Ref. Piping | | mm | Φ9.53 | Φ9.53 | Φ9.53 |
| | Liquid | in. | 3/8 | 3/8 | 3/8 |
| | Туре | - | | R410A | |
| Refrigerant | Before Shipment | kg | 4.0 | 4.0 | 4.0 |
| Connectable Indoor Units | Max. Qty. | рс | 8 | 9 | 10 |
| Johneciable Indoor Units | Connection Ratio | % | 50-150 | 50-150 | 50-150 |
| | Max. Piping Length | m | 70 | 70 | 70 |
| | Total Piping Length | m | 135 | 135 | 135 |
| Piping Design | Height Difference Between | m | 40 | 40 | 40 |
| | ODU and IDU | m | 30 | 30 | 30 |
| | Height Difference Between IDUs | m | 15 | 15 | 15 |
| Oti D | Cooling | DB(℃) | | (-10*) -5 ~ 48 | |
| Operation Range | Heating | DB/WB(°C) | | -20/-20.5 ~ 26/15.5 | |

NOTES

Cooling Operation Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length : 7.5m, pipe lift: 0m Heating Operation Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C 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°C and −5°C, the cooling operation is under interval operation.

^{1.} The rated cooling and heating capacity are tested in the following conditions:

Hi-Smart L+ Series

Outdoor Unit Specifications





| | Capacity (HP) | | 4.0 | 5.0 | 6.0 | 4.0 | 5.0 | 6.0 |
|--------------------------|--------------------------------|----------|--------------|--------------------|--------------|--------------|---------------------|-------------|
| | Model | | AVW-41HJFHH2 | AVW-48HJFHH2 | AVW-54HJFHH2 | AVW-41HKFHH2 | AVW-48HKFHH2 | AVW-54HKFHH |
| | Power Supply | | AC | 1Φ, 220-240V/50/60 | OHz | A | С 3Ф, 380-415V/50/6 | 0Hz |
| | 0 | kW | 12.1 | 14.0 | 15.5 | 12.1 | 14.0 | 15.5 |
| | Capacity | Btu/h | 41500 | 48000 | 53000 | 41500 | 48000 | 53000 |
| Cooling | Power Input | kW | 2.79 | 3.43 | 4.18 | 2.79 | 3.43 | 4.18 |
| | EER | W/W | 4.33 | 4.08 | 3.71 | 4.33 | 4.08 | 3.71 |
| | SEER | _ | 8.20 | 8.10 | 8.00 | 8.20 | 8.10 | 8.00 |
| | Capacity | kW | 14.0 | 16.0 | 18.0 | 14.0 | 16.0 | 18.0 |
| | o apaony | Btu/h | 48000 | 54500 | 61500 | 48000 | 54500 | 61500 |
| Heating | Power Input | kW | 3.08 | 3.71 | 4.47 | 3.08 | 3.71 | 4.47 |
| | COP | W/W | 4.55 | 4.31 | 4.03 | 4.55 | 4.31 | 4.03 |
| | SCOP | - | 4.85 | 4.70 | 4.55 | 4.85 | 4.70 | 4.55 |
| Ventilation | Air Flow Rate | m³/min | 90 | 90 | 100 | 120 | 120 | 127 |
| Sound Pressure Level | Cooling/Heating | dB(A) | 52/55 | 52/55 | 53/56 | 52/55 | 52/55 | 53/56 |
| Weight | Net | kg | 106 | 107 | 108 | 112 | 113 | 114 |
| rroigin. | Gross | kg | 118 | 119 | 120 | 123 | 124 | 125 |
| | Height | mm | 1380 | 1380 | 1380 | 1380 | 1380 | 1380 |
| Outer Dimensions | Width | mm | 950 | 950 | 950 | 950 | 950 | 950 |
| | Depth | mm | 370 | 370 | 370 | 370 | 370 | 370 |
| | Height | mm | 1531 | 1531 | 1531 | 1531 | 1531 | 1531 |
| Packing Dimensions | Width | mm | 1070 | 1070 | 1070 | 1070 | 1070 | 1070 |
| | Depth | mm | 515 | 515 | 515 | 515 | 515 | 515 |
| (| Cabinet Color | _ | | | Grayis | sh White | | |
| | Gas | mm | Ф15.88 | Ф15.88 | Φ 15.88 | Ф 15.88 | Ф 15.88 | Ф 15.88 |
| Ref. Piping | Gas | in. | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 |
| rton riping | Liquid | mm | Φ9.53 | Ф9.53 | Φ9.53 | Φ9.53 | Φ9.53 | Φ9.53 |
| | Liquid | in. | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Refrigerant | Туре | - | | | R41 | 0A | | |
| rteingerant | Before Shipment | kg | 3.8 | 3.8 | 4.1 | 3.8 | 3.8 | 4.1 |
| Connectable Indoor Units | Max. Qty. | рс | 9 | 11 | 12 | 9 | 11 | 12 |
| | Connection Ratio | % | 50-150 | 50-150 | 50-150 | 50-150 | 50-150 | 50-150 |
| | Max. Piping Length | m | 100 | 100 | 100 | 100 | 100 | 100 |
| | Total Piping Length | m | 150 | 150 | 150 | 150 | 150 | 150 |
| Piping Design | Height Difference Between | m | 50 | 50 | 50 | 50 | 50 | 50 |
| | ODU and IDU | m | 40 | 40 | 40 | 40 | 40 | 40 |
| | Height Difference Between IDUs | m | 15 | 15 | 15 | 15 | 15 | 15 |
| Operation Range | Cooling | DB(°C) | | | (-10* |) -5 ~ 48 | | |
| o por ation mange | Heating | DB/WB(℃) | | | -20/-20. | 5 ~ 26/15.5 | | |

NOTES

Cooling Operation Conditions: indoor air inlet temperature: 27° C DB 19° C WB, outdoor air inlet temperature: 35° C DB, pipe length: 7.5m, pipe lift: 0m Heating Operation Conditions: indoor air inlet temperature: 20° C DB, outdoor air inlet temperature: 7° C DB 6° C 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° C and -5° C, the cooling operation is under interval operation.

Hi-Smart C+ Series

Outdoor Unit Specifications





| | Capacity (HP) | | 8.0 | 10.0 | 12.0 | |
|--------------------------|--------------------------------|----------|--------------|-------------------------|---------------|--|
| | Model | | AVW-76HKFHH2 | AVW-96HKFHH2 | AVW-114HKFHH2 | |
| | Power Supply | | | AC 3Φ, 380-415V/50/60Hz | | |
| | 01 | kW | 22.4 | 28.0 | 33.5 | |
| | Capacity | Btu/h | 76400 | 95500 | 114300 | |
| Cooling | Power Input | kW | 6.22 | 8.12 | 13.40 | |
| | EER | W/W | 3.60 | 3.45 | 2.50 | |
| | SEER | - | 7.00 | 7.80 | 7.55 | |
| | Capacity | kW | 25.0 | 31.5 | 37.5 | |
| | Оараску | Btu/h | 85300 | 107500 | 128000 | |
| Heating | Power Input | kW | 5.81 | 7.59 | 10.08 | |
| | COP | W/W | 4.30 | 4.15 | 3.72 | |
| | SCOP | - | 4.50 | 4.50 | 4.30 | |
| Ventilation | Air Flow Rate | m³/min | 150 | 163 | 163 | |
| Sound Pressure Level | Cooling/Heating | dB(A) | 55/58 | 56/59 | 56/59 | |
| Weight | Net | kg | 145 | 157 | 158 | |
| vveignt | Gross | kg | 161 | 174 | 175 | |
| | Height | mm | 1650 | 1650 | 1650 | |
| Outer Dimensions | Width | mm | 1100 | 1100 | 1100 | |
| | Depth | mm | 390 | 390 | 390 | |
| | Height | mm | 1806 | 1806 | 1806 | |
| Packing Dimensions | Width | mm | 1185 | 1185 | 1185 | |
| | Depth | mm | 530 | 530 | 530 | |
| C | Cabinet Color | - | | Grayish White | | |
| | • | mm | Φ22.2 | Φ25.4 | Ф25.4 | |
| D.f. Divis | Gas | in. | 7/8 | 1/1 | 1/1 | |
| Ref. Piping | | mm | Φ12.7 | Φ12.7 | Φ12.7 | |
| | Liquid | in. | 1/2 | 1/2 | 1/2 | |
| | Туре | - | | R410A | | |
| Refrigerant | Before Shipment | kg | 5.5 | 6.5 | 6.5 | |
| Cananatable ladase U.S. | Max. Qty. | рс | 15 | 18 | 19 | |
| Connectable Indoor Units | Connection Ratio | % | 50-150 | 50-150 | 50-150 | |
| | Max. Piping Length | m | 150 | 150 | 150 | |
| | Total Piping Length | m | 300 | 300 | 300 | |
| Piping Design | Height Difference Between | m | 50 | 50 | 50 | |
| | ODU and IDU | m | 40 | 40 | 40 | |
| | Height Difference Between IDUs | m | 15 | 15 | 15 | |
| 0 " 0 | Cooling | DB(℃) | | (-10*) -5 ~ 48 | | |
| Operation Range | Heating | DB/WB(℃) | | -20/-20.5 ~ 26/15.5 | | |

NOTES:

Cooling Operation Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe lift: 0m Heating Operation Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C 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°C and −5°C, the cooling operation is under interval operation

^{1.} The rated cooling and heating capacity are tested in the following conditions:

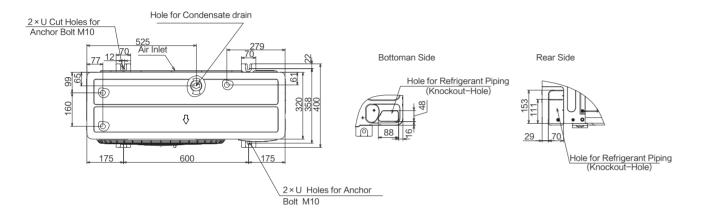
The rated cooling and heating capacity are tested in the following conditions:

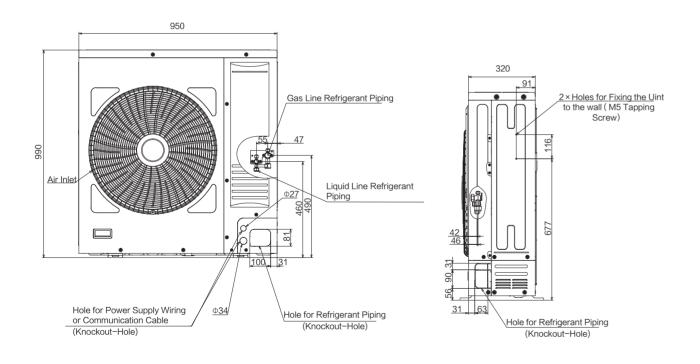
Dimensional Drawings

Dimensional Drawings

Hi-Smart E+ Series

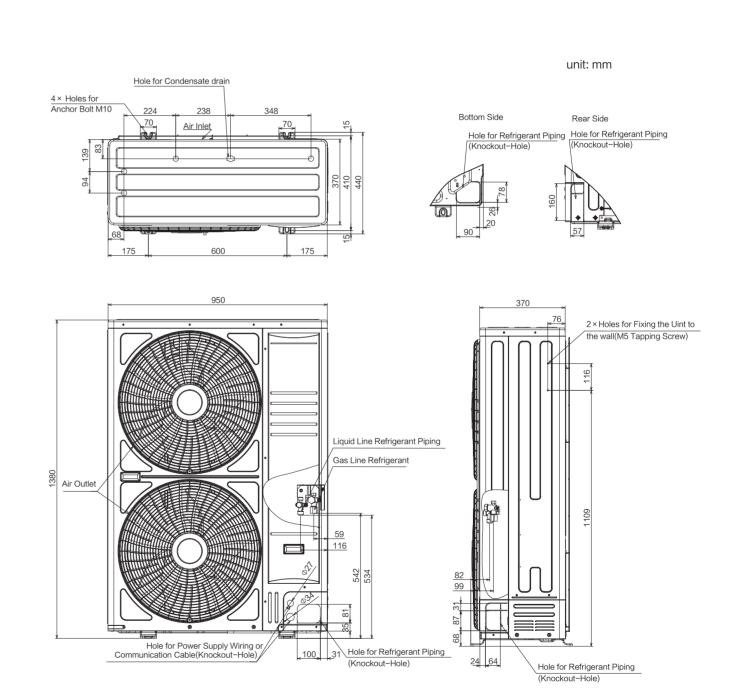
AVW-41 \sim 54HJFHH1





Hi-Smart L+ Series

AVW-41~54HJFHH2 AVW-41~54HKFHH2

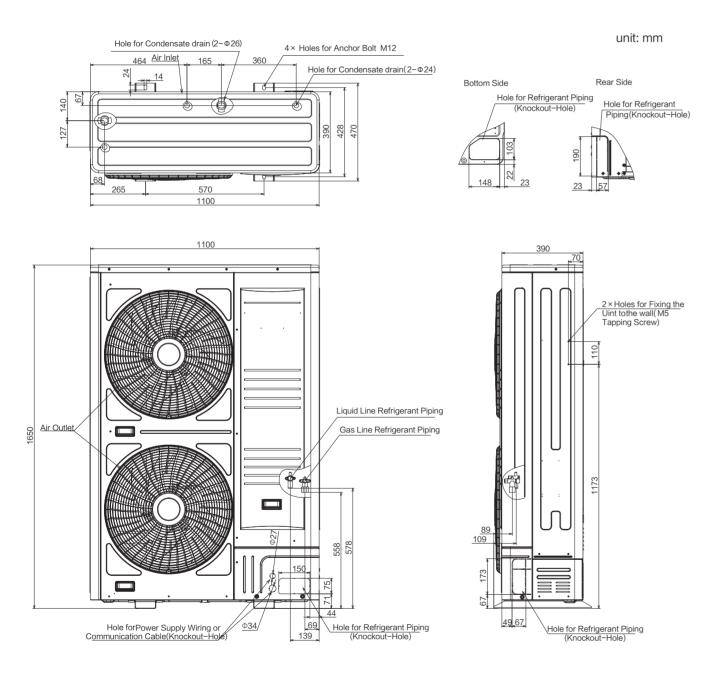


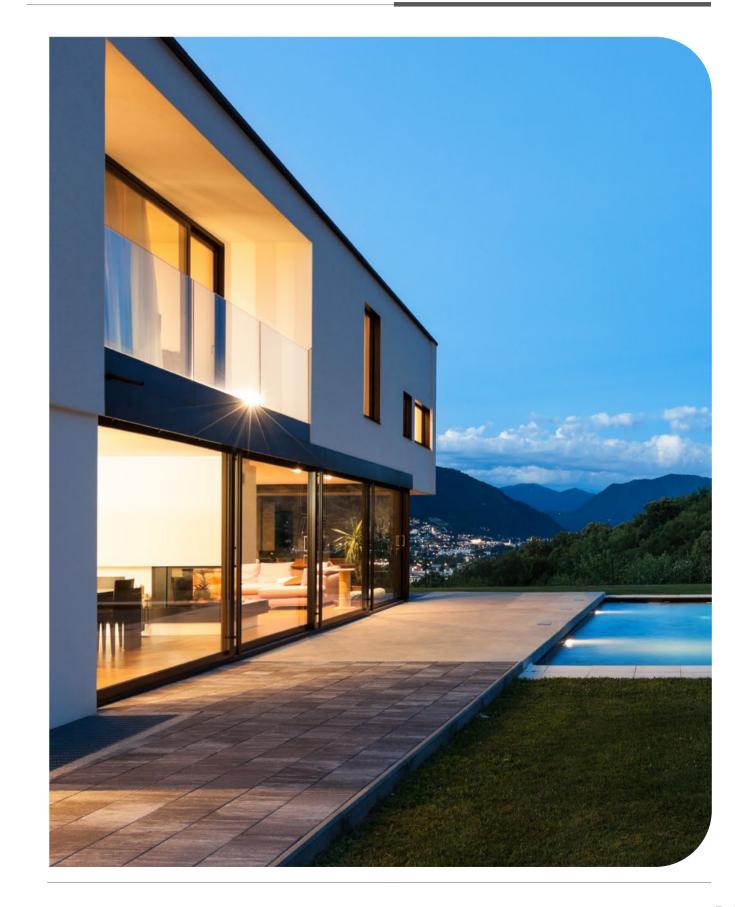
Dimensional Drawings

Hi-Smart E+ L+ C+ Series

Hi-Smart C+ Series

AVW-76 \sim 114HKFHH2





• RELIABILITY • EFFICIENCY • COMFORT • FLEXIBILITY • OUTDOOR UNIT • INDOOR UNIT • CONTROL SYSTEM • ACCESSORY AND TOOLS





Functions & Accessories

- CONTROLL OF THE CONTROL OF THE CON



850mm drainage height

Drain pump helps to smooth drainage of condensate from the indoor unit. The higher drainage height is, the safer drainage system is, especially in large systems with a large number of indoor units.



Maintenance

Š

Installation

Self-diagnosis

The self-diagnosis function in indoor units smartly determines and analyses the problems occurred, to provide troubleshooting guide. It can be displayed and tracked on controllers, and PCB of unit.



Compact size

The compact size of the indoor unit provides greater installation flexibility, especially in tight spaces.



Easy cleaning

Because of the smooth flat suirfaces, it's easy to clean with dragging cloths across on indoor units and prevents heavy dust accumulation.



Large capacity range

Indoor unit series with large capacity range offers more capacity options to closely satisfy various indoor loads



Auto restart

The indoor unit with automatic restart function will automatically restart or restore to the previous mode in the default mode after the power is cut off abnormally.



Low temperature cooling

Target temperature of indoor units can be set as low as 16°C.



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°C, which can ensure that the actual outlet temperature will never be lower than the set value.



Special Function

Wireless receiver

Indoor units compatible to an optional wireless receiver to enable remote control when an wireless control is not the standard controller of the unit



Humidity sensor (optional)

Indoor units compatible with humidity sensor accessory could access to Auto Dehumidification function on the indoor unit.



Hi-Motion (optional)

Hi-Motion or Motion sensor is an human sensor accessory which enables auto ON/OFF, auto fan and temperature setting based on human presence.



Window contact function

Linked with window sensor, IDUs will stop when the window is opened, and return to the previous status when the window is closed.



Remote control

Can be remotely controlled using a wireless controller with LCD display



Silent operation

Indoor units that offers very low sound pressure levels during operation.



Quality

Adjustable louver's position

Louver position of indoor units can be adjusted into several different angles.



Swing louver

Louvers of indoor unit automatically swings up and down to evenly distribute air across the room.



Fan speed

Selectable Fan Speeds are available.



Auto fan speed

Automatically controls rotation speed of fan depending on indoor load to achieve efficiency and comfort simultaneously.



Fresh air introduction

Fresh air can be introduced into rooms with an optional adapter or direct connection to the air return segment of the unit.



Standard

Standard filter included

As a washable long life type, the unit the filter is built in unit return air as an standard part.



Optional filter

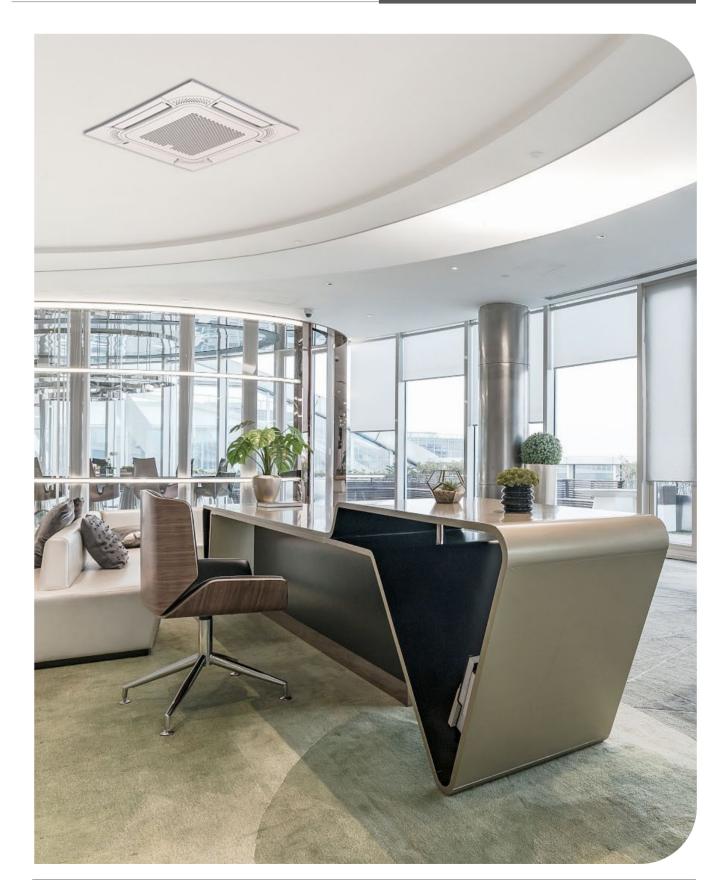
 $\mbox{\sc Aa}$ a washable long life type, the filter can be used as an option accessory.



AirPure (optional)

Achieving air purification by equipping with AirPure kit.



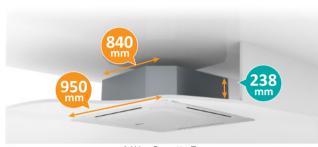


Cassette Type

Cassette Type

Compact and classy design

The 4 way cassette is slim as 238mm and mini 4-way cassette is slim with 215mm, suitable for narrow ceiling spaces. The straight return air grille are replaced with new fashion design, upgrading taste and classiness of any interior aesthetic.

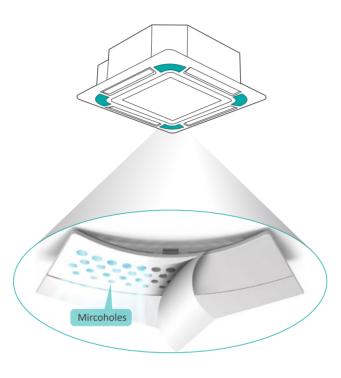




Mini 4-way Cassette Type

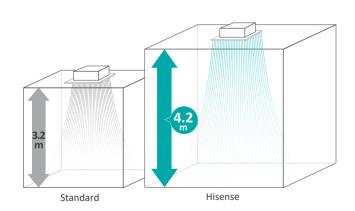
Breeze mode

In new designed breeze mode, the air is blown out from the micro whole in the panel. To avoid the cool air towards your face or body directly.



Higher range installation

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



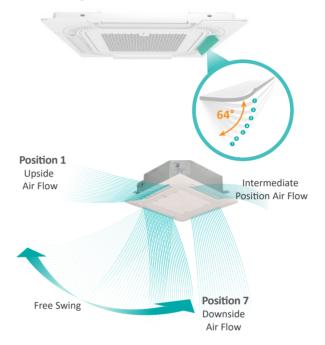
Super compact flat panel

With the ultra-thin panel installed, it only protrudes for 10 mm and perfectly integrates with the ceiling.



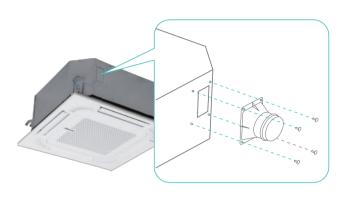
Individual louver control

4-way cassettes louvers are now capable of individual control to freely choose how you want your AC unit supplies air according to different needs, applications and installation layout. Each louvers have 7 angle settings and maximum angle reach at 64°.



Fresh air intake (optional)

In order to satisfy the fresh air intake function, the duct adapter as the optional part equips at the mini 4-way cassette type and 4-way cassette type.



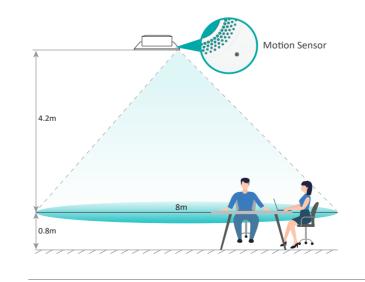
Humidity sensor(optional)

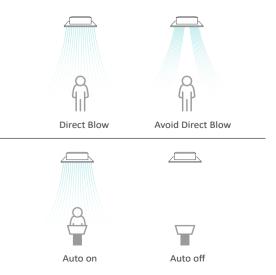
Automatic dehumidification can be achieved by choosing humidity sensor, setting humidity range from 35% to 90% .

Motion sensor (optional)

Motion Sensor can provide more comfortable to customer, and realize energy saving.

- 1) With the sensor, indoor unit can ON or OFF autometic when peole in the room or leave.
- 2) The location of people can be detected by sensor. Then the direction of the airflow can be set, to avoid people or blow directly at people.
- 3) With detect the number of people changes, the setting temperature is automatically changed.





Cassette Type



| Model | | | | AVBC-09 HJFKA | AVBC-12 HJFKA | AVBC-15 HJFKA | AVBC-19 HJFKA | AVBC-22 HJFKA | AVBC-24 HJFKA | AVBC-27 HJFKA | AVBC-30 HJFKA | AVBC-38 HJFKA | AVBC-48 HJFKA | AVBC-54 HJFKA |
|-----------------|------------------|--------|----------|---------------------------|---------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Power Supply | | | | AC 1Φ,220~240V/50Hz(60Hz) | | | | | | | | | | |
| | Caaliaa | | kW | 2.8 | 3.6 | 4.5 | 5.6 | 6.3 | 7.1 | 8.0 | 9.0 | 11.2 | 14.0 | 16.0 |
| Capacity | Cooling | | Btu/h | 9,600 | 12,300 | 15,400 | 19,100 | 21,500 | 24,200 | 27,300 | 30,700 | 38,200 | 47,800 | 54,600 |
| cupacity | Hastina | | kW | 3.2 | 4.0 | 5.0 | 6.3 | 7.1 | 8.0 | 9.0 | 10.0 | 12.5 | 16.0 | 18.0 |
| | Heating | | Btu/h | 9,900 | 13,600 | 17,100 | 21,500 | 24,200 | 27,300 | 30,700 | 34,100 | 42,700 | 54,600 | 61,400 |
| Power Input | Cooling | | W | 14 | 24 | 24 | 34 | 54 | 64 | 54 | 54 | 124 | 124 | 124 |
| | Heating | | W | 14 | 24 | 24 | 34 | 54 | 64 | 54 | 54 | 124 | 124 | 124 |
| Sound Pressur | ·e | | dB(A) | 30/28/28/ | 32/29/29/ | 33/31/29/ | 34/31/30/ | 36/33/32/ | 36/33/32/ | 37/36/35/ | 37/36/35/ | 42/40/38/ | 46/44/40/ | 46/44/41/ |
| Journa i ressur | C | | ub(A) | 27/26/26 | 28/27/26 | 29/27/26 | 28/28/26 | 31/29/28 | 31/29/28 | 33/31/30 | 33/31/30 | 36/34/33 | 38/36/34 | 40/38/36 |
| | | | | 15.0/13.4/ | 17.0/14.0/ | 21.0/16.0/ | 20.0/17.5/ | 26.0/20.0/ | 27.0/21.0/ | 27.0/22.0/ | 27.0/23.0/ | 37.0/30.0/ | 37.0/33.5/ | 37.0/34.0/ |
| Airflow Rate | | | m³/min | 12.0/10.8/ | 12.8/11.8/ | 14.9/13.6/ | 15.9/15.5/ | 18.3/17.0/ | 19.1/18.0/ | 20.3/18.7/ | 20.7/19.6/ | 27.4/24.8/ | 29.6/27.2/ | 30.7/28.9/ |
| | | | 10.0/8.8 | 10.8/9.1 | 12.7/11.2 | 13.6/12.5 | 15.1/13.0 | 16.3/14.7 | 16.8/15.4 | 17.7/16.1 | 22.4/19.6 | 24.5/22.4 | 25.6/23.8 | |
| | Connection Type | | - | | Flare-nut Connection(with Flare Nuts) | | | | | | | | | |
| | Liquid | mm | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | Ф9.53 | Ф9.53 | Ф9.53 | Ф9.53 | Ф9.53 | Ф9.53 | |
| Piping | Liquiu | Liquiu | | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| | Gas | | mm | Ф12.7 | Ф12.7 | Ф12.7 | Ф12.7 | Ф12.7 | Ф15.88 | Ф15.88 | Ф15.88 | Ф15.88 | Ф15.88 | Ф15.88 |
| | | | 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 | n | mm | | O.D.32 | | | | | | | | | |
| Weight | Net Weight | | kg | 20 | 20 | 21 | 21 | 23 | 23 | 26 | 26 | 26 | 26 | 26 |
| Ü | Gross Weight | | kg | 24 | 24 | 25 | 25 | 27 | 27 | 31 | 31 | 31 | 31 | 31 |
| | | Н | mm | 238 | 238 | 238 | 238 | 238 | 238 | 288 | 288 | 288 | 288 | 288 |
| Dimensions | External | 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 |
| | Model | | - | HP-G-NK | HP-G-NK | HP-G-NK | HP-G-NK | HP-G-NK | HP-G-NK | HP-G-NK | HP-G-NK | HP-G-NK | HP-G-NK | HP-G-NK |
| | Panel Colour | | - | | | | | | Neutral White | | | | | |
| Decoration | Body | Н | mm | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| Panel | Dimensions | 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 |
| | 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 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

NOTES

- 1. The nominal cooling capacity and heating capacity are based on 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)
 Piping Length:7.5 Meters Piping Lift:0 Meter
 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)
- The sound pressure level is based on following conditions: 1.5m beneath the unit.
 The above data was mesaured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
- 3. For height of ceiling, the model 09~24 should not exceed 2.7m; the model 27~54 should not exceed 3.2m. If the height exceeds the limit, it may be achieved through the function setting by wired controller. For details, please contact local technical engineer.

Cassette Type



| Model | | | | AVC-05HJFA | AVC-07HJFA | AVC-09HJFA | AVC-12HJFA | AVC-15HJFA | AVC-17HJFA | AVC-19HJFA | | | |
|---------------|---------------------|--------|--------|--------------------------|---------------------------------------|-----------------|-----------------|-----------------|------------------|-------------------|--|--|--|
| Power Supply | | | | AC 10,220~240V/50Hz/60Hz | | | | | | | | | |
| | C. die | | kW | 1.5 | 2.2 | 2.8 | 3.6 | 4.5 | 5.0 | 5.6 | | | |
| Capacity | Cooling | | Btu/h | 5,100 | 7,480 | 9,520 | 12,240 | 15,300 | 17,000 | 19,040 | | | |
| Сарасіту | | | kW | 2.0 | 2.5 | 3.3 | 4.2 | 5.0 | 5.6 | 6.3 | | | |
| | Heating | eating | | 6,800 | 8,500 | 11,220 | 14,280 | 17,000 | 19,040 | 21,420 | | | |
| Power Input | Cooling | | W | 14 | 14 | 14 | 16 | 22 | 30 | 40 | | | |
| rower input | Heating | | W | 14 | 14 | 14 | 16 | 22 | 30 | 40 | | | |
| Sound Pressur | re | | 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 | | | |
| Airflow Rate | | | m³/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 | 8.2/7.2/6.5/5.8 | 9.3/8.7/7.1/6.7 | 11.0/9.5/8.7/7.1 | 12.5/10.8/9.3/8.0 | | | |
| | Connection Type | | - | | Flare-nut Connection(with Flare Nuts) | | | | | | | | |
| | | | mm | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | | | |
| Piping | Liquid | | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | | | |
| Libing | | | mm | Ф12.7 | Ф12.7 | Ф12.7 | Ф12.7 | Ф12.7 | Ф12.7 | Ф12.7 | | | |
| | Gas | | inch | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | | | |
| | Condensate Drain mm | | | | | O.D.32 | | | | | | | |
| | Net Weight | | kg | 14.5 | 14.5 | 14.8 | 14.8 | 15.8 | 15.8 | 15.8 | | | |
| Weight | Gross Weight | | kg | 17.3 | 17.3 | 17.6 | 17.6 | 18.6 | 18.6 | 18.6 | | | |
| | | Н | mm | 215 | 215 | 215 | 215 | 215 | 215 | 215 | | | |
| Dimensions | External | W | mm | 570 | 570 | 570 | 570 | 570 | 570 | 570 | | | |
| | | D | mm | 570 | 570 | 570 | 570 | 570 | 570 | 570 | | | |
| | Model | | - | HPE-D-NK | HPE-D-NK | HPE-D-NK | HPE-D-NK | HPE-D-NK | HPE-D-NK | HPE-D-NK | | | |
| | Panel Colour | | - | | | | Neutral White | | | | | | |
| Decoration | | Н | mm | 37 | 37 | 37 | 37 | 37 | 37 | 37 | | | |
| Panel | Body Dimensions | W | mm | 620 | 620 | 620 | 620 | 620 | 620 | 620 | | | |
| | STerisions | D | mm | 620 | 620 | 620 | 620 | 620 | 620 | 620 | | | |
| | Net Weight | | kg | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | | | |
| | Gross Weight | | kg | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | | | |

NOTES:

- 1. The nominal cooling capacity and heating capacity are based on 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)
 Piping Length:7.5 Meters Piping Lift:0 Meter
 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)
- The sound pressure level is based on following conditions: 1.5m beneath the unit.
 The above data was mesaured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
- 3. For height of ceiling, the model 05~19 should not exceed 2.7m. If the height exceeds the limit, it may be achieved through the function setting by wired controller. For details, please contact local technical engineer.

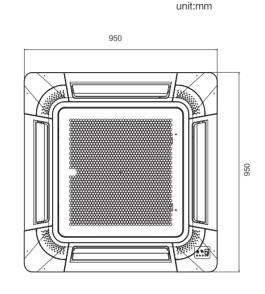
Dimensional Drawings

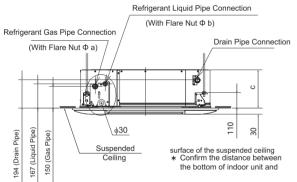
Dimensional Drawings

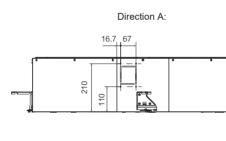
4-Way Cassette Type (AVBC)

AVBC-09~54HJFKA

(Opening in Ceiling)
860~910
20
840
4-12 x 32 Holes
(for Suspension Bolt)
(for Suspension Bolt)
(for Suspension Bolt)
(Sas Pipe and Liquid Pipe)
(Drain Pipe)
Suspension Bolts M10 or W3/8
(Field-Supplied)





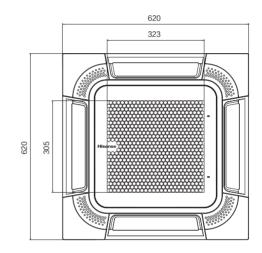


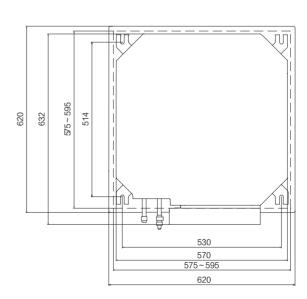
| | | | unit:mm |
|--------------|-------|------|---------|
| Model | а | b | С |
| AVBC-09HJFKA | | | |
| AVBC-12HJFKA | | | |
| AVBC-15HJFKA | 12.7 | 6.35 | 260 |
| AVBC-19HJFKA | | | |
| AVBC-22HJFKA | | | |
| AVBC-24HJFKA | 15.88 | 9.53 | 260 |
| AVBC-27HJFKA | | | |
| AVBC-30HJFKA | | | |
| AVBC-38HJFKA | 15.88 | 9.53 | 310 |
| AVBC-48HJFKA | | | |
| AVBC-54HJFKA | | | |

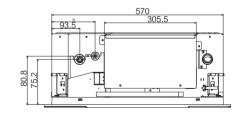
Mini 4-Way Cassette Type (AVC)

AVC-05~19HJFA

unit:mm







AIR CONDITIONING SOLUTION

1-Way Cassette Type

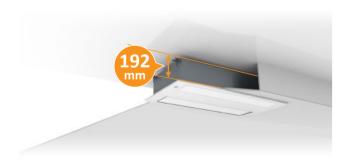
Modern classic style panel

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.



Space saving

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



3D 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.



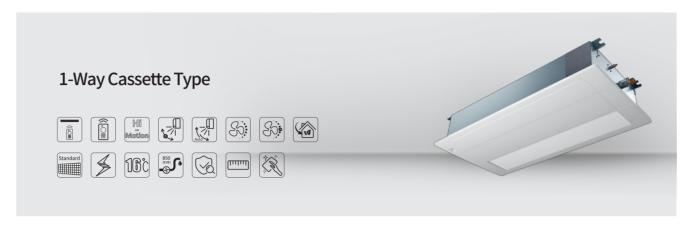
Easier maintain

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.



1-Way Cassette Type

Reimagine your solution



| Model | | | | AVY-07UXJSJA | AVY-09UXJSJA | AVY-12UXJSJA | AVY-14UXJSJA | AVY-18UXJSKA | AVY-24UXJSKA | | |
|---------------------|--------------------|---|-------------|-------------------|-------------------|--------------------|---------------------|-------------------|-------------------|--|--|
| Power Supply | | | | | | AC 1Φ,220~24 | 0V/50Hz/60Hz | | | | |
| | C. din - | | kW | 2.2 | 2.8 | 3.6 | 4.0 | 5.6 | 7.1 | | |
| Capacity | Cooling | | Btu/h | 7,500 | 9,600 | 12,300 | 13,600 | 19,100 | 24,200 | | |
| Сарасіту | | | kW | 2.5 | 3.2 | 4.0 | 4.5 | 6.3 | 8.0 | | |
| | Heating | | Btu/h | 8,500 | 10,900 | 13,600 | 15,400 | 21,500 | 27,300 | | |
| Power Input | Cooling | | W | 14 | 14 | 24 | 34 | 34 | 74 | | |
| 1 Ower Imput | Heating | | W | 14 | 24 | 34 | 44 | 44 | 94 | | |
| Sound Pressu | re | | 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 | | | m³/min | 6.2/5.9/5.6/ | 6.6/6.2/5.6/ | 8.3/7.3/6.8/ | 8.3/7.3/6.8/ | 12.1/9.9/8.8/ | 15.6/12.6/11.2/ | | |
| All IIOW Nate | | | 111 /111111 | 5.1/4.8/4.6 | 5.1/4.8/4.6 | 6.2/5.6/5.1 | 6.2/5.6/5.1 | 8.2/7.8/6.6 | 9.9/8.4/7.1 | | |
| | Connection Type | | - | | | Flare-nut Connecti | on(with Flare Nuts) | | | | |
| | Liquid | | mm | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | Ф9.53 | | |
| Piping | | | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3/8 | | |
| тршб | | | mm | Ф12.7 | Ф12.7 | Ф12.7 | Ф12.7 | Ф15.88 | Ф15.88 | | |
| | Gas | | inch | 1/2 | 1/2 | 1/2 | 1/2 | 5/8 | 5/8 | | |
| | Condensate Drain | ı | mm | I.D.32 | | | | | | | |
| \\/-:=b+ | Net Weight | | kg | 19 | 19 | 20 | 20 | 24 | 24 | | |
| Weight | Gross Weight | | kg | 23 | 23 | 24 | 24 | 29 | 29 | | |
| | | Н | mm | 192 | 192 | 192 | 192 | 192 | 192 | | |
| Dimensions | External | W | mm | 910 | 910 | 910 | 910 | 1180 | 1180 | | |
| | | D | mm | 470 | 470 | 470 | 470 | 470 | 470 | | |
| | Model | | - | HP-D-NA | HP-D-NA | HP-D-NA | HP-D-NA | HP-E-NA | HP-E-NA | | |
| | Panel Colour | | - | | | Neutra | l White | | | | |
| _ | | Н | mm | 55 | 55 | 55 | 55 | 55 | 55 | | |
| Decoration Panel | Body Dimensions | W | mm | 1100 | 1100 | 1100 | 1100 | 1370 | 1370 | | |
| 2.101 | 2 | D | mm | 550 | 550 | 550 | 550 | 550 | 550 | | |
| | Net Weight | | kg | 5 | 5 | 5 | 5 | 6 | 6 | | |
| | Gross Weight | | kg | 8 | 8 | 8 | 8 | 10 | 10 | | |

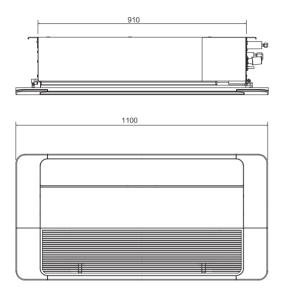
NOTES:

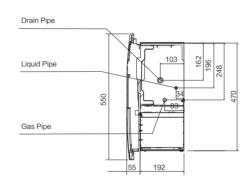
- The nominal cooling capacity is based on the following conditions:
 Indoor Air Inlet Temperature: 27°C DB (80°F DB), 19.0°C WB(66.2°F WB)
 Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
 Piping Length: 7.5 Meters Piping Lift: 0 Meter
- 2. The sound pressure level is based on following conditions.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

Dimensional Drawings

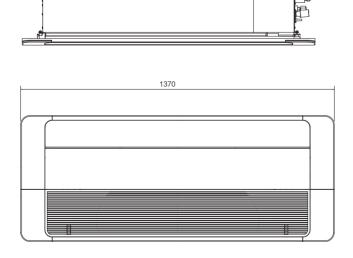
1-Way Cassette Type (AVY)

AVY-07~14UXJSJA

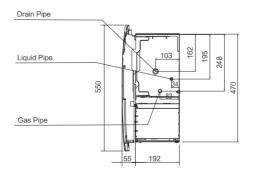




AVY-18~24UXJSKA



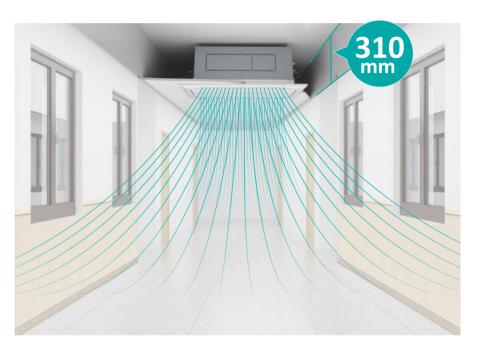
1100



2-Way Cassette Type

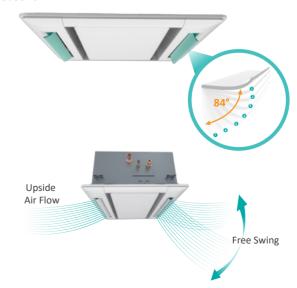
Compact and classy design

The slim structure of the cassette having height as low as 298mm can be installed in ceiling spaces with a minimum of 310mm. Narrow corridors or zoned spaces are best fitted with 2 way cassette due to its compact design having 1.42m.



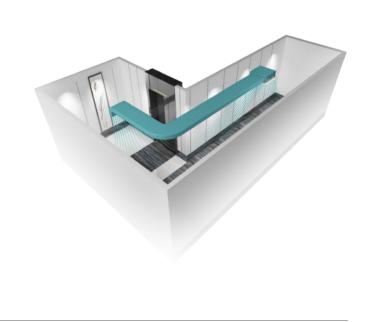
Individual louver control

Each louver's opening angles can be controlled individually, with total of 7 opening angle from 27° to 84°. It can meet the requirement of narrow corridors with heigh ceiling, and supply the warm air supply during winter seasons.



Branch discharge option

For the irregular room, branch discharge can extend air distribution area to the special corners without additional indoor units.



2-Way Cassette Type



| 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 | | | | | | | | АС 1Ф,2 | 220~240V/50 | Hz/60Hz | | | | |
| | Carallia - | | kW | 2.2 | 2.8 | 3.6 | 4.3 | 5.6 | 7.1 | 8.4 | 9.0 | 11.2 | 14.0 | 16.0 |
| Capacity | Cooling | | Btu/h | 7,500 | 9,600 | 12,300 | 14,700 | 19,100 | 24,200 | 28,700 | 30,700 | 38,200 | 47,800 | 54,600 |
| Сараспу | | | kW | 2.8 | 3.3 | 4.0 | 4.9 | 6.5 | 8.0 | 9.0 | 10.0 | 13.0 | 16.0 | 18.0 |
| | Heating | | 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 |
| rower input | Heating | | W | 14 | 14 | 14 | 24 | 34 | 44 | 64 | 74 | 84 | 104 | 114 |
| Sound Pressur | P | | dB(A) | 32/30/ | 33/30/ | 34/31/ | 40/37/ | 42/39/ | 45/42/ | 47/44/ | 49/46/ | 46/44/ | 48/45/ | 49/46/ |
| Journa i ressur | _ | | ub(A) | 29/27 | 29/28 | 30/28 | 34/32 | 36/33 | 40/36 | 40/36 | 42/37 | 40/38 | 42/38 | 43/40 |
| Airflow Rate | | | m³/min | 10.0/8.5/ | 11.0/9.4/ | 12.0/10.5/ | 15.0/13.2/ | 17.0/14.9/ | 19.0/16.4/ | 21.0/18.4/ | 22.0/19.3/ | 30.0/26.4/ | 35.0/30.8/ | 37.0/32.5/ |
| All HOW Nate | | | 111 /111111 | 7.2/6.0 | 8.2/6.6 | 8.9/7.5 | 11.5/9.9 | 13.0/11.2 | 14.3/12.3 | 15.6/12.6 | 16.3/13.1 | 23.1/19.8 | 26.9/21.1 | 28.4/24.1 |
| Connection Type - | | | | | | | | Flare-nut Co | nnection(wit | h Flare Nuts) | | | | |
| | Liquid mm inch | | mm | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | Ф9.53 | Ф9.53 | Ф9.53 | Ф9.53 | Ф9.53 | Ф9.53 |
| Piping | | | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| ı ıbıııP | Gas | | mm | Ф12.7 | Ф12.7 | Ф12.7 | Ф12.7 | Ф15.88 |
| | | | inch | 1/2 | 1/2 | 1/2 | 1/2 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 |
| | Condensate Drain | ı | mm | | | | | | I.D.32 | | | | | |
| Weight | Net Weight | | kg | 22 | 22 | 22 | 24 | 24 | 24 | 24 | 24 | 39 | 39 | 39 |
| weight | Gross Weight | | kg | 28 | 28 | 28 | 30 | 30 | 30 | 30 | 30 | 47 | 47 | 47 |
| | | Н | mm | 298 | 298 | 298 | 298 | 298 | 298 | 298 | 298 | 298 | 298 | 298 |
| Dimensions | External | 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 |
| | Model | | - | HP-C-NA | HP-F-NA | HP-F-NA | HP-F-NA |
| | Panel Colour | | - | | | | | ı | Neutral Whit | е | | | | |
| Decoration | Pody | Н | mm | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Panel | Body Dimensions | 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 |
| | 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 |

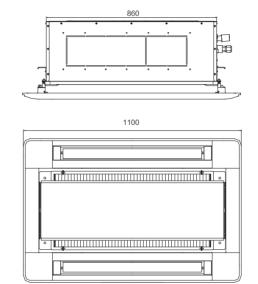
NOTES:

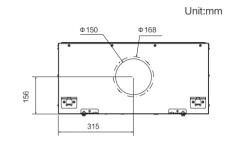
- The nominal cooling capacity is based on the following conditions:
 Indoor Air Inlet Temperature: 27°C DB (80°F DB), 19.0°C WB(66.2°F WB)
 Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
 Piping Length: 7.5 Meters Piping Lift: 0 Meter
- The sound pressure level is based on the following conditions: 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.

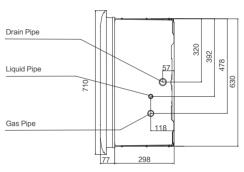
Dimensional Drawings

2-Way Cassette Type (AVL)

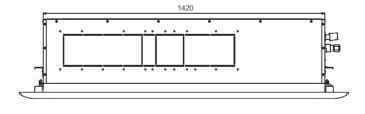
AVL-07~30UXJSGA

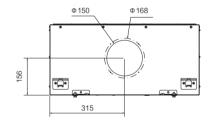


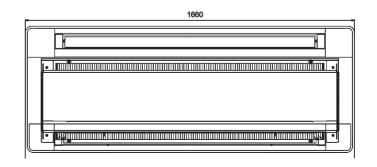


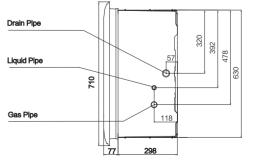


AVL-38~54UXJSHA









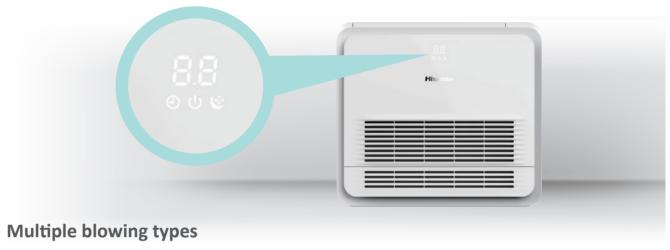
Console Type



Console Type

Stylish design

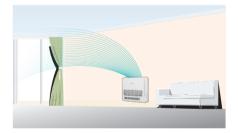
With smooth white cover, LED shown and temperature display, the console unit is an super stylish air-conitioning. Suitable for the residential or commercial applications which need an unit installed on or close to the floor.



Cooling Mode

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





*Note: The air deflector of the console type cannot be adjusted manually. After one hour of cooling or dehumidifying operation, if the wind speed detected by the machine is the last two speeds of 6 speeds, the lower louver will automatically close, and then only the upper louver is running.

Heating Mode

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





*Note: The air deflector of the console type cannot be adjusted manually. In heating mode, if the energy-saving mode is selected, the temperature difference between the setting temperature and the indoor ambient temperature is less than 1 $^{\circ}$ C(Ts-Ti <1 $^{\circ}$ C), or IDU enters thermo off state, the upper louver will be automatically closed, and then only the lower louver is running.

Console Type

Flexible installation options

The unit can stand directly on the floor, or hanging on the wall.

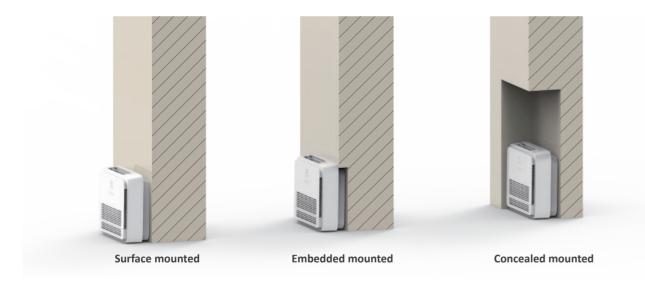
According to the interior decoration style, the machine can choose surface mounted, flush mounted, concealed mounted.



Standing on the floor

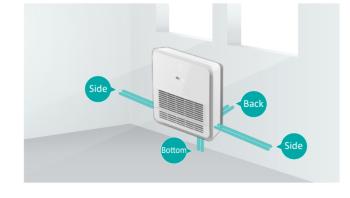


Hanging on the wall



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 Type



| Model | | | | AVK-05HJFCAA | AVK-07HJFCAA | AVK-09HJFCAA | AVK-12HJFCAA | AVK-15HJFCAA | AVK-17HJFCAA |
|---------------|------------------|---|--------|-------------------|-------------------|--------------------|---------------------|-------------------|-------------------|
| Power Supply | | | | | | AC 1Φ,220V~2 | 40V/50Hz/60Hz | | |
| | | | kW | 1.5 | 2.2 | 2.8 | 3.6 | 4.5 | 5.0 |
| Capacity | Cooling | | Btu/h | 5,100 | 7,500 | 9,600 | 12,300 | 15,300 | 17,100 |
| Capacity | | | kW | 2.0 | 2.5 | 3.3 | 4.2 | 5.0 | 5.6 |
| | Heating | | Btu/h | 6,800 | 8,500 | 11,200 | 14,300 | 17,000 | 19,100 |
| Power Input | Cooling | | W | 10 | 11 | 12 | 14 | 18 | 23 |
| rower input | Heating | | W | 10 | 11 | 12 | 14 | 18 | 23 |
| Sound Pressur | re | | 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 |
| 4: a . b . | | | 3/ - | 6.0/5.7/5.3/ | 7.4/7.0/6.4/ | 8.0/7.4/7.0/ | 8.2/7.6/6.8/ | 9.0/8.5/7.8/ | 10.1/9.7/9.0/ |
| Airflow Rate | | | m³/min | 5.1/4.7/4.5 | 6.0/5.6/5.3 | 6.4/6.0/5.6 | 6.2/5.7/5.3 | 7.2/6.6/6.4 | 8.5/7.9/7.3 |
| Panel Colour | | | - | Pure White | Pure White | Pure White | Pure White | Pure White | Pure White |
| | Connection Type | | - | | | Flare-nut Connecti | on(with Flare Nuts) | | |
| | Carried . | | mm | Ф 6.35 | Ф 6.35 | Ф 6.35 | Ф 6.35 | Ф 6.35 | Ф 6.35 |
| Dining | Liquid | | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Piping | | | mm | Ф 12.7 | Ф 12.7 | Ф 12.7 | Ф 12.7 | Ф 12.7 | Ф 12.7 |
| | Gas | | inch | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| | Condensate Drain | | mm | | | 0.0 | 0.18 | | |
| Woight | Net Weight | | kg | 16.1 | 16.1 | 16.1 | 17.4 | 17.4 | 17.4 |
| Weight | Gross Weight | | kg | 20.6 | 21.1 | 21.1 | 21.5 | 21.5 | 21.5 |
| | | Н | mm | 630 | 630 | 630 | 630 | 630 | 630 |
| Dimensions | External W | W | mm | 700 | 700 | 700 | 700 | 700 | 700 |
| | | D | mm | 225 | 225 | 225 | 225 | 225 | 225 |

NOTES:

- 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)
 Piping Length: 7.5 Meters Piping Lift: 0 Meter
 Heating Operation Conditions
 Indoor Air Inlet Temperature: 20°C DB(68°F DB).
 - Outdoor 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)
- 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:



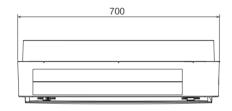
Dimensional Drawings

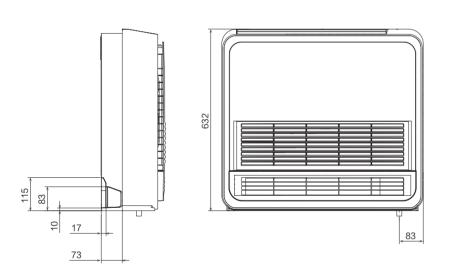
Console Type

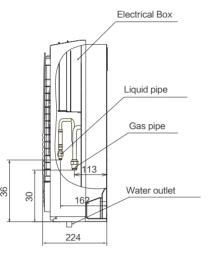
Console Type (AVK)

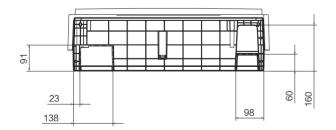
AVK-05~17HJFCAA

unit: mm





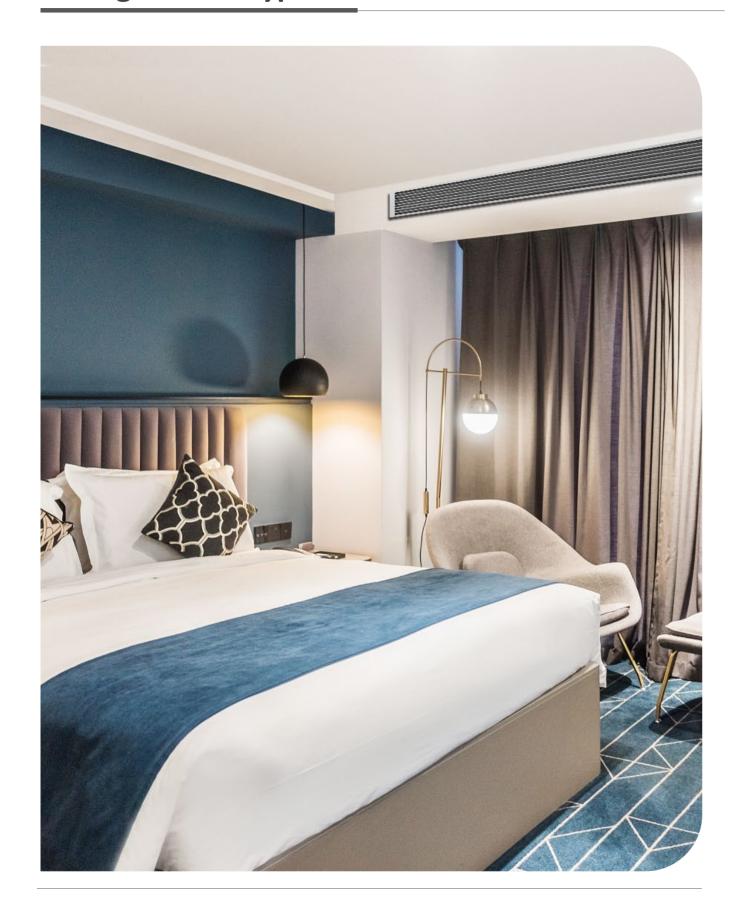






AIR CONDITIONING SOLUTION

Ceiling Ducted Type



Ceiling Ducted Type

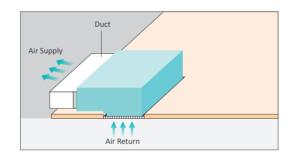
Space saving

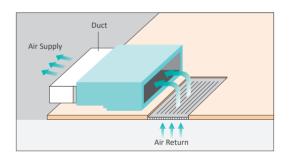
Concealed Low Height Ducted unit is as slim as 192mm, and the width can below until 770mm, which fitting to the narrowest ceiling spaces. Save ceiling spaces for higher room height.

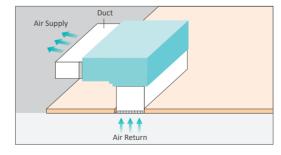


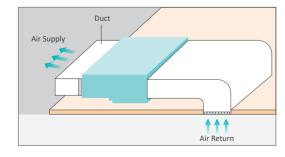
Flexible air supply and return

Air from indoor units can be discharged directly with louvers(*1 3D Airflow Panel is recommended) or by duct connections. Whereas ducted or ceiling return air from rear or bottom of the indoor unit is also possible*2, when ceiling areas are very limited.









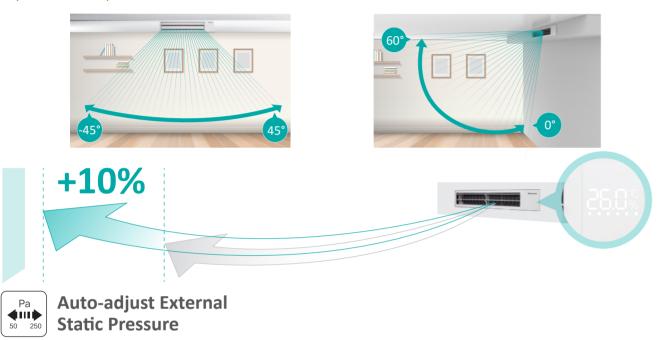
^{*1: 3}D Airflow Panel is an optional accessory only for Low Height Ducted Unit. For more information please refer to (Accessory:3D Air-flow Panel)

^{*2:} Removing and replacing the factory installed metal panels may impose to higher sound pressure level by 3 to 4dB(A).

Ceiling Ducted Type

3D-airflow

The 3D airflow panel is an accessory for ceiling ducted unit, with LED temperature and humidity display. With the horizontal louver and vertical louver, the panel can offer wide air flow coverage to keep every corners of your room cool or warm in any seasons of the year.



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,





Thanks to the Cold Wind Limit Setting function, the lowest limit of the outlet air temperature can be set in the range of $10^{\sim}16^{\circ}$ C, 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.



50Pa and 250Pa.

Auto-adiust

High ESP



the system can automatically select the most appropriate

ESP value according to the actual duct resistance, between

Ceiling Ducted Type

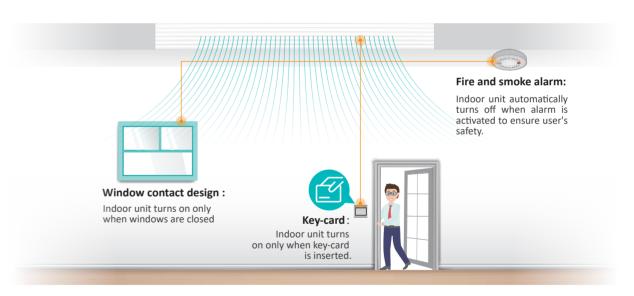
New improved bendable filters

Standard filters that comes with Low Height Ducted Units are now improved to be bendable by improving the material's 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.



Filter options for different requirements

| Filter model | Descriptions |
|--------------------------------------|--|
| HFB-96LFGDE | Dedicated filter box |
| HF-96HFGDE | High-efficiency filter with filter level ePM10 55% |
| HF-96LFGDE | Coarse filter |
| HF-224L-FE | Coarse filter |
| HF-280L-FE | Coarse filter |
| KW-PP1Q, KW-PP2Q,KW-PP3Q#E,KW-PP4Q#E | Coarse filter |

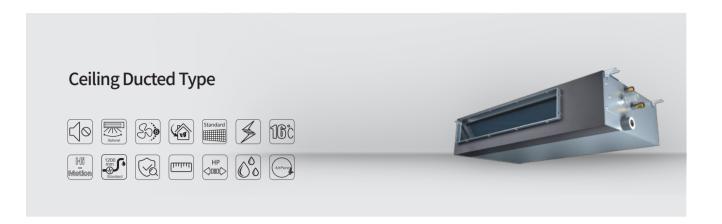
Note:

When using HF-96HFGDE and HF-96LFGDE, the dedicated filter box is also required. The convenient coarse filter HF-280L-FE can be used separately

When using the high-efficiency filter, it is recommended to install the coarse filter together

The details of available models for these filters can be found in the accessaries tables at the page 189.

Ceiling Ducted Type



| Model | | | AVE-05HJFDL | AVE-07HJFDL | AVE-09HJFDL | AVE-12HJFDL | AVE-15HJFDL | AVE-17HJFDL | AVE-19HJFDL | AVE-22HJFDL | AVE-24HJFDL | | | | |
|----------------|------------------|--------|--------------|---------------------------------------|--------------|--------------|--------------|--------------|-----------------|---------------|---------------|--|--|--|--|
| Power Supply | ′ | | | | | АС 1Ф, | 220V~240V/50 | Hz/60Hz | | | | | | | |
| | 0 ! | kW | 1.7 | 2.2 | 2.8 | 3.6 | 4.5 | 5.0 | 5.6 | 6.3 | 7.1 | | | | |
| Capacity | Cooling | Btu/h | 5,800 | 7,500 | 9,600 | 12,300 | 15,300 | 17,100 | 19,100 | 21,500 | 24,200 | | | | |
| Capacity | | kW | 1.9 | 2.5 | 3.2 | 4.0 | 5.0 | 5.6 | 6.3 | 7.1 | 8.0 | | | | |
| | Heating | Btu/h | 6,500 | 8,500 | 11,300 | 13,600 | 17,100 | 19,100 | 21,500 | 24,200 | 27,300 | | | | |
| Power Input | Cooling | W | 30 | 30 | 50 | 50 | 60 | 60 | 60 | 90 | 90 | | | | |
| rowei iliput | Heating | W | 30 | 30 | 50 | 50 | 60 | 60 | 60 | 90 | 90 | | | | |
| Sound Pressu | ıro. | dB(A) | 28/27/26/ | 28/27/26/ | 35/32/32/ | 35/32/32/ | 35/32/32/ | 35/32/32/ | 35/32/30/ | 38/36/35/ | 38/36/35/ | | | | |
| Journa Fressu | ii e | UB(A) | 24/23/21 | 24/23/21 | 30/26/23 | 30/26/23 | 30/26/23 | 30/26/23 | 28/25/23 | 33/31/24 | 33/31/24 | | | | |
| Airflaw Data | irflow Rate m³/n | | 7.0/6.5/6.1/ | 7.0/6.5/6.1/ | 9.0/8.1/7.3/ | 9.0/8.1/7.3/ | 12/10.8/9.4/ | 12/10.8/9.4/ | 13.5/12.5/11.2/ | 18/16.1/14.3/ | 18/16.1/14.3/ | | | | |
| AITHOW Rate | | m³/min | 5.7/5.3/4.8 | 5.7/5.3/4.8 | 6.7/5.9/5.2 | 6.7/5.9/5.2 | 8.1/6.8/5.5 | 8.1/6.8/5.5 | 10.0/8.8/7.7 | 12.3/10.5/8.7 | 12.3/10.5/8.7 | | | | |
| External Stati | c Pressure | Pa | 10(10-30-50) | 10(10-30-50) | 10(10-30-50) | 10(10-30-50) | 10(10-30-50) | 10(10-30-50) | 10(10-30-50) | 10(10-30-50) | 10(10-30-50) | | | | |
| | Connection Type | - | | Flare-nut Connection(with Flare Nuts) | | | | | | | | | | | |
| | | mm | Φ 6.35 | Ф 6.35 | Ф 6.35 | Ф 6.35 | Ф 6.35 | Ф 6.35 | Ф 6.35 | Ф 9.53 | Ф 9.53 | | | | |
| D: : | Liquid | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 | | | | |
| Piping | | mm | Ф 12.70 | Ф 12.70 | Ф 12.70 | Ф 12.70 | Ф 12.70 | Ф 12.70 | Ф 15.88 | Ф 15.88 | Ф 15.88 | | | | |
| | Gas | inch | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5/8 | 5/8 | 5/8 | | | | |
| | Condensate Drain | mm | | | | | I.D.32 | | | | | | | | |
| Weight | Net Weight | kg | 16 | 16 | 17 | 17 | 20 | 20 | 24 | 24 | 24 | | | | |
| weight | Gross Weight | kg | 19 | 19 | 20 | 20 | 24 | 24 | 29 | 29 | 29 | | | | |
| | | H mm | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | | | | |
| Dimensions | External | W mm | 700 | 700 | 700 | 700 | 910 | 910 | 1180 | 1180 | 1180 | | | | |
| | | D mm | 447 | 447 | 447 | 447 | 447 | 447 | 447 | 447 | 447 | | | | |

- 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)
- Piping Length: 7.5 Meters Piping Lift: 0 Meter

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)

2. The sound pressure level is based on the following conditions: 1.5m beneath the unit. The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

Ceiling Ducted Type



| Model | | | | AVD-07 UXCSAH | AVD-09 UXCSAH | AVD-12 UXCSAH | AVD-14 UXCSAH | AVD-17 UXCSBH | AVD-18 UXCSBH | AVD-22 UXCSBH | AVD-24 UXCSBH | AVD-27 UXCSCH | AVD-30 UXCSCH | AVD-38 UXCSCH | AVD-48 UXCSDH | AVD-54 UXCSDH | AVD-76 UX6SEH*1 | AVD-96 UX6SFH*1 |
|-----------------|------------------|---|--------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|--------------------|
| Power Supply | | | | | | | | | АС 1Ф, | 220V~240 |)V/50Hz | | | | | | AC 3Φ,380 | -415V/50Hz |
| | Cooling | | kW | 2.2 | 2.8 | 3.6 | 4.3 | 5.0 | 5.6 | 6.3 | 7.1 | 8.4 | 9.0 | 11.2 | 14.2 | 16.0 | 22.4 | 28.0 |
| Capacity | Cooling | | Btu/h | 7,500 | 9,600 | 12,300 | 14,700 | 17,100 | 19,100 | 21,500 | 24,200 | 28,700 | 30,700 | 38,200 | 48,500 | 54,600 | 76,500 | 95,600 |
| , | 11 | | kW | 2.8 | 3.3 | 4.2 | 4.9 | 5.6 | 6.5 | 7.5 | 8.5 | 9.6 | 10.0 | 13.0 | 16.3 | 18.0 | 25.0 | 31.5 |
| | Heating | | Btu/h | 9,600 | 11,300 | 14,300 | 16,700 | 19,100 | 22,200 | 25,600 | 29,000 | 32,800 | 34,100 | 44,400 | 55,600 | 61,400 | 85,300 | 107,500 |
| Power Input | Cooling | | W | 110 | 110 | 150 | 150 | 150 | 150 | 150 | 190 | 300 | 300 | 300 | 430 | 430 | 1030 | 1280 |
| | Heating | | W | 110 | 110 | 150 | 150 | 150 | 150 | 150 | 190 | 300 | 300 | 300 | 430 | 430 | 1030 | 1280 |
| Sound Pressur | e | | dB(A) | 33/31/29 | 33/31/29 | 33/31/29 | 33/31/29 | 34/32/30 | 34/32/30 | 36/34/32 | 36/34/32 | 41/39/34 | 41/39/34 | 43/40/36 | 44/41/36 | 43/40/37 | 52 | 54 |
| Airflow Rate | | | m³/min | 8.0/7.0/6.0 | 8.0/7.0/6.0 | 13.0/11.0/9.0 | 13.0/11.0/9.0 | 15.0/13.0/11.0 | 15.0/13.0/11.0 | 16.0/14.0/12.0 | 16.0/14.0/12.0 | 26.7/23.3/19.1 | 26.7/23.3/19.1 | 26.7/23.3/19.1 | 35.0/29.1/24.1 | 35.8/30.0/25.8 | 58.0 | 77.5 |
| External Static | Pressure | | Pa | 50(80) | 50(80) | 50(80) | 50(80) | 50(80) | 50(80) | 50(80) | 50(80) | 120(90) | 120(90) | 120(90) | 120(90) | 120(90) | 220 | 220 |
| | Connection Type | | - | | | | | Fla | are-nut C | onnection | (with Fla | re Nuts) | | | | | Bra | zing |
| | Liquid | | mm | Ф 6.35 | Ф 9.53 | Ф 9.53 |
| Piping | Liquiu | | inch | 1/4 | 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 |
| Libing | Gas | | mm | Ф 12.7 | Ф 12.7 | Ф 12.7 | Ф 12.7 | Ф 15.88 | Ф 19.05 | Ф 22.2 |
| | GdS | | 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 | 5/8 | 3/4 | 7/8 |
| | Condensate Drain | | mm | | | | | | | | I.D.32 | | | | | | | |
| Weight | Net Weight | | kg | 25 | 25 | 25 | 25 | 34 | 34 | 34 | 34 | 44 | 44 | 44 | 56 | 56 | 94 | 106 |
| | Gross Weight | | kg | 33 | 33 | 33 | 33 | 41 | 41 | 41 | 41 | 54 | 54 | 54 | 68 | 68 | 106 | 111 |
| | | Н | mm | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 350 | 350 | 350 | 350 | 350 | 470 | 470 |
| Dimensions | External | W | mm | 650+75 | 650+75 | 650+75 | 650+75 | 900+75 | 900+75 | 900+75 | 900+75 | 900+75 | 900+75 | 900+75 | 1300+75 | 1300+75 | 1060 | 1250 |
| | | D | mm | 720 | 720 | 720 | 720 | 720 | 720 | 720 | 720 | 800 | 800 | 800 | 800 | 800 | 1120 | 1120 |

- 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)
- Piping Length: 7.5 Meters Piping Lift: 0 Meter 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)
- 2. The sound pressure level is based on the following conditions: 1.5m beneath the unit. With discharge duct (2.0m) and return duct(1.0m) The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.
- 3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.

*1: AC 3Ф,380-415V/50Hz

Ceiling Ducted Type



| Model | | | AVD-76HJFH | AVD-96HJFH | | | |
|-----------------|-------------------|--------|---------------|----------------|--|--|--|
| Power Supply | | | AC 1Φ, 220V~2 | 240V/50Hz/60Hz | | | |
| | Cooling | kW | 22.4 | 28.0 | | | |
| Capacity*1) | Cooling | Btu/h | 76,500 | 95,600 | | | |
| capacity 17 | | kW | 25.0 | 31.5 | | | |
| | Heating | Btu/h | 85,300 | 107,500 | | | |
| Power Input | Cooling | kW | 0.61 | 0.83 | | | |
| rower input | Heating | kW | 0.61 | 0.83 | | | |
| Sound Pressu | re Level *2) | dB | 49/48/47/ | 53/52/50/ | | | |
| Journa Fredou | 2, | u.b | 46/45/44 | 49/47/45 | | | |
| Airflow Rate | irflow Pata | | 57/54/52/ | 72/68/65/ | | | |
| All llow Nate | | m³/min | 51/49/48 | 61/58/50 | | | |
| External Statio | : Pressure*3) | Pa | 150(50~250) | 150(50~250) | | | |
| | Connection Type - | | Bra | azing | | | |
| | Liquid | mm | Ф9.53 | Ф9.53 | | | |
| Dining | Liquid | inch | (3/8) | (3/8) | | | |
| Piping | C *4\ | mm | Ф19.05 | Ф22.2 | | | |
| | Gas*4) | inch | 3/4 | 7/8 | | | |
| | Condensate Drain | - | VP25 | VP25 | | | |
| Weight | Net Weight | kg | 104 | 104 | | | |
| **CIBIT | Gross Weight | kg | 125 | 125 | | | |
| | | H mm | 470 | 470 | | | |
| Dimensions | External W | W mm | 1250 | 1250 | | | |
| | | D mm | 1120 | 1120 | | | |

NOTES:

123

- 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)
 Piping Length: 7.5 Meters Piping Lift: 0 Meter
- 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)
- The sound pressure level is based on following conditions.
 Meter Beneath the Unit.

With Discharge Duct (2.0m) and Return Duct (1.0m). Voltage of the power source for the indoor fan motor is 220V.

In case of the power source of 240V, the sound pressure level increases by about 1 dB. The above data was measured in an anechoic chamber so that reflected sound should.

The noise value of AVD.**HJFH is 150Pa corresponding value.

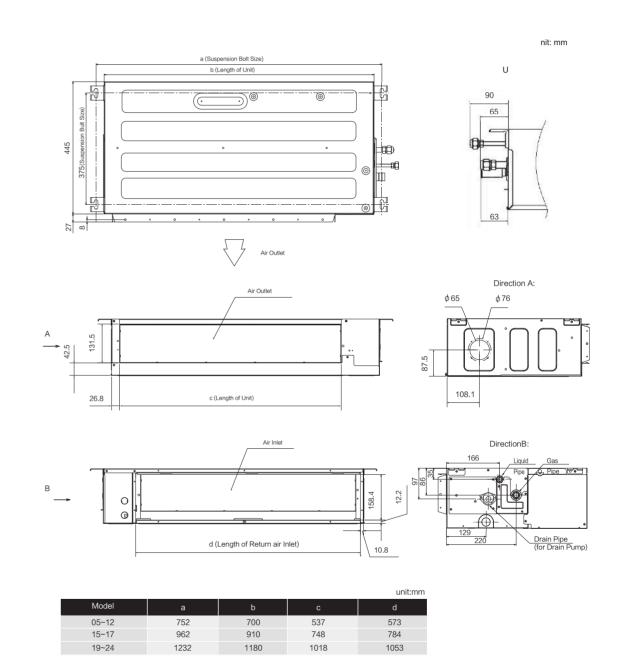
3. The data for external pressure *3) indicates "Standard Pressure Setting values when a filter is not used.

4.The size of AVD-76* series gas pipe is Φ 22.2mm when leaving the factory, and the diameter can be changed to 19.05mm after welding the adapter pipe.

Dimensional Drawings

Ceiling Ducted Type

AVE-05~24HJFDL

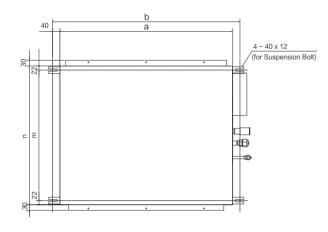


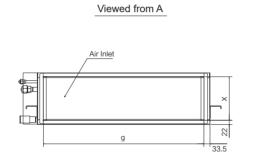
Dimensional Drawings

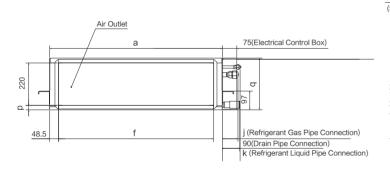
Ceiling Ducted Type (High Pressure)

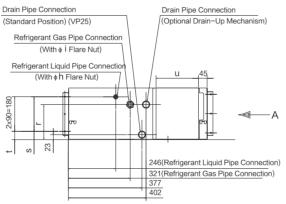
AVD- 07~14UXCSAH AVD- 17~24UXCSBH AVD- 27~38UXCSCH AVD- 48~54UXCSDH

Unit:mm









| Model | а | b | f | g | h | i | j | k | I |
|-------|------|------|------|------|-------|-------|----|----|----|
| 07~14 | 650 | 730 | 553 | 583 | 6.35 | 12.7 | 70 | 92 | 10 |
| 17/18 | 900 | 980 | 803 | 833 | 15.88 | 6.35 | 77 | 92 | 12 |
| 22/24 | 900 | 980 | 803 | 833 | 9.53 | 15.88 | 77 | 95 | 12 |
| 27/30 | 900 | 980 | 803 | 833 | 9.53 | 15.88 | 78 | 95 | 12 |
| 38 | 900 | 980 | 803 | 833 | 9.53 | 15.88 | 81 | 95 | 12 |
| 48/54 | 1300 | 1380 | 1203 | 1233 | 9.53 | 15.88 | 81 | 95 | 14 |

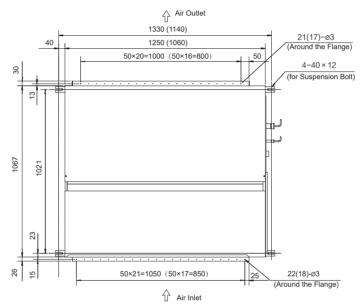
| Model | m | n | р | q | r | s | | u | х |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 07~24 | 676 | 720 | 23 | 270 | 182 | 222 | 43 | 220 | 226 |
| 27~54 | 756 | 800 | 103 | 350 | 204 | 244 | 123 | 300 | 306 |

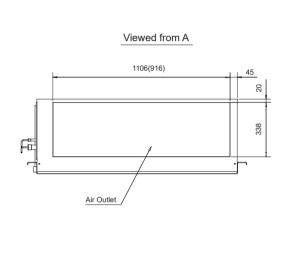
Dimensional Drawings

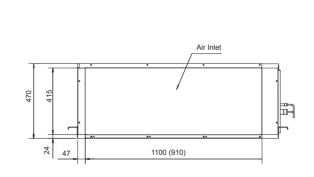
Ceiling Ducted Type (High Pressure)

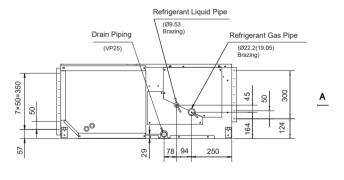
AVD- 76UX6SEH AVD- 96UX6SFH

Unit:mm







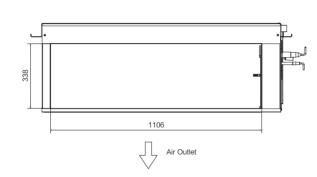


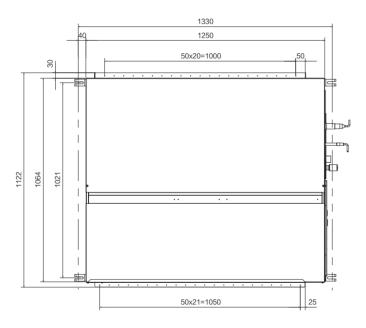
Dimensional Drawings

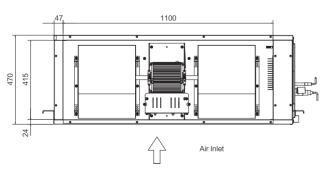
Ceiling Ducted Type

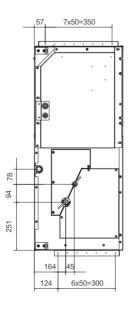
Ceiling Ducted Unit(New)

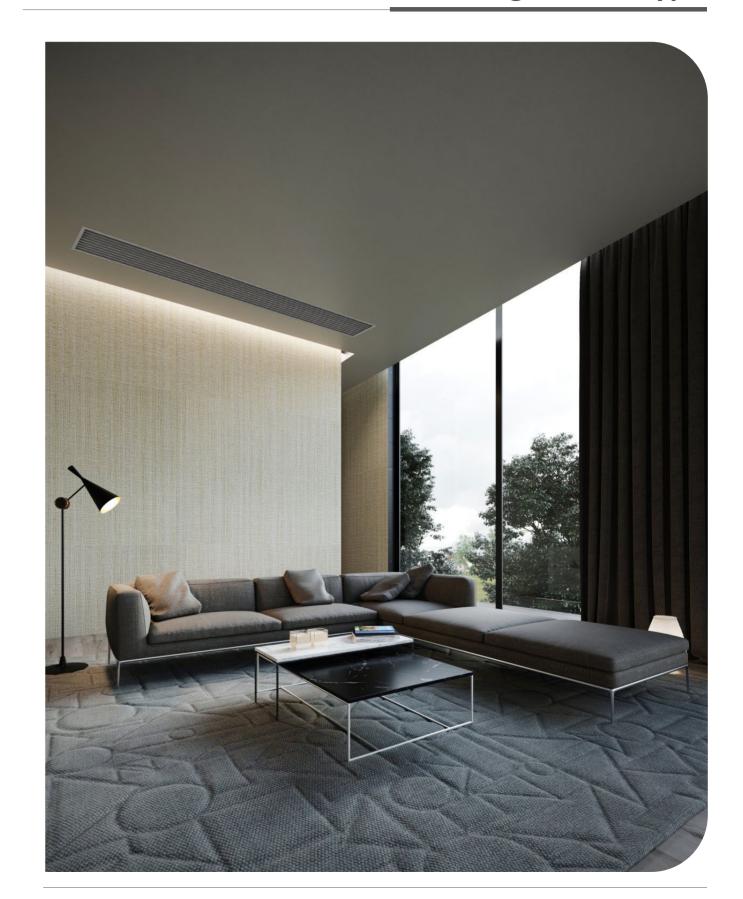
AVD- 76~96HJFH











Wall Mounted Type

High-efficiency DC Fan Motor

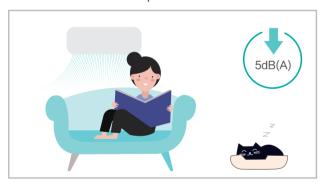
The power consumption of the unit with DC fan motor can be reduced greatly in comparison to the old AC product. The minimum power consumption is only 20W, which is reduced by 60%. It can achieve low-cost operation.



Optimal Noise Control

The low-noise DC fan motor and the enhanced vibration pad on the distribution pipe and EEV will ensure a quieter operation. Besides, with Hisense special smart noise reduction technology, the operation noise can also be decreased effectively. During the high airflow operation, maximum 5dB(A)* is decreased compare with the previous generation. What's more, sleep mode and quiet mode are also available for users to further enjoy a quiet environment.

Take AVS-12 as an example



AirPure Embedded

AirPure kit is embedded in the unit, which can purify the indoor air, including anti-bacteria and anti-virus, formaldehyde 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.



6 Fan Speed

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



1 Fan Speed 2 Fan Speed 3 Fan Speed 4 Fan Speed 5 Fan Speed 6 Fan Speed

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.



Wall Mounted Type



| Model | | | AVS-05HJFDJD | AVS-07HJFDJD | AVS-09HJFDJD | AVS-12HJFDJD | AVS-15HJFDJD | AVS-18HJFDJD | AVS-24HJFDJD | AVS-28HJFDJD | | | | |
|----------------------------|----------------|-------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------------|--------------------------------|--|--|--|--|
| Power Supply | | | | | | AC 1Φ,220V~24 | 10V/50Hz/60Hz | | | | | | | |
| | Cooling | kW | 1.7 | 2.2 | 2.8 | 3.6 | 4.5 | 5.6 | 7.1 | 8.4 | | | | |
| | Cooling | Btu/h | 5,800 | 7,500 | 9,600 | 12,300 | 15,400 | 19,100 | 24,200 | 28,700 | | | | |
| Capacity | Hastina | kW | 2.0 | 2.5 | 3.3 | 4.0 | 5.0 | 6.3 | 8.0 | 8.4 | | | | |
| | Heating | Btu/h | 6,500 | 8,500 | 11,300 | 13,700 | 17,100 | 21,500 | 27,300 | 28,700 | | | | |
| | Cooling | W | 20 | 20 | 20 | 30 | 20 | 30 | 50 | 80 | | | | |
| Power Input | Heating | W | 20 | 20 | 20 | 30 | 30 | 30 | 70 | 80 | | | | |
| Sound Pressu | re | dB(A) | 33/32/32/ 30/30/28 | 36/35/33/ 32/30/28 | 36/35/33/ 32/30/28 | 38/35/33/ 32/30/28 | 38/37/36/ 32/31/29 | 40/38/36/ 35/33/31 | 45/42/41/ 38/35/31 | 50/48/45/ 41/36/33 | | | | |
| Airflow Rate | | m³/h | 520/500/490/ 450/430/420 | 590/550/520/ 490/450/420 | 590/550/520/ 490/450/420 | 620/550/520/ 490/450/420 | 690/660/620/ 540/520/480 | 970/900/850/ 800/730/690 | 1200/1080/1020/ 900/800/700 | 1400/1320/1200 1020/850/730 | | | | |
| Panel Colour | | - | | | | Wh | nite | | | | | | | |
| | Connection Typ | е | | Flare Nuts | | | | | | | | | | |
| | Liquid | mm | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | Ф6.35 | Ф9.53 | Ф9.53 | Ф9.53 | | | | |
| Dining | Liquiu | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 | | | | |
| Piping | | mm | Ф9.53 | Ф9.53 | Ф9.53 | Ф9.53 | Ф12.70 | Ф15.88 | Ф15.88 | Ф15.88 | | | | |
| | Gas | inch | 3/8 | 3/8 | 3/8 | 3/8 | 1/2 | 5/8 | 5/8 | 5/8 | | | | |
| | Drain Pipe | mm | | | | O.D | . 18 | | | | | | | |
| | Net Weight | kg | 9.0 | 9.0 | 9.0 | 9.0 | 12.5 | 14.0 | 14.0 | 14.0 | | | | |
| Weight | Gross Weight | kg | 12.5 | 12.5 | 12.5 | 12.5 | 17.0 | 18.5 | 18.5 | 18.5 | | | | |
| | Н | mm | 270 | 270 | 270 | 270 | 315 | 315 | 315 | 315 | | | | |
| Demensions | External W | mm | 815 | 815 | 815 | 815 | 915 | 1085 | 1085 | 1085 | | | | |
| | D | mm | 203 | 203 | 203 | 203 | 230 | 230 | 230 | 230 | | | | |
| Wireless Rem (Standard) | ote Controller | - | | | | HYE-V | V01 | | | | | | | |

NOTES:

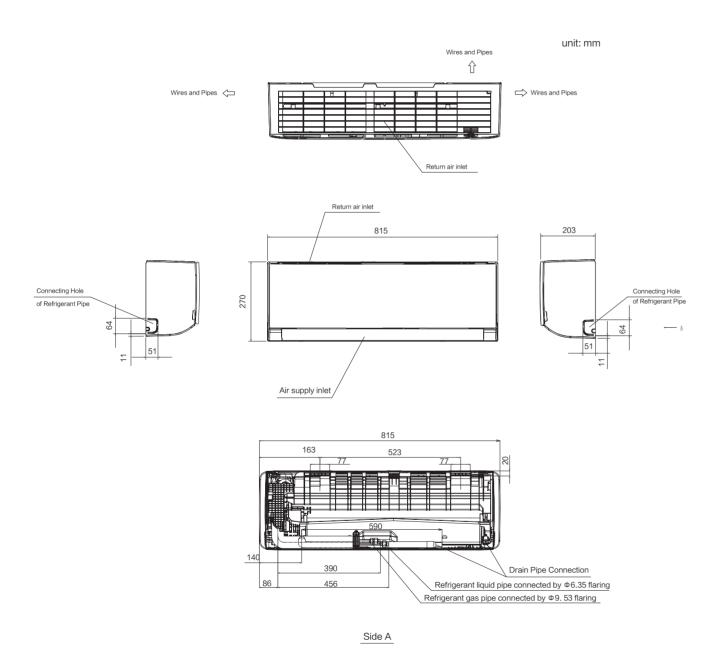
- The rated capacity is based on the following conditions:
 Cooling conditions: indoor air inlet temperature: 27°C DB, 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height diference: 0m
 Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB, 6°C WB, pipe length: 7.5m, pipe height 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.

Dimensional Drawings

Dimensional Drawings

Wall Mounted Type (AVS)

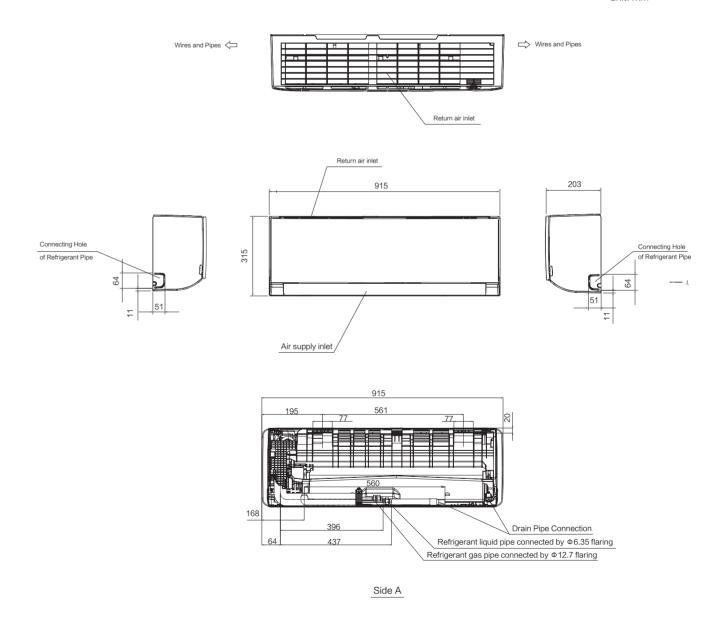
AVS-05~12HJFDJD



Wall Mounted Type (AVS)

AVS-15HJFDJD

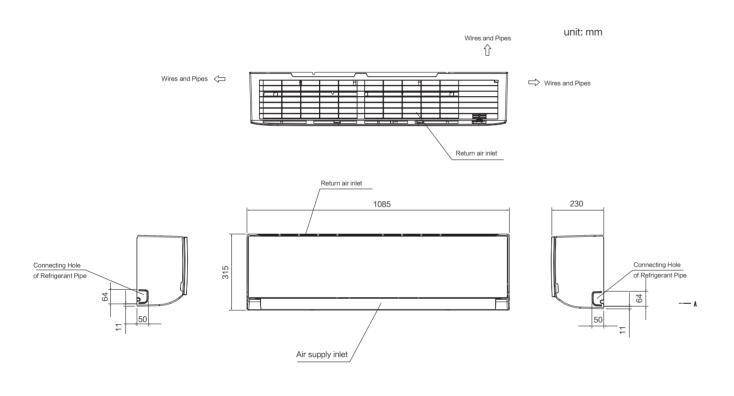
unit: mm

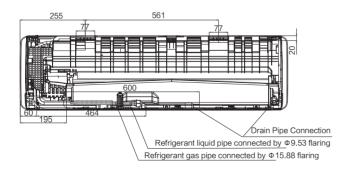


Dimensional Drawings

Wall Mounted Type (AVS)

AVS-18~28HJFDJD





Side A

Ceiling & Floor Type

Sleek smooth design

Shiny White cover panel of the unit has an streamlined elegant aesthetic. The bolts and nuts, which used to secure the unit onto walls 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. Very significant effect on space saving.

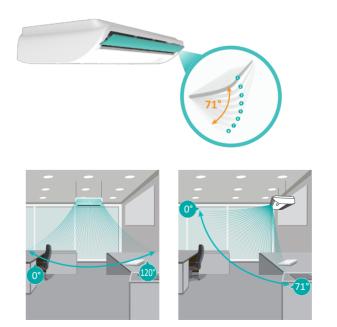


Hanging on the wall

Standing on the floor

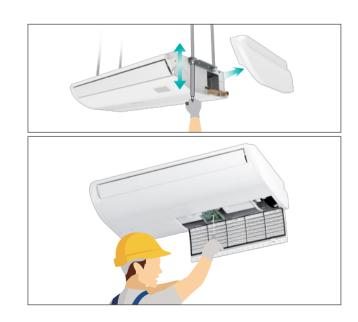
Widely air supply

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 needed during heating modes.



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, service and clean the filter all in the same compartment.



Ceiling & Floor Type

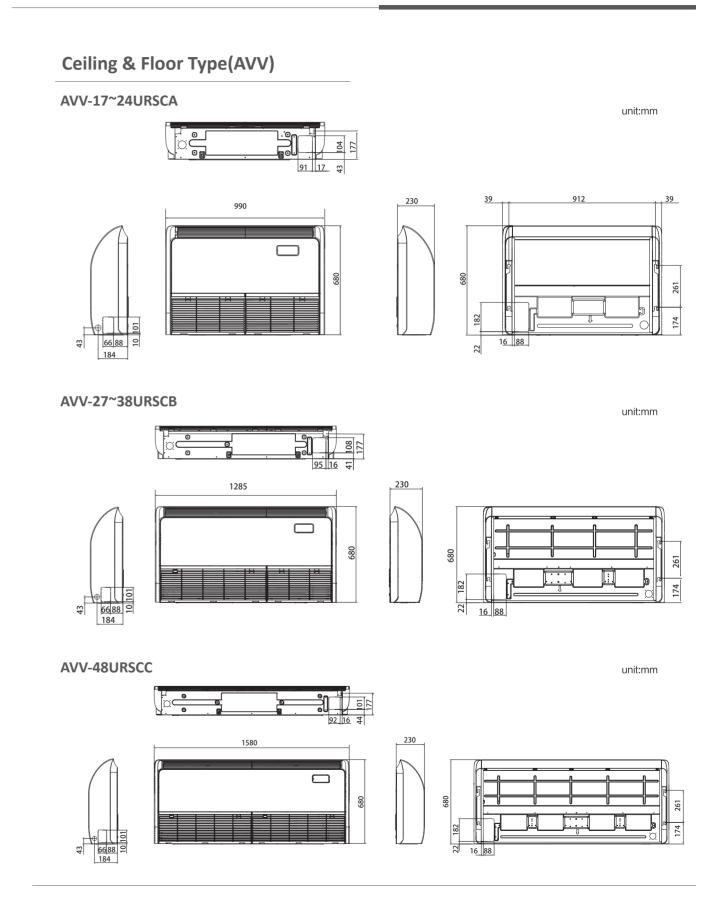


| Model | | | | AVV-17URSCA | AVV-18URSCA | AVV-22URSCA | AVV-24URSCA | AVV-27URSCB | AVV-30URSCB | AVV-38URSCB | AVV-48URSCC | | |
|------------------------|---------------------------|---|--------|---------------------------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|--|--|
| Power Supply | | | | | | | AC 1Φ,220V~2 | 40V/50Hz/60Hz | | | | | |
| | | | kW | 5.0 | 5.6 | 6.3 | 7.1 | 8.4 | 9.0 | 11.2 | 14.2 | | |
| Capacity | Cooling | | Btu/h | 17,100 | 19,100 | 21,500 | 24,200 | 28,700 | 30,700 | 38,200 | 48,500 | | |
| cupacity | | | kW | 5.6 | 6.5 | 7.5 | 8.5 | 9.6 | 10.0 | 13.0 | 16.3 | | |
| | Heating | | 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 | | |
| rower input | Heating | | W | 40 | 40 | 70 | 70 | 70 | 80 | 130 | 160 | | |
| Carrad Danasara | Ceiling Sound Pressure | | 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 | | |
| ound Pressure 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 | | | m³/min | 13.0/11.0/9.0 | 13.0/11.0/9.0 | 16.1/14.0/11.3 | 16.1/14.0/11.3 | 18.2/15.2/12.2 | 19.4/16.3/13.3 | 24.8/20.5/16.3 | 33.0/28.0/23.0 | | |
| Speed-up Setti | | | m³/min | 14.2 | 14.2 | 17.8 | 17.8 | 19.8 | 21.2 | 27.0 | 36.0 | | |
| Speed-up Setti | ing HH2 | | m³/min | 16.0 | 16.0 | 20.0 | 20.0 | 22.3 | 23.5 | 29.2 | 37.4 | | |
| Panel Colour | | | - | - | - | - | - | - | - | - | - | | |
| | Connection Type | | - | Flare-nut Connection(with Flare Nuts) | | | | | | | | | |
| | Linuid | | mm | Ф 6.35 | Ф 6.35 | Ф 9.53 | Φ 9.53 | Ф 9.53 | Φ 9.53 | Φ 9.53 | Ф 9.53 | | |
| Dining | Liquid | | inch | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | | |
| Piping | | | mm | Ф 15.88 | Ф 15.88 | Ф 15.88 | Ф 15.88 | Ф 15.88 | Ф 15.88 | Ф 15.88 | Ф 15.88 | | |
| | Gas | | 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 | | |
| vvcigit. | Gross Weight | | kg | 38 | 38 | 39 | 39 | 46 | 47 | 48 | 56 | | |
| | | Н | mm | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | | |
| Dimensions | External | W | mm | 990 | 990 | 990 | 990 | 1285 | 1285 | 1285 | 1580 | | |
| | | D | mm | 680 | 680 | 680 | 680 | 680 | 680 | 680 | 680 | | |

NOTES

- 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)
 Piping Length: 7.5 Meters Piping Lift: 0 Meter
 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)
- 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.

Dimensional Drawings



Floor Concealed Type

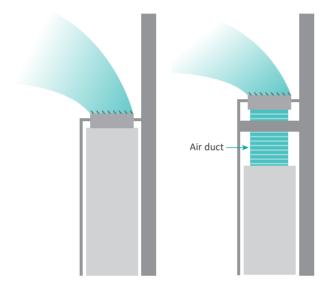
Space saving

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

Flexible installation

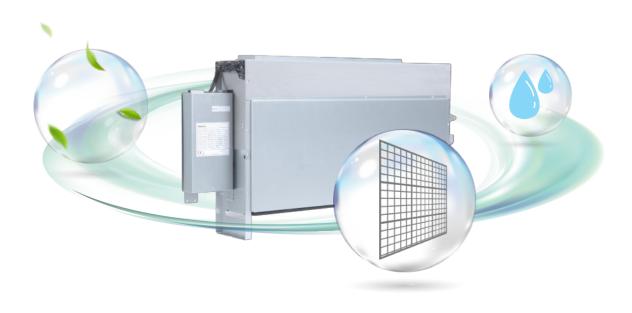
Users can choose the air duct to increase the air supply distance in order to achieve the completely concealed installation.





Connectable devices

The accessories like air return filers, fresh air adapter and humidity sensors are all connectable to the concealed floor unit.



Floor Concealed Type



| Model | | | AVH-09UXCSAA | AVH-14UXCSAA | AVH-14UXCSAA AVH-18UXCSBA | | | | |
|-----------------------------|---------------------|----------|---------------------------------------|---------------------------|---------------------------|----------------|--|--|--|
| 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 m³, | | m³/min | 8.5/7.5/6.3 | 10.3/9.0/8.0 | 14.8/12.3/10.5 | 16.3/13.8/11.8 | | | |
| Piping | Connection Type - | | Flare-nut Connection(with Flare Nuts) | | | | | | |
| | Liquid | mm | Ф 6.35 | Ф 6.35 | Ф 6.35 | Ф 9.53 | | | |
| | | inch | 1/4 | 1/4 | 1/4 | 3/8 | | | |
| | Gas | mm | Ф 12.7 | Ф 12.7 | Ф 15.88 | Ф 15.88 | | | |
| | Gas | 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 | | | |
| External Static Pressure Pa | | | 10(30) | 10(30) | 10(30) | 10(30) | | | |

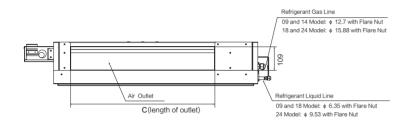
- $1. \ \ The nominal cooling capacity and heating capacity are based on the following conditions:$ Cooling Operation Conditions Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°C WB(66.2°F WB) Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
 Piping Length: 7.5 Meters Piping Lift: 0 Meter Heating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

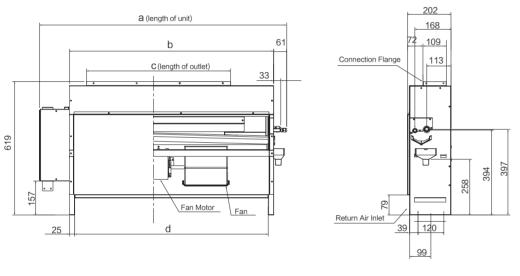
Dimensional Drawings

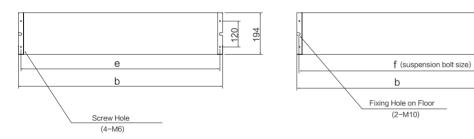
Floor Concealed Type

Floor Concealed Type (AVH)

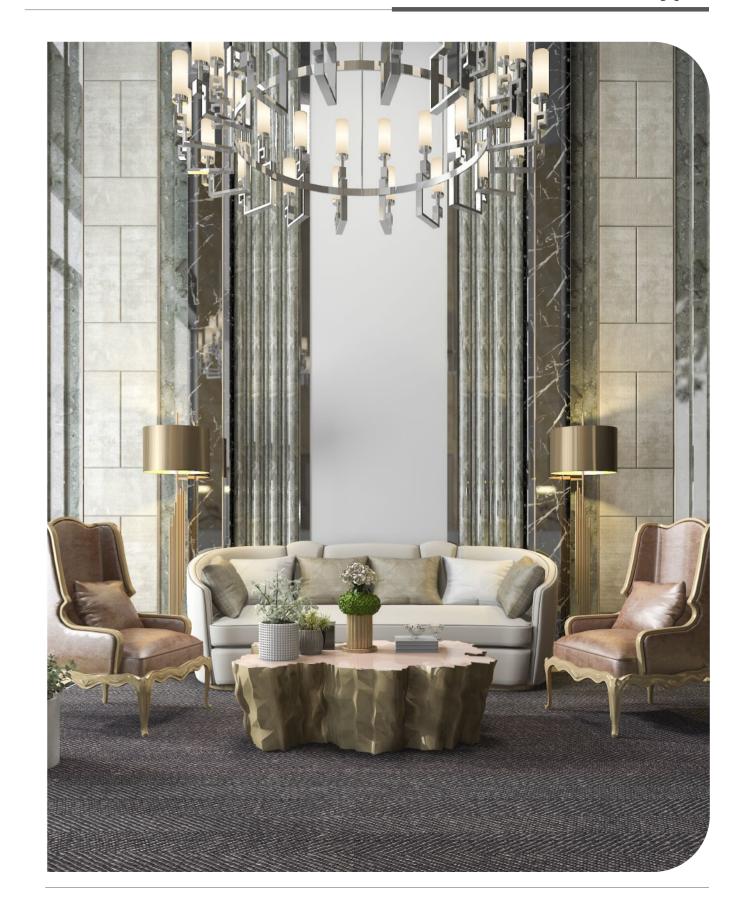
AVH-09~14UXCSAA AVH-18~24UXCSBA AVH-09~14UX2SAA AVH-18~24UX2SBA



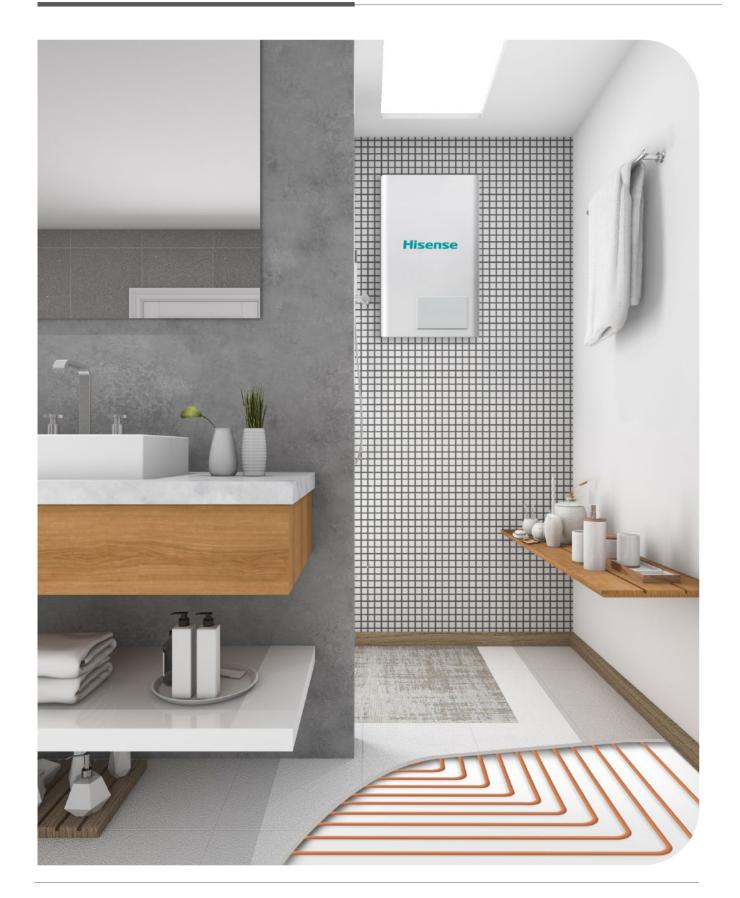




| | | | | | | unitanin |
|-----------------|------|------|-----|------|------|----------|
| Dimension Model | а | b | С | d | е | f |
| AVH-09* | 1154 | 948 | 669 | 898 | 924 | 928 |
| AVH-14* | 1154 | 948 | 669 | 898 | 924 | 928 |
| AVH-18* | 1424 | 1218 | 939 | 1168 | 1194 | 1198 |
| AVH-24* | 1424 | 1218 | 939 | 1168 | 1194 | 1198 |



Hydro Box



Hydro Box

Specification for hydro box

| Н | ydro Box Model | | AHM-080FJFAA | AHM-160FJFAA | |
|---------------------|--------------------------------|------|------------------------|--------------|--|
| Power Supply | | | AC 1Φ,220-240V/50/60Hz | | |
| Cooling Capacity | (A 35/24°C/W 12-7°C) | kW | 7.5 | 12.5 | |
| Heating Capacit | y (A 7/6°C/W 30-35°C) | kW | 8 | 16 | |
| Nomina | l 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 | |
| Weight | Gross | kg | 72 | 75 | |
| Heat | Exchanger | | Plate Heat | Exchanger | |
| Heat Exchange | r Insulation Material | | Elastome | ric Foam | |
| | Heating | °C | 20 to 55 | 20 to 55 | |
| Water Production | DHW(with electric heater) | °C | 35 to 75 | 35 to 75 | |
| | Cooling | °C | 5 to 20 | 5 to 20 | |
| Sour | Sound Pressure | | 33 | 33 | |
| Sou | Sound Power | | 46 | 46 | |
| Piping Connections | Gas | mm | Ф9.53 | Ф9.53 | |
| i iping connections | Liquid | mm | Ф15.88 | Ф15.88 | |
| | Туре | | DC M | lotor | |
| Water Pump | Pumping Head for Water Circuit | m | 5 | 5 | |
| | Power Input | W | 100 | 160 | |
| Boost | er Heating | kW | 3 | 3 | |
| Water Filter | Diameter Perforations | mm | 0.85 | 0.85 | |
| water Filler | Meterial | | Hpb59-1 | Hpb59-1 | |
| | Piping Connections Diameter | mm | G1-1/4" | G1-1/4" | |
| | Shut off Valve | | Yes | Yes | |
| Water Circuit | Drain Valve | | Yes | Yes | |
| | Safety Valve | Bar | 3 | 3 | |
| | Air Purge Valve | | Yes | Yes | |
| Nom | inal Water | m³/h | 1.38 | 2.75 | |
| Expansion Vessel | Volume | L | 8 | 8 | |
| LAPAIISIUII VESSEI | Max. Water Pressure | Bar | 3 | 3 | |

Operation range

Indoor Unit Cooling

| | Maximum | Minimum |
|---------|-------------------|-------------------|
| Indoor | 32°C DB / 23°C WB | 21°C DB / 15°C WB |
| Outdoor | 52°C DB* | -10°C DB |

Water Module Cooling

| | Maximum | Minimum |
|-------------|---------|---------|
| Inlet Water | 25°C | 10°C |
| Outdoor | 48°C DB | 10°C DB |
| Outdoor | 48°C DB | 10°C DB |

Water Module Heating (DHW)

| | Maximum | Minimum |
|-------------|---------|------------|
| Inlet Water | 54°C | 10°C |
| Outdoor | 43°C WB | -25°C WB** |

Indoor Unit Heating

| | Maximum | Minimum |
|---------|-----------|------------|
| Indoor | 27°C DB | 15°C DB |
| Outdoor | 16.5°C WB | -25°C WB** |

Water Module Heating (Floor Heating)

| | Maximum | Minimum | |
|-------------|-----------|------------|--|
| Inlet Water | 54°C | 10°C | |
| Outdoor | 16.5°C WB | -25°C WB** | |

DB: Dry Bulb
WB: Wet Bulb

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



Ventilation Solution

Ventilation Solution

HKF D1EC









HKF D1EC TECHNICAL CHARACTERISTICS

Air-to-air enthalpy heat recovery device, thermal efficiency upto 76%

Galvanized steel self-supporting panels, internally and externally insulated; accessibility from side dool

ISO 16890 ePM2.5 95% (F9 EN 799) efficiency class filter with synthetic cleanable media and COARSE 50% (G3 EN 779) pre-filter on fresh air, COARSE 50% filter on return air intake

Integrated pressure switch for dirty filter signal

Motorised heat recovery by-pass device, automatically controlled by unit control to use fresh air free-cooling when convenient

Low consumption high efficiency & low noise direct driven fans with 10-speed EC motors

Duct connections by circular plastic collars

Built-in electric box equipped with PCB to control fan and by-pass function

Options

Touch screen controller PTS* Electric pre-heater module HKF-PRE250/500/650
CO₂ wall mount sensor HKF-CO₂ Electric post-heater module HKF-POST250/500/650
Humidity wall mount sensor HKF-HUM

"*"means it is necessary when you choose HKF D1EC

Note: For detailed information about the options, please refer to "Optional Parts" at Page 190.

function

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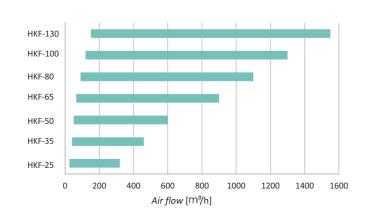


HKF D1EC/C TECHNICAL CHARACTERISTICS

In addition to the same parameters above described, this type of unit has other characters:

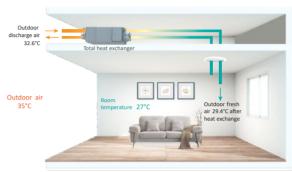
Supply section for Hisense VRF system complete with DX(R410A) coil fitted with thermostatic valve, refrigerant filter, sensors on liquid and gas pipe, temperature sensors in outlet and inlet.

Built-in PCB to control fan speed and air temperature.



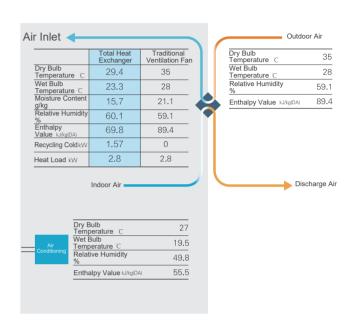
Energy saving analysis

Summer energy saving analysis



Total heat exchanger mode

In summer operation, when the cold energy of 27°C air discharged from indoor pass through the heat exchanger, the 35°C outdoor hot air is pre-cooled to 29. 4°C fresh air and supplied to indoors, as shown above, the air conditioner only needs to cool the air by 2.4°C to maintain a comfortable room temperature and fresh air. In this process, the discharge air pre-cools the fresh air by HRV, The temperature recovery efficiency in cooling is 70% max, and enthalpy exchange efficiency is 57% max.

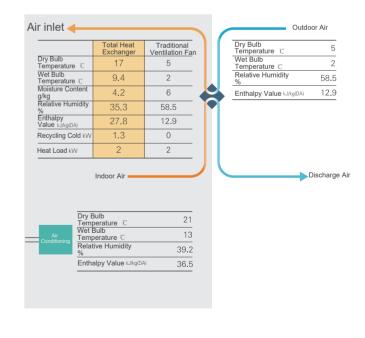


Winter energy saving analysis



Total heat exchanger mode

In winter operation, when the heat energy of 21°C air discharged from indoor pass through the heat exchanger, the 5°C outdoor cold air is pre-heated to 17°C fresh air and supplied to indoors, as shown above, when outdoor 5°C air and indoor 21°C air pass through the HRV, the fresh air supplied to indoors is about 17°C, the air conditioner only needs to heat the air by 4°C to maintain a comfortable room temperature and fresh air. The temperature recovery efficiency in heating is 75% max, and enthalpy exchange efficiency is 63% max.



Ventilation Solution

Performance

| Model | HKF-**D1EC HKF-**D1EC/C | HKF-25 | HKF-35 | HKF-50 HKF-50 | HKF-65 | HKF-80 HKF-80 | HKF-100 HKF-100 | HKF-130 HKF-130 |
|----------------------------------|----------------------------|--------|--------|------------------|----------|------------------|--------------------|--------------------|
| Nominal air flow | m³/h | 250 | 350 | 500 | 650 | 800 | 1000 | 1300 |
| Nominal external static pressure | Pa | 90 | 140 | 110 90 | 100 | 140 120 | 140 115 | 135 105 |
| Electrical power supply | V/ph/Hz | | | | 230/1/50 | | | |
| Total full load amperage | А | 0.5 | 0.6 | 0.6 | 1.2 | 1.4 | 2.1 | 2.7 |

| Fans | | | | | | | | |
|---|----------|------|------|------|------|------|------|------|
| Motor tpoloy | | EC |
| Number of speeds | | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Fan conto*1 | | Man |
| Internal specific fan power of ventilation components-SFP int*5 | W/(m³/s) | 812 | 670 | 547 | 846 | 865 | 881 | 873 |
| Total nominal power input | kW | 0.08 | 0.13 | 0.15 | 0.23 | 0.32 | 0.39 | 0.49 |
| Sound pressure level*2 | dB(A) | 34 | 37 | 39 | 40 | 42 | 43 | 44 |

| Heat Exchanger | | | | | | | | |
|--------------------------|---|-------|-------|-------|-------|-------|-------|-------|
| Winter thermal efi.c*3 | % | 73.0% | 74.0% | 76.0% | 74.0% | 76.0% | 76.0% | 74.2% |
| Winter enthalpy efic*3 | % | 65.0% | 65.0% | 67.0% | 65.0% | 65.0% | 62.0% | 59.0% |
| Summer thermal efc.*4 | % | 73.0% | 74.0% | 76.0% | 74.0% | 76.0% | 76.0% | 74.0% |
| Summer enthalpy efic.c*4 | % | 62.0% | 62.0% | 63.0% | 60.0% | 63.0% | 60.0% | 58.0% |
| Dry thermal eficiency*5 | % | 73.0% | 74.0% | 76.0% | 74.0% | 76.0% | 76.0% | 74.0% |

| Dx Coil | | | | | | | | |
|------------------------|----|---|---|----------|----------|----------|----------|----------|
| Heating Capacily*6 | kW | - | - | 2.5(2.7) | 3.0(3.3) | 4.4(4.8) | 5.2(6.7) | 6.2(6.7) |
| Total coling capacit*7 | kW | _ | - | 3.0 | 3.5 | 5.1 | 5.8 | 7.0 |

NOTES:

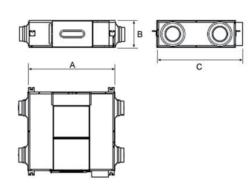
- *2.Sound pressure level calculated at 1 m far from: ducted supply-exhaust air/lducted; return-fresh air intake/service side, at nominal conditions.
- *3.Outside air at -5° 80% RH; room air at 20°C 50% RH
- *4.Outside air at 32° 50% RH; room air at 26°C 50% RH
- *5.Refeer to EU 1253/2014 regulation: at nominal pressure; air conditions refer to EN 308 standard *6.Air inlet condition: 13°C DB, RH 40% (11°C DB, RH 45%); condensing temp. 40°C
- *7.Air inlet condition: 28,5°C DB, RH 50%; evaporating temp. 7°C

Ventilation Solution

Dimensions

HKF D1EC

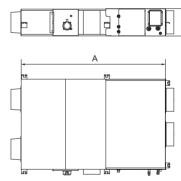




| Model | A(mm) | B(mm) | C(mm) | Weight(kg) |
|-------------|-------|-------|-------|------------|
| HKF-25D1EC | 814 | 270 | 657 | 30 |
| HKF-35D1EC | 814 | 270 | 860 | 37 |
| HKF-50D1EC | 894 | 270 | 960 | 43 |
| HKF-65D1EC | 1186 | 388 | 940 | 65 |
| HKF-80D1EC | 1186 | 388 | 1190 | 71 |
| HKF-100D1EC | 1199 | 388 | 1273 | 83 |
| HKF-130D1EC | 1199 | 388 | 1273 | 83 |

HKF D1EC/C





| | å | В | |
|-----|-----------------|--------|--|
| - | A | | |
| 백 | <u></u> <u></u> | g | |
| - | | | |
| | | | |
| [B] | | # Br g | |

| Model | A(mm) | B(mm) | C(mm) | Weight(kg) |
|---------------|-------|-------|-------|------------|
| HKF-50D1EC/C | 1453 | 275 | 959 | 90 |
| HKF-80D1EC/C | 1745 | 390 | 1190 | 100 |
| HKF-100D1EC/C | 1758 | 392 | 1313 | 105 |
| HKF-130D1EC/C | 1758 | 392 | 1313 | 105 |

All Fresh Air Indoor Unit

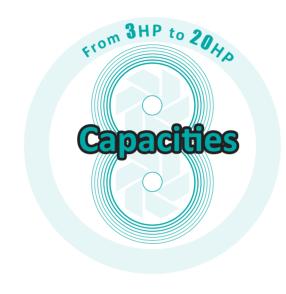
Space saving

Fresh air unit with of height lower until 370mm only require small amount of ceiling space. It fits to the room ceilings with various duct connections.



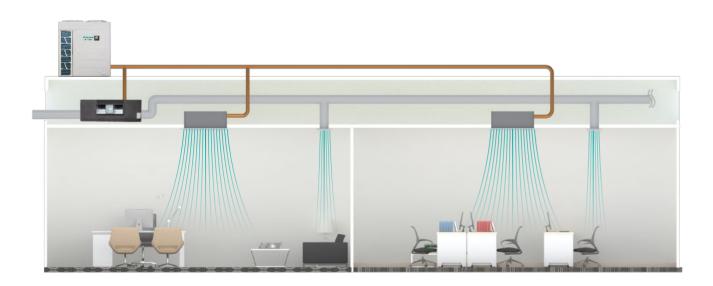
Larger capacity & static pressure options

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

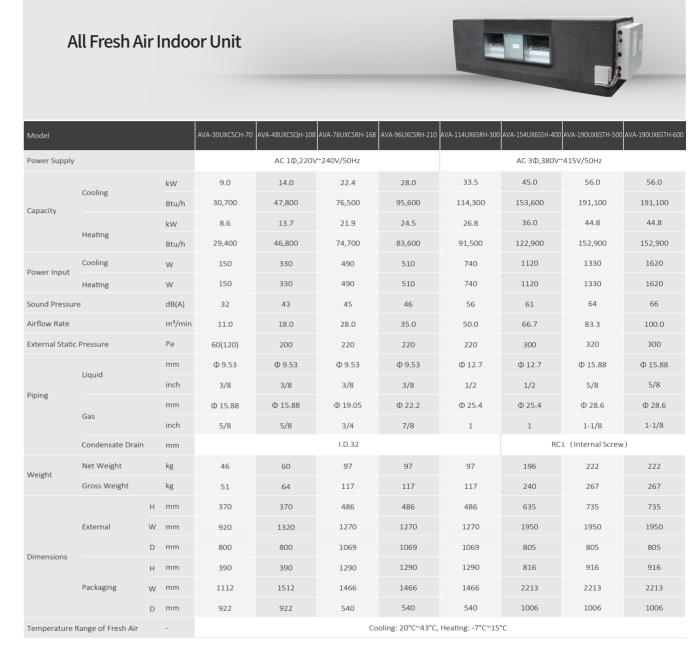


Simple & flexible piping system

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



All Fresh Air Indoor Unit



NOTES

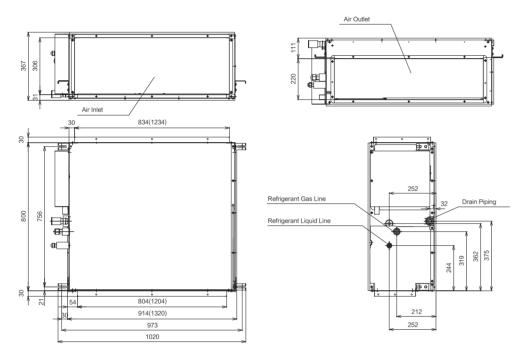
- The nominal cooling capacity and heating capacity are based on following conditions
 Cooling operation conditions: 33°C DB, 28°C WB, piping length: 7.5m, piping lift: 0m
 Heating operation conditions: 0°C DB, -9°C WB, piping length: 7.5m, piping lift: 0m
 (Heating capacity is tested when defrosting is not available)
- The sound pressure level is based on following conditions: 1.5 Meter beneath the unit.The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the filed.
- 3. An air filter with duct collection efficiency more than 50% needs to be attached to the duct system of the suction side at site.
- This unit shall be connected to Hi-FLEXi S, X,W and Hi-Smart H Series outdoor units. In
 case of connecting this unit with other indoor units in the same refrigerant cycle, calculate
 the capacity of this unit as 46.1KBtu/h(30.7KBtu/h), 71.7KBtu/h(47.8KBtu/h),
 143.3KBtu/h(95.6KBtu/h).
- 5. Under cooling mode, when outdoor temperature is lower than 20 °C, the system will automatically shift to ventilation operation; Under heating mode, when outdoor temperature is higher than 15°C the system will automatically shift to ventilation operation; In case inlet temperature is below -7°C all fresh air unit will stop.

Dimensional Drawings

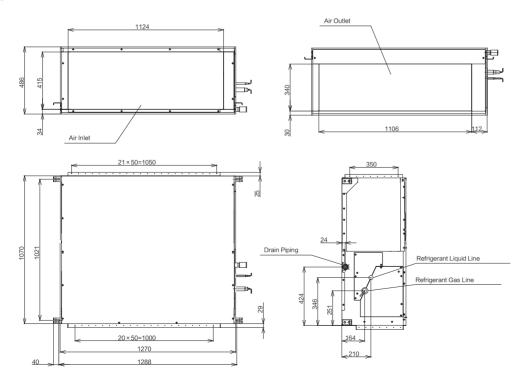
All Fresh Air Indoor Unit

All Fresh Air Indoor Unit (AVA)

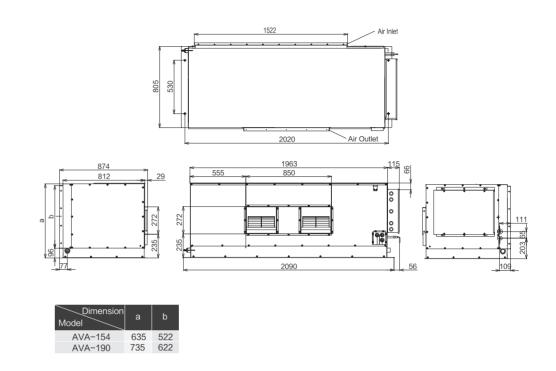
AVA-30~48*

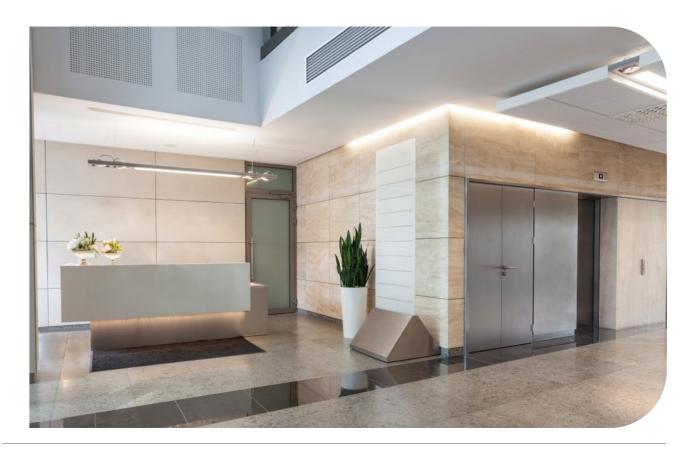


AVA-76~114*



AVA-154~190*





AHU Connection Kit



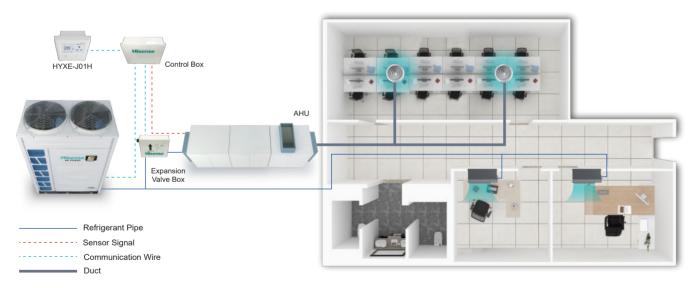
The Hisense AHU-KIT can integrate external heat exchangers of Air-handing units (AHU) into a Hisense VRF system to be used for air conditioning, which can provide more flexible air conditioning solutions and save more cost in the building air conditioning renovation.

Main functions

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

Selection and limitation of heat exchanger of AHU

The Heat Exchanger of AHU(field-supplied)should be selected according to the following technical data and limitations. Lifetime of the outdoor unit, operation range or operation reliability may be influenced if these limitations are neglected.



Electric preheating control

With this function, the electric preheating will automatically run according to the inlet air temperature by output signal, when ambient temperature is lower than 0° C.

Humidifier control

In heating mode, humidifier will operate or stop, through detecting and calculating the difference between the actual humidity and target humidity, by output signal.

Optional Part: Humidity Sensor (HCHR-S01E)

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 | Compatible ODU Series |
|--|--------------------------------------|------------------------|------------------------------|
| Inlet Air (room air) Temperature Control | Cooling: 19~30 °C | | |
| Outlet Air Temperature Control | Heating: 17∼30 °C | _ | S series, W series, H series |
| Duty Signal Control (0~10V or 0~5V or 4-20mA) | _ | 15%~100% | |

| | | HZX-2.0 AEC | HZX-4.0 AEC | HZX-6.0 AEC | HZX-10 | 0.0AEC | | HZ | X-20.0AE | С | | | Н | ZX-30.0A | .EC | | |
|---------------------------|-------------------------------|------------------|------------------|------------------|--------|--------|------|--------|-------------------|-----------|------|------|-------|----------|--------|-------|-------|
| Model Powe | er Supply | | | | | | | AC 1Φ, | 220~240\ | //50Hz/60 | Hz | | | | | | |
| Nominal Capacity | y of AHU | HP | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| | | 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 |
| | Cooling | 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 |
| Allowed Heat Exchanger | | 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 |
| Capacity (H/M/L) | Heating | 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 |
| | | 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 | 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 |
| Heat Exchanger | 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 |
| Volume | Max | dm³ | 1.16 | 2.37 | 2.92 | 3.89 | 4.76 | 5.91 | 6.89 | 8 | 8.92 | 9.97 | 11.13 | 12.34 | 12.89 | 13.86 | 14.73 |
| | uivalent Indoor Jnit Capacity | | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 |
| Control Bo | x Model | | | | | | | | | HZX-AEC | /1 | | | | | | |
| Expansion Valve Box Model | | HZX-2.0 AEC/2 | HZX-4.0 AEC/2 | HZX-6.0 AEC/2 | HZX- | | | | HZX-20.0 AEC/2 |) | | | HZX-2 | 0.0AEC/2 | 2 2set | | |

^{*}Cooling and heating capacity data based on the following indoor and outdoor temperature conditions:

| Operation Conditions | | Cooling | Heating |
|-------------------------------|----|---------|---------|
| | DB | 27.0°C | 20.0°C |
| Indoor Air Inlet Temperature | WB | 19.0°C | _ |
| Outdoor Air Inlet Temperature | DB | 35.0°C | 7.0°C |
| Outdoor Air iniet remperature | WB | - | 6.0°C |

DB:Dry Bulb; WB:Wet Bulb; Pipe Length:7.5m; Pipe Height:0m

• RELIABILITY • EFFICIENCY • COMFORT • FLEXIBILITY • OUTDOOR UNIT • OUTDOOR UNIT • CONTROL SYSTEM • ACCESSORY AND TOOLS



AIR CONDITIONING SOLUTION

Function Table

| Model | | Wired Controller | | Wireless Controller | Cent Contr | |
|---------------------------------|-----------|---------------------|-----------|--|---------------|----------|
| Model | HYXE-J01H | HYXE-VC01 | HYXE-S01H | HYE-VD01 | HYJM-S01H | HYJ-J01H |
| Picture | 261 | 2637 | | 4: 198 8: 253 2: 253 2: 253 2: 253 | | 7500000 |
| Max. connectable indoor units | 16 | 6 | 16 | - | 160 | 128 |
| Cool/Heat/Auto | • | • | • | • | • | 0 |
| Dehumidification | • | • | • | × | • | 0 |
| Fan speed | • | • | • | • | • | 0 |
| Louver setting | • | • | • | • | • | 0 |
| Temperature setting | • | • | • | • | • | 0 |
| Operation monitoring | • | • | • | • | • | 0 |
| 24-hour timer | • | • | • | • | • | 0 |
| 7-day timer | • | 0 | 0 | X | • | 0 |
| Holiday setting | • | 0 | 0 | × | • | 0 |
| Main-sub control | • | • | 0 | × | 0 | 0 |
| Check function | • | • | • | × | 0 | 0 |
| Air filter cleaning reminding | • | • | • | × | • | 0 |
| Error code history display | • | • | • | × | • | 0 |
| Auto test run | • | • | • | • | 0 | 0 |
| Indoor/Outdoor PCB checking | • | • | • | × | 0 | 0 |
| Self diagnostic function | • | • | • | • | • | • |
| Back light | • | • | • | • | • | 0 |
| Built-in temperature sensor | • | • | 0 | • | 0 | 0 |
| Wireless control available | 0 | • | 0 | × | 0 | 0 |
| Louver controlled independently | • | • | 0 | • | 0 | 0 |
| Breeze mode | • | • | 0 | • | 0 | 0 |
| Motion sensor | • | 0 | 0 | × | 0 | 0 |
| Health(air pure) | • | • | 0 | • | 0 | 0 |
| Hi-Motion | • | 0 | 0 | × | 0 | 0 |
| ECO(energy saving) | • | • | 0 | • | • | 0 |
| Mute | • | • | • | • | 0 | 0 |
| Sleep | • | • | 0 | • | 0 | 0 |
| Window contact design | • | • | 0 | × | 0 | 0 |
| 3D-air flow | • | • | 0 | • | 0 | 0 |

Remarks: Standard: Optional: O Incompatible: X

Matching Table

| | Туре | | Wired Controller | | Wireless Controller |
|-------------|-------------------------------|-----------|------------------|-----------|---------------------|
| | Model | HYXE-J01H | HYXE-VC01 | HYXE-S01H | HYE-VD01 |
| | Picture | 26. | 26.7 | | |
| | 4-Way Cassette | • | • | • | 0 |
| | Mini 4-Way Cassette | • | • | 0 | 0 |
| | 1-Way Cassette | • | • | 0 | 0 |
| | 2-Way Cassette | • | • | 0 | 0 |
| Unit | Ceiling Ducted Type | • | • | • | 0 |
| Indoor Unit | Ceiling Ducted Type(High/low) | • | • | • | 0 |
| <u> </u> | Console | • | • | • | • |
| | Wall Mounted Type | • | • | • | • |
| | Ceiling & Floor Type | • | • | • | • |
| | Floor Concealed Type | • | • | 0 | 0 |
| | All Fresh Air | • | • | • | 0 |
| | Heat Recovery Ventilator | • | • | • | × |

| | Туре | Centralized Controller | ON/OFF | | | | |
|-------------|-------------------------------|---------------------------|-----------|-----------|-----------|-----------|----------|
| | Model | HYRE-V02H | HYRE-Z01H | HYRE-T03H | HYRE-X01H | HYJM-S01H | HYJ-J01H |
| | Picture | | | | [] | | Manager |
| | 4-Way Cassette | 0 | 0 | • | 0 | • | • |
| | Mini 4-Way Cassette | 0 | • | 0 | 0 | • | • |
| | 1-Way Cassette | 0 | 0 | 0 | • | • | • |
| | 2-Way Cassette | • | 0 | 0 | 0 | • | • |
| Unit | Ceiling Ducted Type | • | 0 | 0 | 0 | • | • |
| Indoor Unit | Ceiling Ducted Type(High/low) | • | 0 | 0 | 0 | • | • |
| | Console | • | 0 | 0 | 0 | • | • |
| | Wall Mounted Type | • | 0 | 0 | 0 | • | • |
| | Ceiling & Floor Type | • | 0 | 0 | 0 | • | • |
| | Floor Concealed Type | • | 0 | 0 | 0 | • | • |
| | All Fresh Air | • | 0 | 0 | 0 | • | • |
| | Heat Recovery Ventilator | 0 | 0 | 0 | 0 | • | • |

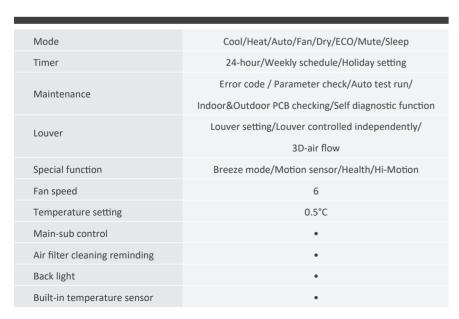
Remarks: Standard: Optional: O Incompatible: X

Wired Controller



HYXE-J01H(J01H1/J01H2)

Complete functions and spacious comfortable touch buttons with 4" large LCD screen





Features

| (|) | Size:120mm×120mm |
|---|---|----------------------------------|
| |) | Max. connectable indoor units:16 |
| |) | LCD display |
| |) | Touch Button |
| (|) | Language: |
| | | HYXE-J01H: English, Arabic. |
| | | HYXE-J01H1: English, Spanish, |
| | | Italian, German, Polish. |
| | | HYXE-J01H2: English, Turkish, |
| | | Russian, French, Dutch |
| | | |

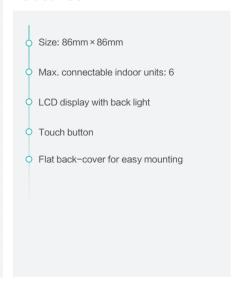
HYXE-VC01



Wired Controller

| Mode | Cool/Heat/Auto/Fan/Dry |
|-----------------------------|---|
| Timer | 24-hour timer |
| | Error code/Parameter check/Auto test run/ |
| Maintenance | Self diagnostic function/Indoor & Outdoor PCB checking/ |
| | Air filter cleaning reminding/IDU address setting |
| Louver | 7 Louver setting/3D-air flow/ |
| Louvoi | Individual louver control |
| Special function | Health/ECO/Quiet/Sleep/Self-cleaning |
| Fan speed | 6 |
| Temperature setting | $0.5\ensuremath{^{\circ}\!$ |
| Main-sub control | • |
| Wireless control available | • |
| Built-in temperature sensor | • |

Features



HYXE-S01H

User-friendly controller with smart size blending into wall switches ideally



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

Features



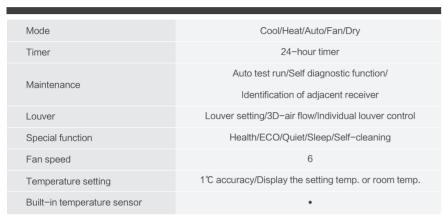
5/

Wireless Controller

Central Controller

HYE-VD01

High quality screen display and extremely userfriendly remote controller





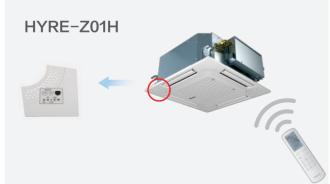
Features

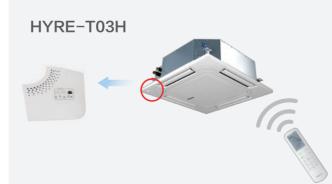


Receiver Kit for Wireless Control-optional









HYJM-S01H

Holiday setting

Filter cleaning reminder

Temperature limition

External input/Output function

All/4 zone/Individual control

Cool/Heat/Auto/Fan/Dry/ECO

Advanced 7" coloured full touch screen, convinient yet robust



Features

| Size: 220mm×148mm |
|--|
| Max. connectable indoor units:160 |
| Max. connectable indoor unit groups: 64 |
| Max. distance: 1000m |
| Language: |
| Chinese, English, Russian, Spanish, |
| Turkish, German, Italian, Dutch, Polish, |
| Arabic |

ON/OFF Controller HYJ-J01H

Simplicity at its best with LED light signals

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

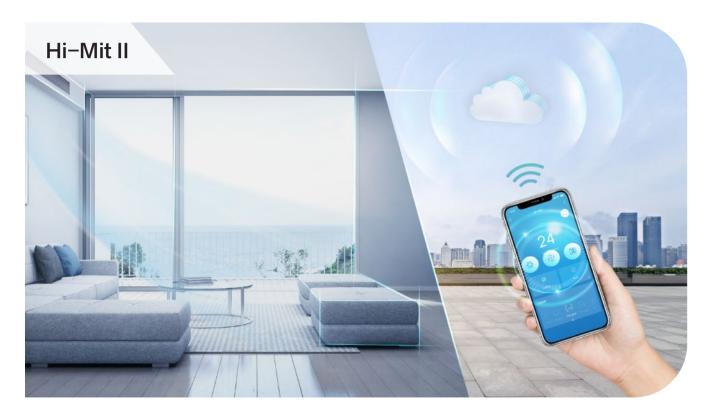
| | Hise | ilise | ON/OFF |
|----|------|-------|--------|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 |

Features

Size:120mm×120mm
Max. connectable indoor units:128
Max. connectable group:16
Touch Button

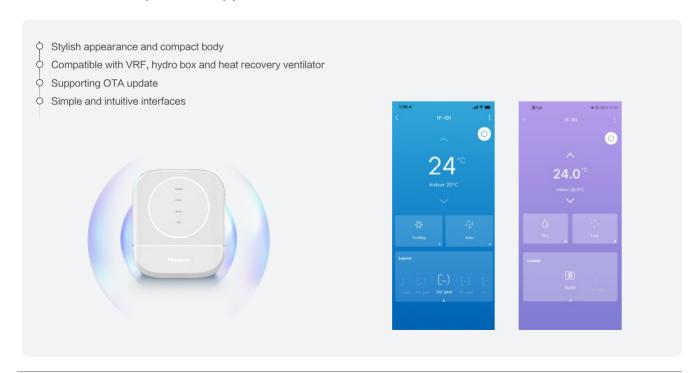
Reimagine your solution

Intelligent Control

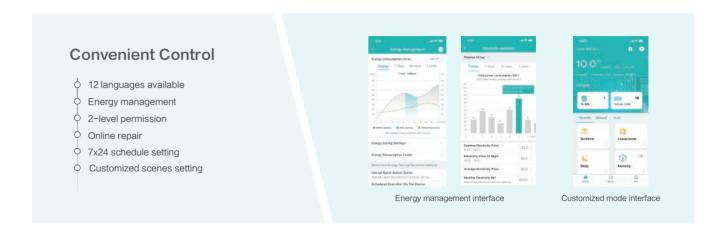


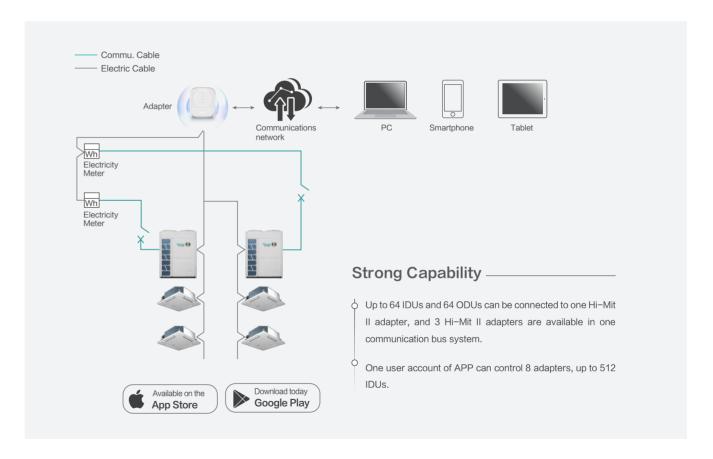
Anytime and anywhere, control is in your hands

Brand-new Adapter and App



Intelligent Control





Specifications

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

AIR CONDITIONING SOLUTION

Intelligent Control



Features

- Multilevel user management
 AC control (on-off, mode, temp, fan speed locked, the max. and min. temp locked)
- AC locked control (running forbidden control,
 the max. and min. temp and cooling/heating locked)
- Running according to yearly schedule
- O Malfunction history check

- Running record display

 Data synchronize

 Supporting for external I/O
- 2D navigationElectricity consumption allocation
- Data comparison and analysis
 Virtual group function
 Interlock control
 Cloud remote control

Humanized interaction interface and comfortable user experience.



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.



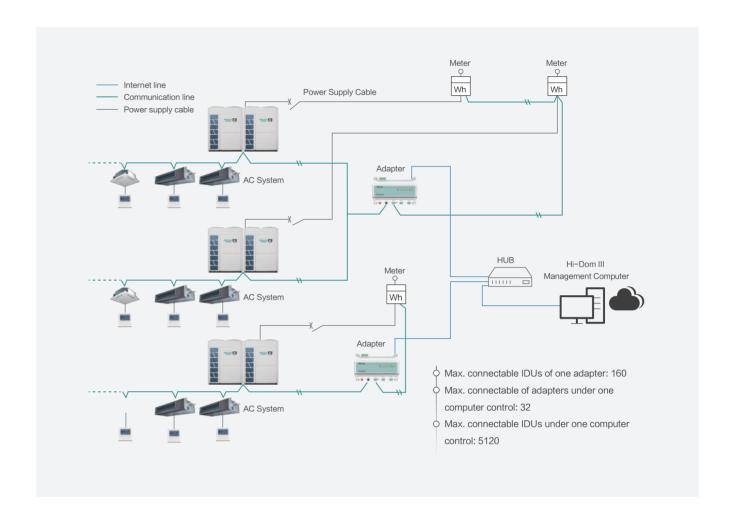
• The electricity consumption allocation makes it easy for users to allocate total electricity consumption among building occupants. Both segmented tariff and single tariff are available.



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



Intelligent Control



Specifications

| Adaptor | Model | Power Supply | Dimension (LxWxD) | Note |
|---------|-----------------|--------------|-------------------|---------------------------------|
| Adapter | HCCS-H160H2C1YM | 12V | 180x115.4x64.5mm | With electric charging function |

Hi-Dom Manager (EPC-S101CQ-S6A1)

Features -

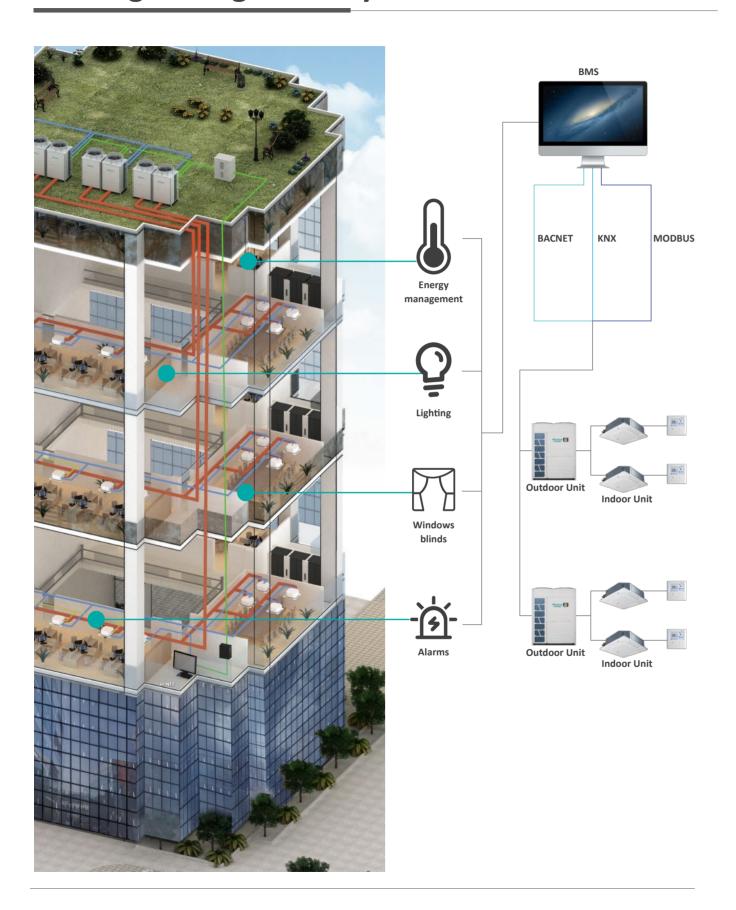
Connect up to 800 indoor units.

Optional hardware with built-in software for Hi Dom III control system with an external screen. Web access to monitor and control the air conditioners.

Two Ethernet ports, four USB ports, one HDMI connector and an built-in power adapter.



Building Management System



KNX —

| KNX | HS-RC-KNX-1i (INKNXHIS001R000) | HS-AC-KNX-16 (INKNXHIS0160000) | HS-AC-KNX-64 (INKNXHIS0640000) |
|---|-----------------------------------|-----------------------------------|-----------------------------------|
| Power Supply | 24V, DC | 24V, DC | 24V, DC |
| Max. Number of Connectable Indoor Units | 1 | 16 | 64 |
| Dimension (H×W×D) | 70×70×28 | 90×88×56 | 90×88×56 |

Features

- Standard data point types (ALL)

 Error code (ALL)
- Central control of all IDUs (HS-AC-KNX-16/64)
- Easy to use tool for the configuration of Intesis Box (HS-AC-KNX-16/64)
- \Diamond Directly control of all IDUs (HS-RC-KNX-1i)
- ♦ Air fillter reminder (HS-RC-KNX-1i)
- Running hours counter (HS-RC-KNX-1i)

MODBUS -

| MODBUS | | HCPC-H2M1C | |
|--|--|---|--|
| Power Supply Max. Number of Connectable Indoor Units Dimension (H×W×D) | | 12V, DC 160 70×204×240 | |
| Features | On-Off Setting Temperature Setting Operating Mode Setting Inlet Air Temp. Monitoring | Airflow Setting and Monitoring All Units On/Off Control Alarm Monitoring and Code Display | |

BACNET -

| BACNET | HS-AC-BAC-16 (INBACHIS0160000) | HS-AC-BAC-64 (INBACHIS0640000) |
|---|-----------------------------------|-----------------------------------|
| Power Supply | 24V,DC | 24V,DC |
| Max. Number of Connectable Indoor Units | 16 | 64 |
| Dimension (H×W×D) | 90×88×56 | 90×88×56 |

Features

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

Dimensional Drawings

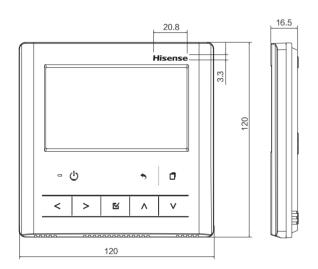
Dimensional Drawings

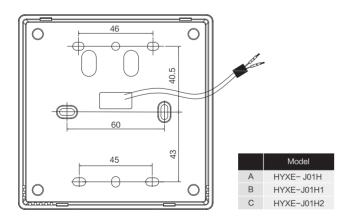
Wired Controller

HYXE-J01H



unit:mm

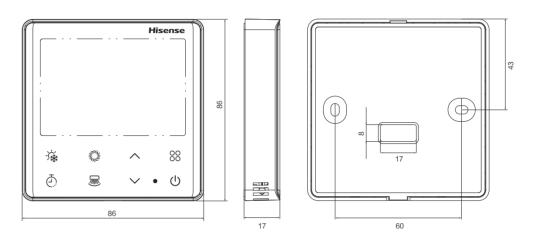




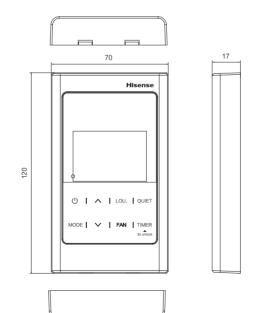
Wired Controller

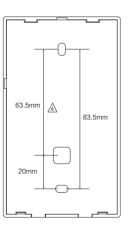
HYXE-VC01





HYXE-S01H





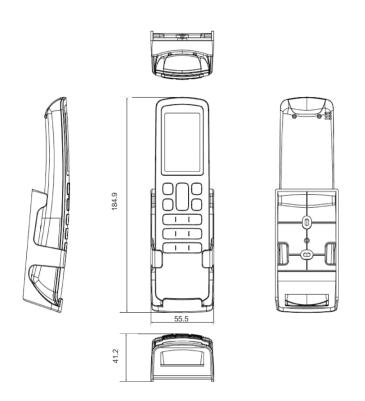
unit:mm

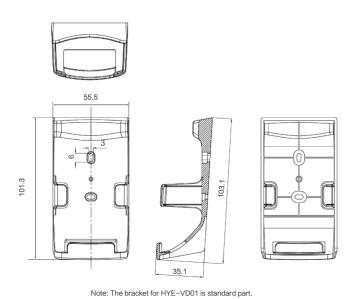
Dimensional Drawings

Dimensional Drawings

Wired Controller

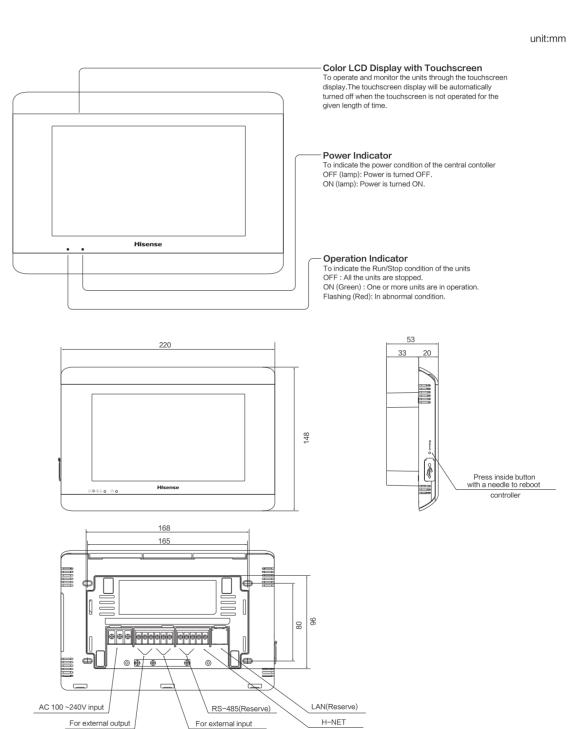
HYE-VD01





HYJM-S01H

Wired Controller

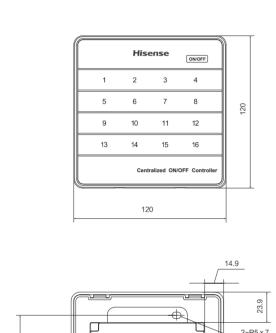


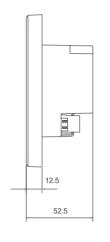
Dimensional Drawings

Dimensional Drawings

Wired Controller

HYJ-J01H





unit:mm

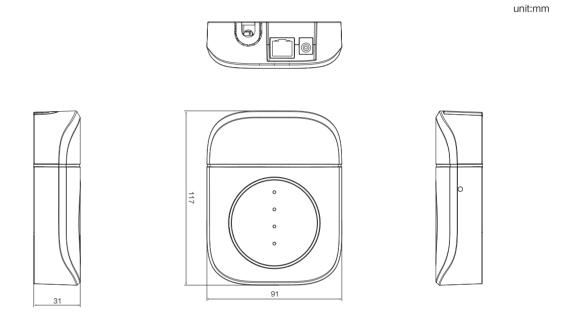
| 83.5 | HAN-i | 101H | |
|------|-------|------|--|
| | | | |
| | | | |
| | 37 | | |

General Data

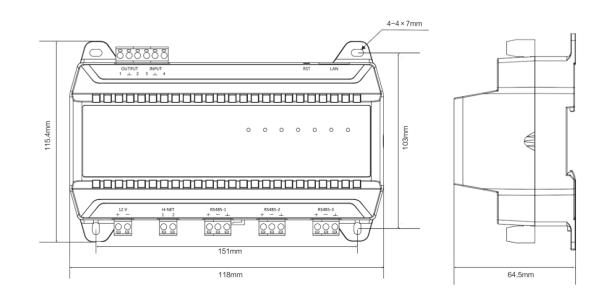
| Outer Dimension W * H * D> | 120 * 120 * 52.5 mm |
|------------------------------|---------------------|
| Net Weight | 1.0kg |
| Installation Location | Indoor |
| Installation Method | Wall Built-in |
| Connected Indoor Unit | ≤160 |
| Clock Accuracy | None |
| Ambient temperature | None |
| Ambient Humidity | None |
| Display | None |
| Rated Power Supply | 220V |
| Electrical Power Consumption | None |

Wired Controller

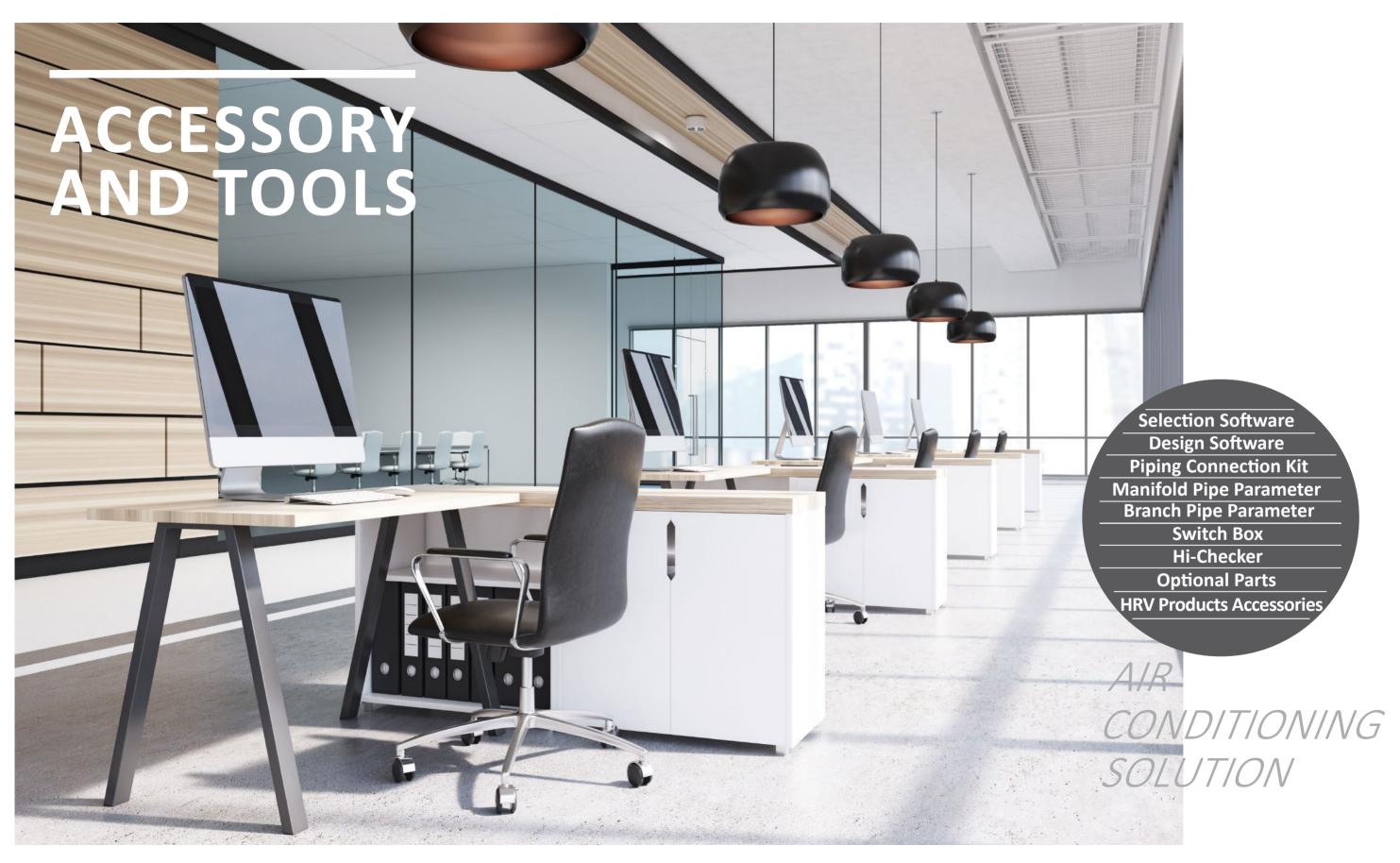
Hi-Mit II



Hi-DOM III



• RELIABILITY • EFFICIENCY • COMFORT • FLEXIBILITY • OUTDOOR UNIT • OUTDOOR UNIT • CONTROL SYSTEM • ACCESSORY AND TOOLS

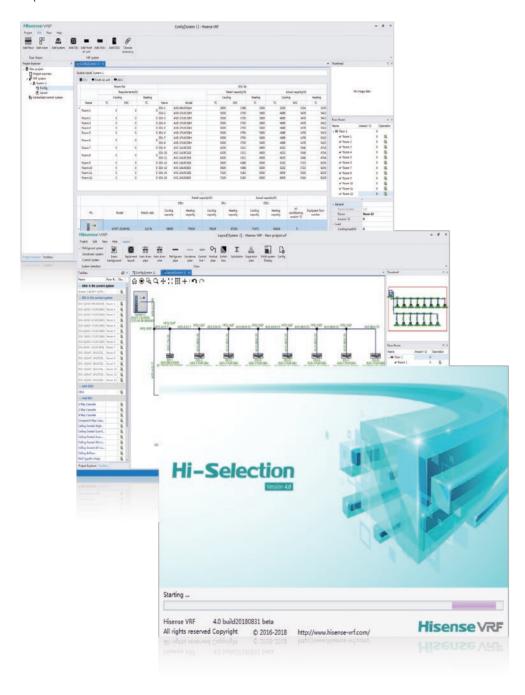


Selection Software

Hi-selection software developed by Hisense HRF, is a Windows-based program which can run in Window XP and other higher operating systems. This software supports multiple languages, and is convenient for users from different countries.

Users can get the latest updated products information easily, because Hisense selection sotiware supports product database update.

Besides, this software is very intelligent. It not only supports manually drawing but also can generate device piping diagram, wiring diagram and project detailed report automatically. Furthermore, the sotiware supports insertion of architectural drawing in DWG,PDF,JPG and PNG file formats, and designing on the architectural drawing.



Design Software

Hisense VRF design software is based on Autocad 2008~2020 which supports both 32-bit and 64-bit operating system. It involves the latest all ranges of products of Hisense, and supports online database update. The software supports system calculating for refriger-

ant pipes and condensate pipes. Besides, the installation material and the amount of the refrigerant charge can be calculated through the software. So that users can design the system easily.

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Design Software

BIM

Building Information Modeling (BIM) is an umbrella term to cover many aspects of building modeling. Hisense can provide up-to-date graphic and parametric product information that is ready to use in any BIM process.



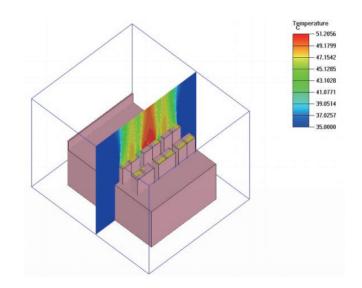
CFD

What is CFD technology?

CFD stands for Computational Fluid Dynamics, which is the science of predicting fluid flow, heat transfer, mass transfer, chemical reactions, and related phenomena by solving the mathematical equations which govern these processes using a numerical process (that is, on a computer).

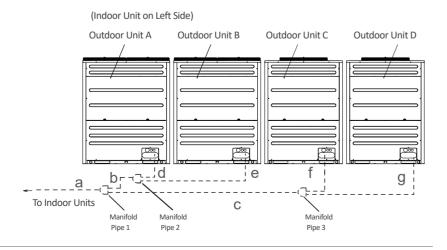
What can we do with CFD technology?

CFD is the best method to analyze the air flow of building ventilation. It can provide the detailed and obvious simulation result, for example, indoor airflow distribution and temperature and velocity fields around the outdoor unit. These results will bring some good design advice to the architect or consultant before construction. In addition it's very fast and low cost.



Piping Connection Kit

Manifold pipe (For outdoor unit)



Piping Connection Kit

For S Series 2 Pipes System

| Outdoor Unit | AVWT-228~AVWT-424 (24HP~44HP) | AVWT-444~AVWT-510 (46HP~54HP) | AVWT-530~AVWT-636 (56HP~66HP) | AVWT-648~AVWT-848 (68HP~88HP) |
|----------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Manifold Pipe1 | HFQ-M32F#ES | HFQ-M32F#ES | HFQ-M462F#ES | HFQ-M682F#ES |
| Manifold Pipe2 | - | HFQ-M32F#ES | HFQ-M32F#ES | HFQ-M32F#ES |
| Manifold Pipe3 | - | - | - | HFQ-M32F#ES |

For S Series 3 Pipes Heat Recovery System

| Outdoor Unit | AVWT-228 (24HP) | AVWT-250~AVWT-340 (26HP~36HP) | AVWT-360~AVWT-424 (38HP~44HP) | AVWT-444~AVWT-510 (46HP~54HP) | AVWT-530 (56HP) |
|----------------|--------------------|----------------------------------|----------------------------------|----------------------------------|--------------------|
| Manifold Pipe1 | HFQ-M202F#E | HFQ-M212F#E | HFQ-M302F#E | HFQ-M302F#E | HFQ-M462XF#ES |
| Manifold Pipe2 | - | - | - | HFQ-M212F#E | HFQ-M212F#E |
| Manifold Pipe3 | - | - | - | - | - |

| Outdoor Unit | AVWT-550~AVWT-636 (58HP~66HP) | AVWT-648~AVWT-680 (68HP~72HP) | AVWT-700~AVWT-720 (74HP~76HP) | AVWT-740~AVWT-848 (78HP~88HP) |
|----------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Manifold Pipe1 | HFQ-M462XF#ES | HFQ-M462XF#ES | HFQ-M682XF#ES | HFQ-M682XF#ES |
| Manifold Pipe2 | HFQ-M302F#E | HFQ-M212F#E | HFQ-M302F#E | HFQ-M302F#E |
| Manifold Pipe3 | - | HFQ-M212F#E | HFQ-M212F#E | HFQ-M302F#E |

For W Series 2 Pipes System

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

For W Series 3 Pipes Heat Recovery System

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

Branch pipe (For indoor unit) first branch pipe

For S Series 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#ES | HFQ-162F#ES | HFQ-242F#ES | HFQ-302F#ES | HFQ-462F#ES | HFQ-M682F#ES |

For S Series 3 Pipes Heat Recovery 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#E | HFQ-M452F#E | HFQ-M562F#E | HFQ-M692F#E | HFQ-M902F#E | HFQ-462XF#ES | HFQ-682XF#ES |

Piping Connection Kit

Branch pipe (For indoor unit) first branch pipe

For W Series 2 Pipes System

| Outdoor Unit HP | 8 to 10 | 12 to 16 | 18 to 24 | 26 to 54 | 56 to 60 |
|-----------------|-------------|-------------|-------------|-------------|-------------|
| Branch Pipe | HFQ-102F#ES | HFQ-162F#ES | HFQ-242F#ES | HFQ-302F#ES | HFQ-462F#ES |

For W Series 3 Pipes Heat Recovery System

| Outdoor Unit HP | 8 to 10 | 12 to 16 | 18 to 24 | 26 to 36 | 38 to 54 | 56 to 60 |
|-----------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Branch Pipe | HFQ-M282F#E | HFQ-M452F#E | HFQ-M562F#E | HFQ-M692F#E | HFQ-M902F#E | HFQ-462XF#ES |

First branch pipe last branch pipe

For S Series 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#ES | HFQ-102F#ES | HFQ-102F#ES | HFQ-162F#ES | HFQ-162F#ES | HFQ-242F#ES | HFQ-302F#ES | HFQ-302F#ES | HFQ-462F#ES | HFQ-462F#ES | HFQ-682F#ES |

For S Series 3 Pipes Heat Recovery System (3 pipes portion)

| 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#E | HFQ-M282F#E | HFQ-M282F#E | HFQ-M452F#E | HFQ-M562F#E | HFQ-M562F#E | HFQ-M692F#E | HFQ-M692F#E | HFQ-M902F#E | HFQ-462XF#ES | HFQ-462XF#ES | HFQ-682XF#ES |

Last Branch Pipe~Indoor Unit

| Indoor Unit | Pipe Size | : (Фmm) | Max. Liquid Pipe Length | | |
|-----------------------------|-----------|-------------|-------------------------|--|--|
| muoor ome | Gas Pipe | Liquid Pipe | Max. Elquid Tipe Eengal | | |
| 7kBtu/h~14kBtu/h (1.5-4kW) | 12.7 | 6.35 | 15 | | |
| 17kBtu/h~18kBtu/h (5-5.6kW) | 15.88 | 6.35*1 | 15 | | |
| 22kBtu/h~54kBtu/h (11-16kW) | 15.88 | 9.53 | 40 | | |
| 76kBtu/h (22.5kW) | 19.05 | 9.53 | 40 | | |
| 96kBtu/h (28kW) | 22.2 | 9.53 | 40 | | |

Notes: *1. When liquid pipe length of indoor unit(07~18kBtu/h) is more than 15m, please change the liquid pipe dimension from Φ 6.35 into Φ 9.53.

Manifold Pipe Parameter



| Model | Gas Line | Liquid Line | Reducer fo Gas Line | Reducer fo Liquid Line |
|--------------|---|---|--|---------------------------|
| HFQ-M22F#ES | D 25.4 ID 28.6 ID 25.4 Ø 22.2 Ø 22.2 ID 22.2 ID 15.88 ID 12.7 | (D 15.88 (D 9.53 (D 12.7 (D 15.88 (D 9.53 (D 15.88 (D 9.53 (D | ID 25.4 ID 15.88 OD 28.6 ID 12.7 ID 22.2 ID 19.06 | |
| HFQ-M32F#ES | ID 38.1 ID 38.1 ID 38.1 Ø 31.75 Ø 28.6 ID 28.6 | D 22 2 D 9.53 D 19.05 D 19.0 | OD 31.75 D22.2 D28.8 D25.4 Ory:1 D25.4 D15.88 OD 26.6 D17.7 D22.2 D19.05 Ory:1 OD 38.1 OD 38.1 | |
| HFQ-M462F#ES | 038.1 D38.1 D28.6 | D222 D12.7 D9.53 D15.88 D15.33 D16.35 D16.3 | 031.75 D28.8 D22.2 031.75 D25.4 D15.88 1025.4 D15.88 028.6 D19.9.5 D19.9.5 D12.2 | _1025.4 |
| HFQ-M682F#ES | 050.8 D31.75 D38.1 038.1 038.1 D38.1 D38.1 | 0 28.6 1022.2 1019.05 0 28.6 0 25.4 1019.05 0 1015.88 1019.05 | 031.75 D28.6 D22.2 031.75 D25.4 D25.4 D15.88 D11.58 D11.7 D12.7 028.6 U19.05 D22.2 | |

| Model | Low Pressure Gas Line | High Pressure Gas Line | Liquid Line | Reducer for Low Pressure Gas Line | Reducer for High Pressure Gas Line | Reducer for Liquid Line |
|--------------|--|---|--|--|--|----------------------------|
| HFQ-M202F#ES | ID 25.4 ID 28.6 ID 28.6 ID 25.4 Ø25.4 Ø25.4 Ø22.2 ID 15.88 ID 19.05 ID 12.7 | ID 25.4 ID 28.6 ID 25.4 Ø22.2 Ø22.2 ID 15.88 ID 19.05 | D 9.53 D 12.7 D 15.88 Ø 19.05 Ø 19.05 D 15.88 D 12.7 D 9.53 D 0.35 | ID 25.4 ID 15.88 OD 28.4 ID 12.7 ID 22.2 ID 19.05 Q'ty: 1 | ID 25.4 ID 15.88 OD 28.6 ID 12.7 ID 22.2 ID 19.05 O'ty: 2 | |
| HFQ-M212F#ES | ID 38.1 ID 31.75 ID 38.1 Ø31.75 Ø28.6 ID 28.6 | ID 28.6 ID 28.6 ID 25.4 Ø22.2 Ø22.2 ID 19.05 ID 12.7 | ID 25.4 ID 28.6 ID 25.4 Ø25.4 Ø22.2 ID 22.2 ID 19.05 ID 19.05 | ID 25.4 ID 15.88 OD 28.6 ID 12.7 ID 12.7 ID 19.05 Orly: 1 | ID 25.4 ID 15.88 OD 28.6 ID 12.7 ID 12.7 ID 19.05 Othy: 2 | |
| HFQ-M302F#ES | ID 31.75 ID 32.0 ID 38.1 Ø31.75 | ID 31.75 ID 32.0 ID 38.1 Ø31.75 Ø28.6 ID 28.6 | ID 22.2 ID 9.53 ID 15.88 ID 19.05 ID 19 | OD 31.75 ID 22.2 ID 28.6 ID 25.4 OTy.1 ID 25.4 ID 15.88 OD 28.6 ID 12.7 ID 22.2 ID 19.05 OD 38.1 OD 38.1 OD 38.1 OD 38.1 OD 38.1 OD 34.92 OTy: 1 | OD 31.75 ID 22.2 ID 28.6 ID 25.4 OTy: 1 ID 25.4 ID 15.88 OD 28.6 ID 12.7 ID 22.2 ID 19.05 OTy: 1 | |

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

AIR CONDITIONING SOLUTION

Branch Pipe Parameter



| Model | Gas Line | Liquid Line | Reducer for Gas Line | Reducer for Liquid Line |
|-------------|---|--|--|--------------------------------|
| HFQ-102F#ES | ID 22.2 ID 19.05 ID 15.88 Ø25.4 Ø19.05 ID 15.88 ID 19.05 ID 22.2 ID 15.88 ID 19.05 ID 22.2 ID 12.7 | ID 9.53 Ø12.7 Ø9.53 ID 6.35 ID 9.53 Ø9.53 Ø9.53 | | ID 9.53 OD 6.35 Q'ty : 2 |
| HFQ-162F#ES | Ø 22.2 Ø 25.4 Ø 22.2 Ø 22.2 ID 19.05 ID 15.88 ID 12.7 | Ø 12.7 D 12.7 Ø 9.53 D 12.7 D 9.53 D 0.53 D 12.7 D 12.7 | ID 25.4 OD 28.6 ID 15.88 ID 12.7 ID 19.05 Q'ty: 1 | ID 9.53 OD 6.35 |
| HFQ-242F#ES | Ø 22.2 ID 28.6 Ø 22.2 ID 22.2 ID 19.05 ID 15.88 ID 12.7 | Ø25.4 ID 9.53 ID 12.7 ID 15.88 ID 19.05 | ID 25.4 OD 28.6 ID 15.88 ID 12.7 ID 19.05 Q'ty: 1 | |
| HFQ-302F#ES | Ø31.75 ID 38.1 Ø31.75 Ø28.6 ID 28.6 | Ø25.4 ID 19.05 ID 19.05 ID 19.05 ID 19.05 ID 19.05 ID 15.88 ID 19.05 ID 15.88 ID 19.05 ID 15.88 ID 12.7 ID 15.88 ID 12.7 ID 9.53 ID 16.35 ID 6.35 | 0231.75 D.222 D.254 O.254 O.2554 O.255 | |
| HFQ-462F#ES | D41,3 D44,5 D41,3 Ø41,3 Ø38,1 D38,1 D31,75 D28,6 | D19.53 D12.7 D19.05 D19.05 D19.05 D19.05 D22.2 Ø25.4 D19.05 D19.05 D19.05 D19.05 D19.05 | Ø44.5×1.8 ID28.6 D38.1 ID31.75 Ø 28.6 ID15.88 ID12.7 ID19.05 Q'ty:2 | ID25.4 \ID25.4 |
| HFQ-682F#ES | ID 50.8 ID 53.98 ID 50.8 ID 50.8 Ø 50.8 Ø 50.8 | D15.88 D25.4 D25.4 D25.4 D25.4 D25.4 D25.4 D15.88 D19.05 D15.88 | Q'ty:1 Q'ty:2 Q'ty:1 | D15.88 D25.4 Q'ty : 2 |

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#ES | D15.88 D15.88 D12.7 D12.7 D19.05 D19.05 D19.05 D19.05 D15.88 D15. | Ø12.7 Ø9.53 Ø9.53 ID12.7 ID9.53 ID12.7 ID9.53 | Ø12.7 ID9.53 ID9.53 ID6.35 ID6.35 | | — | ID9.53 OD6 35 Q'ty :2 |
| HFQ-M282F#ES | ID15.88 ID15.88 Ø25.4 ID12.7 ID22.2 ID19.05 Ø19.05 ID22.2 Ø22.2 ID15.88 | ID15.88 ID15.88 Ø25.4 ID12.7 ID22.2 ID19.05 Ø 19.05 ID22.2 Ø 19.05 ID22.2 ID15.88 | Ø12.7 Ø9.53 ID9.53 ID9.53 ID6.35 | | | ID9.53 OD6 35 Q'ty :2 |
| HFQ-M452F#ES | ID25.4 ID28.6 ID28.6 ID25.4 | ID25.4 ID28.6 ID25.4 I | Ø12.7 ID12.7 Ø 9.53 ID12.7 ID9.53 ID12.7 ID6.35 | D25.4 ID15.88 OD28.6 ID12.7 ID12.7 ID19.05 O'ty :1 | ID25.4 ID15.88 OD28.6 ID12.7 ID22.2 ID19.05 Q'ty :2 | ID9.53 OD6 35 Q'ty :1 |
| HFQ-M562F#ES | ID25.4 ID28.6 ID25.4 ID28.6 ID25.4 ID25.4 ID25.4 ID22.2 ID22.2 ID15.88 ID12.7 ID19.05 ID19 | ID25.4 ID28.6 ID28.6 ID25.4 ID28.6 ID25.4 ID28.6 I | ID9.53 ID12.7 ID15.88 ID15.88 ID15.88 ID15.88 ID12.7 | ID25.4 ID15.88 OD28.6 ID12.7 ID22.2 ID19.05 Q'ty :1 | ID25.4 ID15.88 ID12.7 ID19.05 Q'ty :2 | OD6 35 |
| HFQ-M692F#ES | ID31.75 ID32.0 Ø31.75 Ø28.6 ID28.6 | ID25.4 ID28.6 ID28.6 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 ID25.4 I | ID22.2 ID9.53 ID15.88 ID19.05 ID19.05 ID19.05 ID19.05 ID12.7 ID22.2 ID15.88 ID12.7 ID9.53 ID6.35 ID6. | ID25.4 ID15.88 OD28.6 ID12.7 ID19.05 Q'ty :1 OD31.75 ID22.2 ID28.6 ID25.4 Q'ty :1 | ID25.4 ID15.88 OD28.6 ID12.7 ID22.2 ID19.05 Q'ty :1 | ID9.53 OD6 35 |
| HFQ-M902F#ES | ID38.1 ID31.75 ID32.0 ID38.1 Ø31.75 Ø28.6 ID28.6 | ID38.1 ID31.75 ID38.1 Ø31.75 Ø28.6 | ID22.2 ID15.88 ID19.05 ID19.05 ID19.05 ID19.05 ID12.7 ID22.2 ID15.88 ID12.7 ID9.53 ID6.35 ID6. | OD31.75 ID22.2 ID28.8 ID25.4 Q'ty :1 ID25.4 ID15.88 ID25.5 ID12.7 ID22.2 ID19.05 Q'ty :1 OD38.6 OD38.1 ID31.75 OD38.1 ID31.75 OD38.1 | OD31,75 ID22.2 ID28.6 | OD6 35 |

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

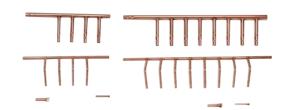
*with or without insulation, please contact our sales person or professional engineers

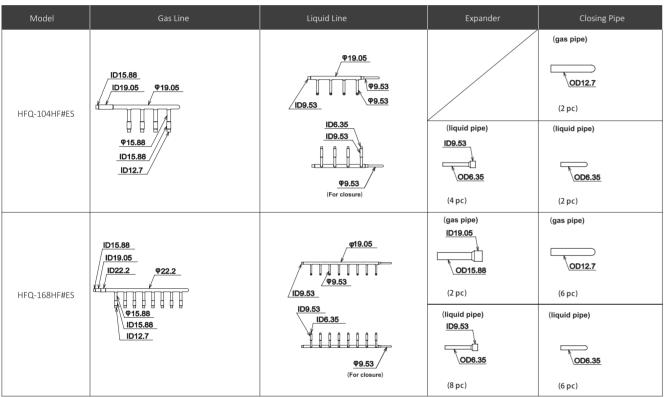
Branch Pipe Parameter

Switch Box

Reference to the total capacity of the indoor units after the Branch-pipes

| | ll L.U.Capacity Btu/h (HP) | Branch-pipe | Number of Branches |
|---|-------------------------------|--------------|--------------------|
| 2 | 18~76 (5~8) | HFQ-104HF#ES | 4 branches |
| 4 | 8~96 (5~10) | HFQ-168HF#ES | 8 branches |





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

Nuts connector is a good choice for mini VRF under 6 HP. No welding required in the installation.

| Picture | Model | Description |
|---------|-------------|--|
| | HFQ-052F#EN | Nuts branch pipe (Gas & liquid, Adapters) |
| que) | H7D-17013A | Double nuts connector for Φ6.35 copper pipe |
| (m) | H7D-17013B | Double nuts connector for Φ9.53 copper pipe |
| | H7D-17013C | Double nuts connector for Φ12.7 copper pipe |
| | H7D-17013D | Double nuts connector for Φ15.88 copper pipe |

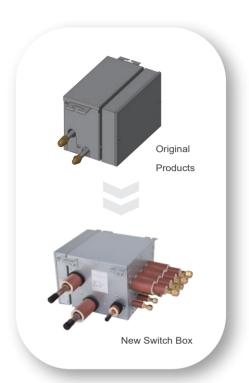
Switch Box

Introduction

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

Advantage

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



| | | Model | | Single I | Branch | | Multi E | 3ranch | |
|-----------------------|----------------|---------------------------------------|--------------|--------------|--------------|--------------|---------------------------------------|---------------|---------------|
| lviodei | | | HCHS-N06XA | HCHS-N10XA | HCHM-N04XA | HCHM-N08XA | HCHM-N12XA | HCHM-N16XA | |
| Appearance | | | | | | 1 | · · · · · · · · · · · · · · · · · · · | - | |
| Flectrical | | Power Supply | - | | | АС 1Ф,220-24 | 0V/50/60Hz | | |
| Licetifical | | Power Input | W | 5.6 | 5.6 | 11.2 | 22.4 | 33.6 | 44.8 |
| Maximun | n Total Cap | pacity Index | kW | 16 | 28 | 44.8 | 85 | 85 | 85 |
| Number | of Branche | s | - | 1 | 1 | 4 | 8 | 12 | 16 |
| Maximun | n Capacity | Index per Branch | kW | - | - | 16 | 16 | 16 | 16 |
| Maximum | Connectab | le Indoor Units per Branch | pics | 8 | 8 | 8 | 8 | 6 | 6 |
| Dimmens | ions (H x \ | V x D) | mm | 191×301×214 | 191×301×214 | 260×303×352 | 260×543×352 | 260×783×352 | 260×1023×352 |
| Refrigera | nt | | - | R410A | | | | | |
| | Outdoor | Gas Line (High and Low Pressure Side) | mm (in.) | Ф15.88(5/8) | Ф15.88(5/8) | Ф22.2(7/8) | Ф22.2(7/8) | Ф25.4(1) | Ф28.58(1-1/8) |
| | Unit | Gas Line (Suction Gas) | mm (in.) | Ф19.05(3/4) | Ф19.05(3/4) | Ф25.4(1) | Ф28.58(1-1/8) | Ф28.58(1-1/8) | Ф31.75(1-1/4) |
| Refrigerant Piping | Side | Liquid Line | mm (in.) | Not Included | Not Included | Ф12.7(1/2) | Ф12.7(1/2) | Ф15.88(5/8) | Ф19.05(3/4) |
| ı ıbıııb | Indoor Unit | Gas Line | mm (in.) | Ф15.88(5/8) | Ф19.05(3/4) | Ф15.88(5/8) | Ф15.88(5/8) | Ф15.88(5/8) | Ф15.88(5/8) |
| Side | Liquid Line | mm (in.) | Not Included | Not Included | Ф9.52(3/8) | Ф9.52(3/8) | Ф9.52(3/8) | Ф9.52(3/8) | |
| Net Weight | | kg | 6.3 | 6.4 | 14.1 | 25.2 | 35.5 | 46.7 | |
| Noise Lev | vol. | Sound Pressure Level | dB (A) | 33 | 33 | 31 | 31 | 34 | 34 |
| MOISE LEV | CI | Max Sound | dB (A) | 46 | 46 | 43 | 46 | 48 | 49 |

Note:

Please contact our professional engineer when the IDU capacity is over 16kW.

AIR CONDITIONING SOLUTION

Hi-Checker



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 Chats



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.

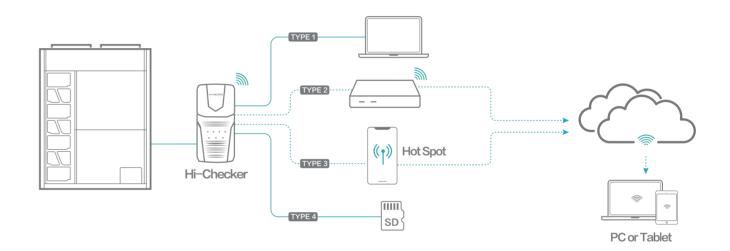


Hi-Checker

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.
- O 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.
- or .pdf format, very user-friendly.



 $Note: HFB-96LFGDE \ is \ the \ filter \ box, \ when \ HFB-96HFGDE \ or \ HFB-96LFGDE \ is \ chosen, \ the \ filter \ box \ is \ necessary.$

Hi-Checker

| Model | Size (LxWxH)mm | Net Weight (g) | Power Suppy | Connectable IDUs | Picture |
|---------------|----------------|----------------|-------------|------------------|---------|
| HCCS-H64H2C2M | 138x68x28 | 130 | 5V500mA | 160 | |

Optional Parts

Drain Pump

| Model | Power supply | Consumption | Max. Lift(mm) | Applicable models | Picture |
|------------|----------------------|-------------|---------------|----------------------------|---------|
| HPS-132#E | AC 220~240V(50/60Hz) | 9±1.5 W | 900 | AVD-07~AVD-24 | A |
| HPS-162#E | AC 220~240V(50/60Hz) | 9±1.5 W | 900 | AVD-27~AVD-54 | |
| HPS-151#E | AC 220~240V(50/60Hz) | 9±1.5 W | 600 | AVD-76UX6SEH, AVD-96UX6SFH | T. C. |
| HPS-F8103E | AC 220~240V(50/60H2) | 12+1.5W | 600 | AVD-76HJFH,AVD-96HJFH | |

3D Air-flow Panel

| Model | Applicable Models | Outer Dimensions H×W×D(mm) | Interface Dimension H×W(mm) | Picture |
|----------|---|-------------------------------|--------------------------------|---|
| HP-CB-NA | For ceiling ducted type (Low- height) 1.7~3.6kW AVE-05-14 | 180×738×89 | 546×136 | |
| HP-DB-NA | For ceiling ducted type (Low- height) 4.5~5.0kW AVE-15-17 | 180×948×89 | 756×136 | Morne Committee of the |
| HP-EB-NA | For ceiling ducted type (Low- height) 5.6~7.1kW AVE-19-24 | 180×1218×89 | 1026×136 | |

Hi-Motion

| Model | Applicable Models | Unit Size D×H(mm) | Picture |
|----------|---|----------------------|------------|
| HCM-S01E | all indoor unit except 4-way cassette type and mini 4-way cassette type | 100×30 | • <u> </u> |

Motion Sensor

| Model | Applicable Models | Picture |
|----------|--------------------------|---------|
| HPS-MACN | Mini 4-way cassette type | |
| HCM-01E | 4-way cassette type | • |

Duct Adapter

| Model | Applicable Models | Picture |
|-----------|---|---------|
| HFL-56CSA | 4-way cassette type and mini 4-way cassette type | |

Humidity Sensor

| Model | Applicable Models | Picture |
|-----------|--|---------|
| HCHR-S01E | 4-way cassette type,Console, Ceiling Ducted Type (Low-height) | |

Cable for I/O Interface in Indoor Units

| Model | Applicable Models | Picture |
|-----------|-------------------|---------|
| H7D01759A | All indoor unit | |

Wall Mount Temperature Sensor

| Model | Applicable Models | Picture |
|----------|--|---------|
| HCT-S01E | Ceiling ducted type, Ceiling ducted type (High pressure), 4-way cassette type, Mini 4-way cassette type | 0 |

Optional Parts

AirPure Kit

| Model | Applicable Models | Picture |
|----------|---|---------|
| HJK-ELZA | 4-way cassette type, Mini 4-way cassette type | |
| HJK-ELZB | Low height ceiling ducted, high static ceiling ducted | |

Snow Cover(side)

| Model | Applicable Models | Outer Dimensions H×W×D(mm) | Picture |
|---------|-------------------|-------------------------------|---------|
| | AVWT-76FKFSHA | | |
| | AVWT-96FKFSHA | | |
| | AVWT-114FKFSHA | | |
| HAS-ESL | AVWT-136FKFSHA | 1060×233×717 | |
| | AVWT-154FKFSHA | | |
| | AVWT-170FKFSHA | | |
| | AVWT-190FKFSHA | | |
| | AVWT-212FKFSHA | | |

Snow Cover(back)

| Model | Applicable Models | Outer Dimensions H×W×D(mm) | Picture |
|------------|----------------------------------|-------------------------------|---------|
| HAS-ES095E | AVWT-76FKFSHA AVWT-96FKFSHA | 1082×405×925 | |
| HAS-ES121E | AVWT-114FKFSHA AVWT-136FKFSHA | 1082×405×1185 | |
| HAS-ES135E | AVWT-154FKFSHA AVWT-170FKFSHA | 1082×405×1330 | |
| HAS-ES160E | AVWT-190FKFSHA AVWT-212FKFSHA | 1082×405×1575 | |

Snow Cover(top)

| Model | Applicable Models | Outer Dimensions H×W×D(mm) | Picture |
|------------|----------------------------------|-------------------------------|---------|
| HAS-ES095T | AVWT-76FKFSHA AVWT-96FKFSHA | 953×755×953 | |
| HAS-ES121T | AVWT-114FKFSHA AVWT-136FKFSHA | 953×755×1213 | 1 1 1 1 |
| HAS-ES135T | AVWT-154FKFSHA AVWT-170FKFSHA | 953×755×1355 | 0 |
| HAS-ES160T | AVWT-190FKFSHA AVWT-212FKFSHA | 953×755×1603 | |

Optional Parts

PAC Centralized Control Convertor

| Model | Dimensions (H*L*W)/mm | Picture |
|-----------|-----------------------|---------|
| HCPC-H3C1 | 62*152*125 | |

Note: When this control convertor is used, there is at least one VRF indoor unit in the system.

Filter

| Model | Filter Dimension W×H (mm) | Applicable Models | Picture |
|-------------|------------------------------|---|---------|
| HFB-96LFGDE | 1339×462 | | |
| HF-96HFGDE | - | AVD-76HJFH,AVD-96HJFH | |
| HF-96LFGDE | - | | |
| HF-280L-FE | 1100×432.5 | AVD-96UX6SFH, AVD-76HJFH,AVD-96HJFH | 11 |
| HF-224L-FE | 910×432.5 | AVD-76UX6SEH | |
| KW-PP1Q | 582×236 | AVD-07UXCSAH,AVD-09UXCSAH,AVD-12UXCSAH,AVD-14UXCSAH | |
| KW-PP2Q | 832×236 | AVD-17UXCSBH,AVD-18UXCSBH,AVD-22UXCSBH,AVD-24UXCSBH | |
| KW-PP3Q#E | 832×316 | AVD-27UXCSCH, AVD-30UXCSCH,AVD-38UXCSCH | 1 |
| KW-PP4Q#E | 1230×316 | AVD-48UXCSDH,AVD-54UXCSDH | |

Hi-Dom Manager

| Model | | EPC-S101CQ-S6A1 | Picture |
|--------------------------|------------------------|--|--------------|
| | Operating | 0 ~ 50° C (32 ~ 122° F) w/ 0.7m/s airflow | |
| Environment | Non-operating | -40 ~ 85° C (-40~185° F) | |
| LIMITOTITIEN | Relative Humidity | 40° C @ 95%, Non-Condensing, operating | |
| | Relative numbers | 60° C @ 95%, Non-Condensing, non-operating | |
| | Mounting | Desk/Wall-mounting, VESA mounting, Din rail mounting standoff reserved | |
| Physical Characteristics | Dimensions (W x H x D) | System dimension: 188 x 39 x 150 mm | THE STATE OF |
| | Weight | 0.95 kg | |
| Regulation | EMC | CE/FCC Class B | |
| veRaigrion | Safety | CB, UL, CCC, BSMI | |
| Applicable Models | | Hi-DOM III | |

HRV Products Accessories

Electric Pre-heater Section

| Model | Applicable Models | Picture |
|------------|--|---------|
| HKF-PRE250 | HKF-25D1EC, HKF-35D1EC | |
| HKF-PRE500 | HKF-50D1EC | |
| HKF-PRE650 | HKF-65D1EC, HKF-80D1EC, HKF-100D1EC, HKF-130D1EC | |

Electric Post-heater

| Model | Applicable Models | Picture |
|-------------|--|---------|
| HKF-POST250 | HKF-25D1EC, HKF-35D1EC | |
| HKF-POST500 | HKF-50D1EC | |
| HKF-POST650 | HKF-65D1EC, HKF-80D1EC, HKF-100D1EC, HKF-130D1EC | |

Touch Screen Controller

| Model | Applicable Models | Picture |
|-------|-------------------------|---|
| PTS | HKF-**D1EC (All models) | 11" - 30. -4 20.30 -2.2 1 - |

Co₂ Wall Mount Sensor

| Model | Applicable Models | Picture |
|---------------------|-------------------------|----------|
| HKF-CO ₂ | HKF-**D1EC (All models) | animonal |

Humidity Wall Mount Sensor

| Model | Applicable Models | Picture |
|---------|-------------------------|---------|
| HKF-HUM | HKF-**D1EC (All models) | |