

**Hisense HVAC**

**Hisense**



Qingdao Hisense HVAC Equipment Co., Ltd.  
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HCAC-VRF-EURO202602

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Reimagine your solution



Hisense participates in the ECP programme for VRF. Check ongoing validity of certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com)

**Hisense** HVAC

# GLOBAL NETWORK

Hisense is a global corporation with its presence in 160 countries and regions worldwide, with over 100,000 employees, 26 R&D centers, 34 industrial parks, 66 overseas companies and 6 AC training centers. Hisense covers different industry divisions and product groups, from consumer electronics, home appliances, IT solutions to real estate business. Driven by the vision to become a reliable, century-old enterprise, we are committed to delivering intelligent solutions that enhance the life quality and well-being of our consumers.

**100000+**  
Employees

**101**  
Laboratories

**4916**  
Authorized Patents

**8000+**  
Doctoral And Master's  
Degree Holders

**300+**  
Testing  
Equipments

**7**  
Technological  
Invention Award



▼ Industrial Park

● R&D Center



QingDao · China



ShunDe · China



# SPORTS MARKETING

Hisense is committed to enhancing global brand awareness through a visionary, long-term sports marketing strategy. By successfully sponsoring UEFA EURO and FIFA World Cup, Hisense has brought cutting-edge technologies and passion for sports to fans worldwide. With every tournament, Hisense connects millions, inspires excellence, and drives innovation.

## Promote Sponsorship of Sport Events to Enhance Global Image



Global Official Sponsor of FIFA World Cup 2026™



2026

Global Official Partner of UEFA EURO 2024™



2024

Global Official Partner of UEFA EURO 2020™



2020

Global Official Partner of UEFA EURO 2016™



2016

Official Premium Partner of FC Schalke 04



Official Sponsor Of Australian Open



2014

2025



Global Official Sponsor of FIFA Club World Cup 2025™

2022



Global Official Sponsor of FIFA World Cup Qatar 2022™

2018



Global Official Sponsor of FIFA World Cup Russia 2018™

2015

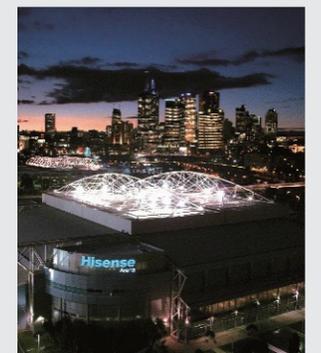


Team Supplier to Red Bull Racing F1 Team



Title Sponsor of Hisense 300 NASCAR Xfinity Series & Team Sponsor of Joe Gibbs Racing

2008



Official Naming Rights to Hisense Arena

# HVAC MANUFACTURING

Hisense HVAC is an industry-leading brand that integrates product development, manufacturing, sales, and after-sales service for heating, ventilation, and air conditioning equipment. Its R&D centers, manufacturing bases, and training centers are deployed globally to better serve our customers worldwide. Hisense HVAC is committed to providing excellent products and solutions, contributing to improved air quality for people and advancing green and low-carbon development for the planet.



📍 Qingdao, China



**1,171,000** m<sup>2</sup>  
Manufacturing Area



**80+**  
Production Line



**30,000,000** units/y  
Production Capacity



**16,700** m<sup>2</sup>/70+  
Laboratory



📍 Jiangmen, China



📍 Huzhou, China



📍 Thailand



The Guiding Light of Manufacturing  
**The World's First**  
VRF Dual-Lighthouse Factory

## Smart Manufacturing

### Automated Welding

- 57% reduction in welding defects
- Multi-spot welding

### Automatic Production

- 1st horizontal inclined automatic tube insertion machine in the industry
- 17 AI High-precision cameras visual guidance

### Automated Assembly

- Industry-1st intelligent detection, selection and assembly system
- Labor-saving & error-reducing

## Smart Supply Chain

**26.66 Average lead days for export order**

### AI-powered Workflow

- GenAI-based employee assistant
- Real-time alerts and automated tracking
- Scenario analysis and decision recommendation

### Agile Delivery

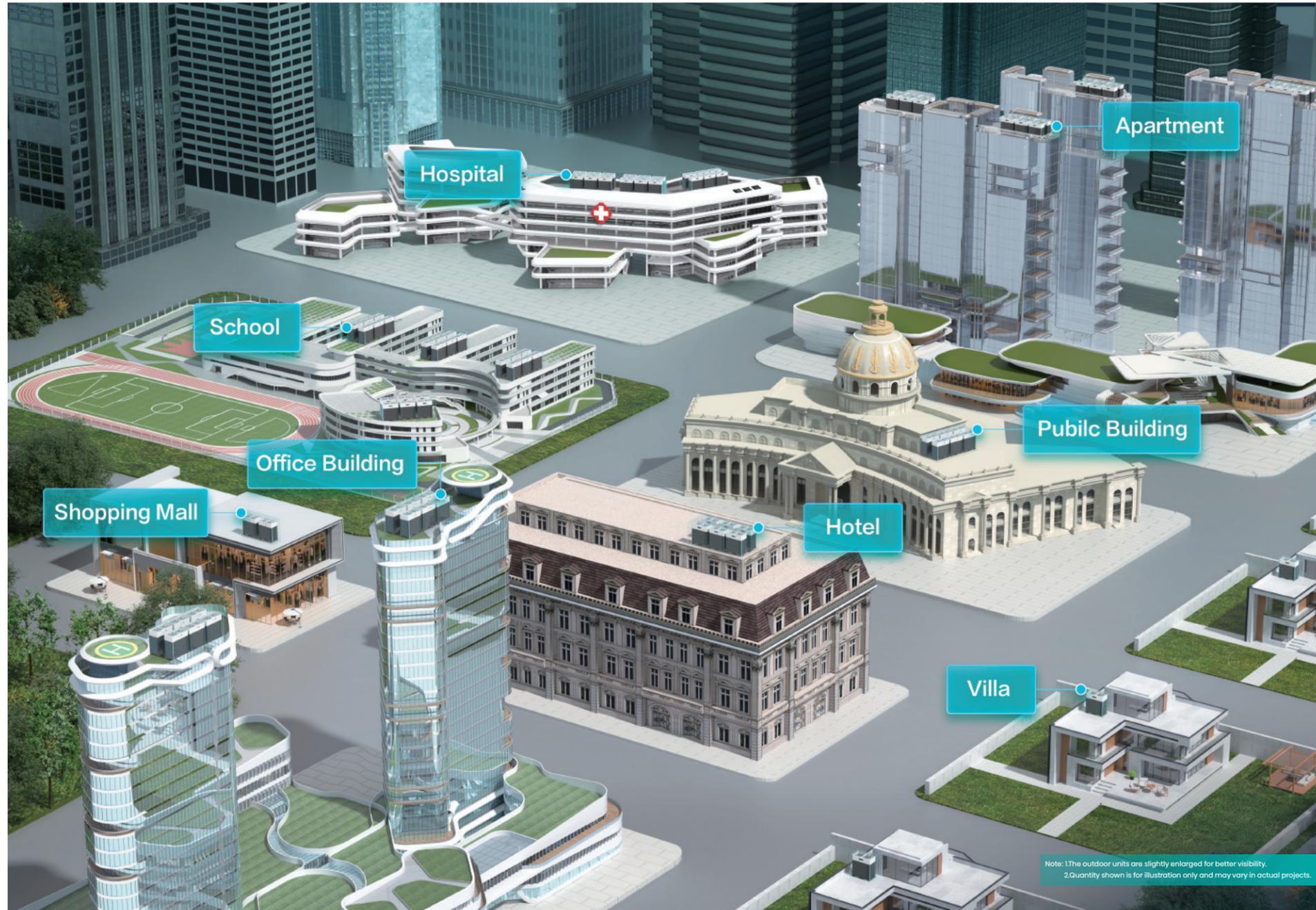
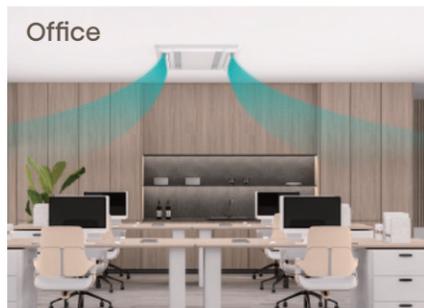
- KPI-driven digital twin operation platform
- AI-powered demand forecasting
- Data-based production planning

### Assured Global Logistics

- 8 large overseas warehouses
- All-round logistics service system
- Strategic partnerships with global leading freight companies

# APPLICATION SOLUTIONS

Each application has unique requirements, so there is no one-size-fits-all solution. To ensure optimal performance and user satisfaction, it is essential to select the most suitable units for each scenario, considering factors such as room size, usage patterns, and environmental conditions. By addressing these diverse needs, Hisense always delivers tailored solutions that maximize comfort and efficiency.



Note: 1.The outdoor units are slightly enlarged for better visibility.  
2.Quantity shown is for illustration only and may vary in actual projects.

# iCare SUPPORT

Hisense HVAC is dedicated to delivering comprehensive air conditioning solutions and supporting customers at every stage—from product development and pre-sales consultation, to quotation, purchase, installation, commissioning, user experience, and after-sales service. With iCare support, Hisense HVAC further strengthens our commitment to customer satisfaction.



## Informative Platform

Hisense has built the technical platform matrix which includes the product selection software, CAD Hi-Design software, BIM, service platforms GCSS, GSD, GKP, etc.



## Customer-oriented Localization

Hisense HVAC boasts over 50 technical and service teams strategically positioned worldwide to offer prompt local support. With more than 5 regional spare parts centers and 20+ national spare parts warehouses, we ensure high-quality and swift spare part supply.



## Accessible Training

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



## Reliable Service

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



## Excellent User Experience

Hisense not only serves as the business's service provider but also delivers outstanding products designed to enhance user experience. By promoting the application of Cloud AI and NFC technologies, Hisense ensures more intelligent, convenient, and seamless solutions for our customers.



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COMFORT

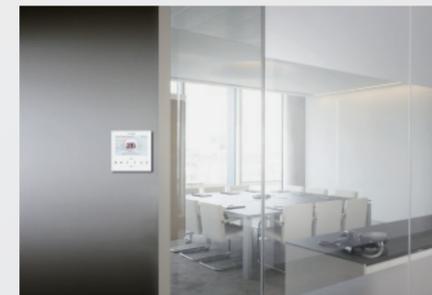


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OUTDOOR UNITS

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| Hi-FLEXi S5 Series  | -43  |
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| Hi-Smart H5 Series  | -88  |
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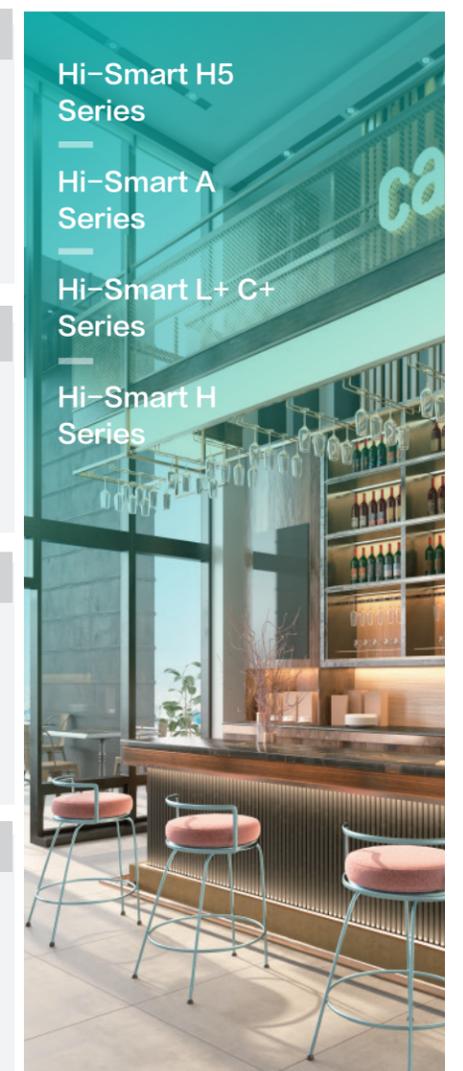
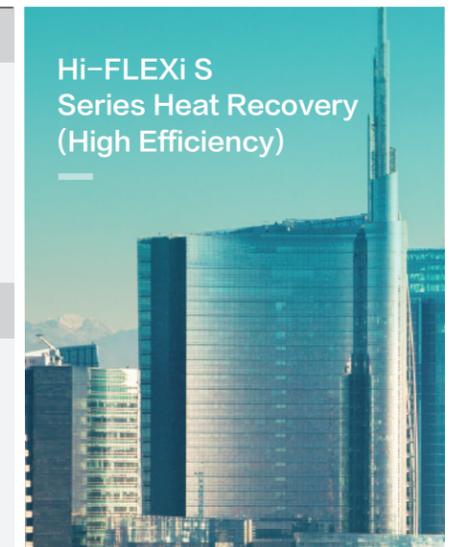
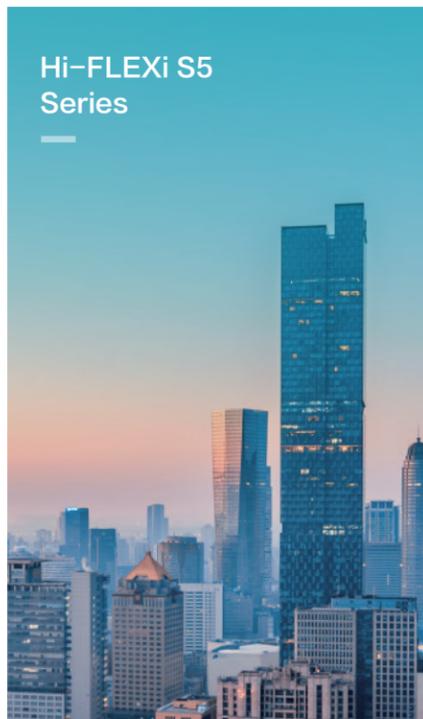
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Hisense VRF

# RELIABILITY

Refrigerant Circuit

Enhanced Anti-corrosion Solution

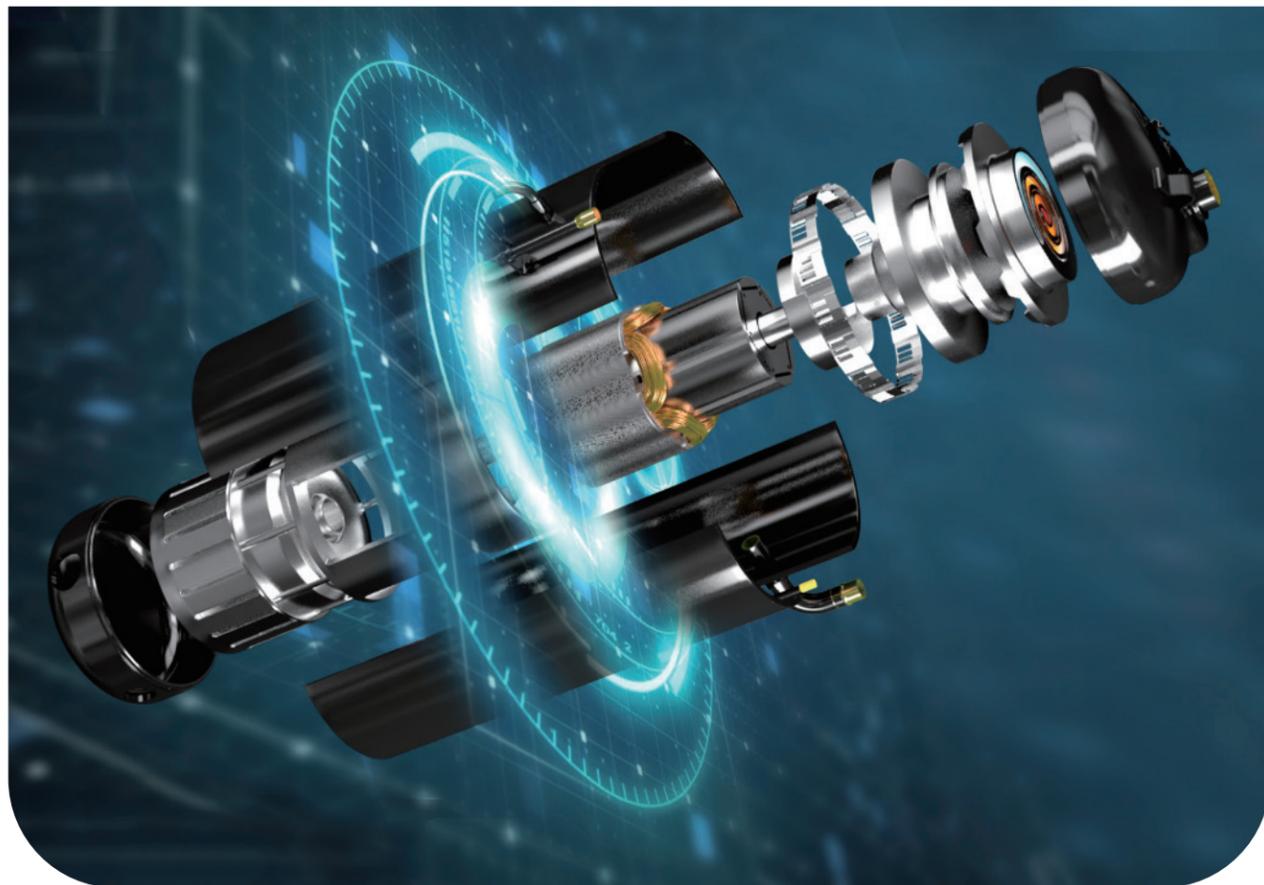
System & Operation

Electrical & Electronics

Indoor Unit Reliability

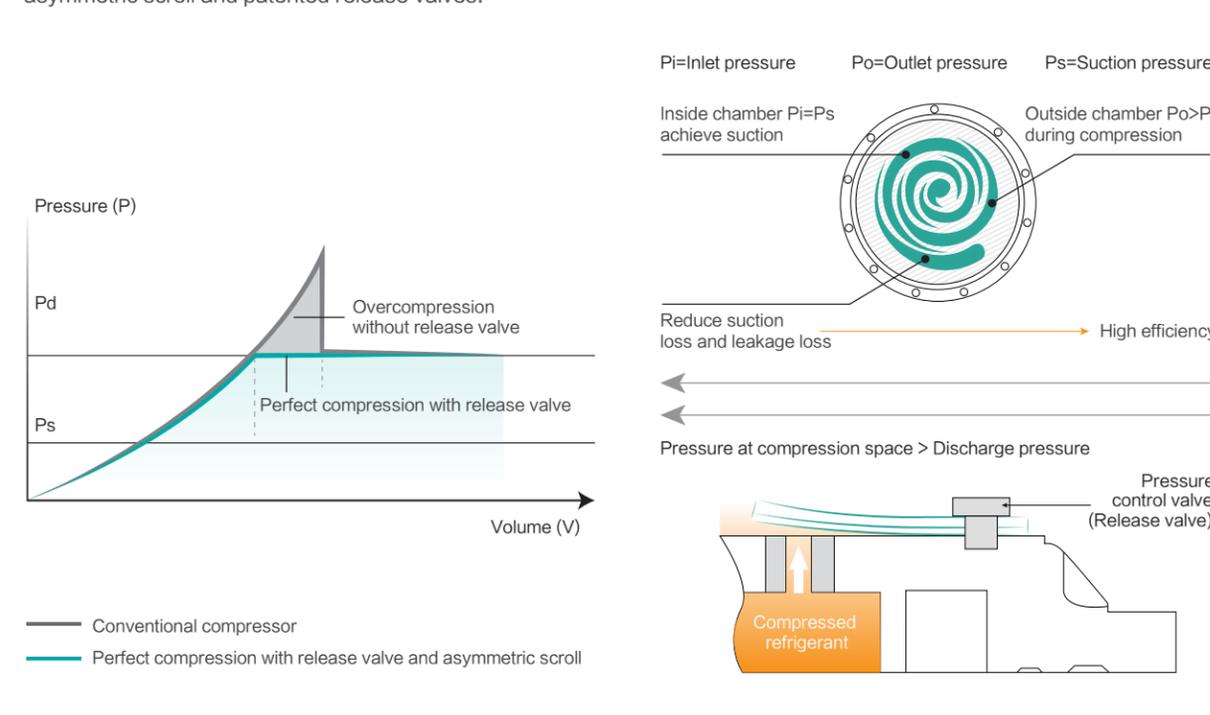
AIR  
CONDITIONING  
SOLUTION

# Refrigerant Circuit



## Efficient energy usage

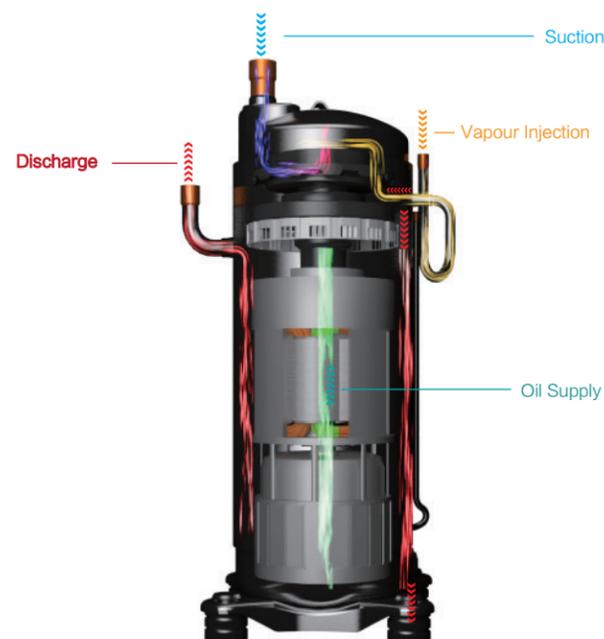
Wasted power is reduced by minimizing leakage and anti-overcompression while compressing refrigerant gas with asymmetric scroll and patented release valves.



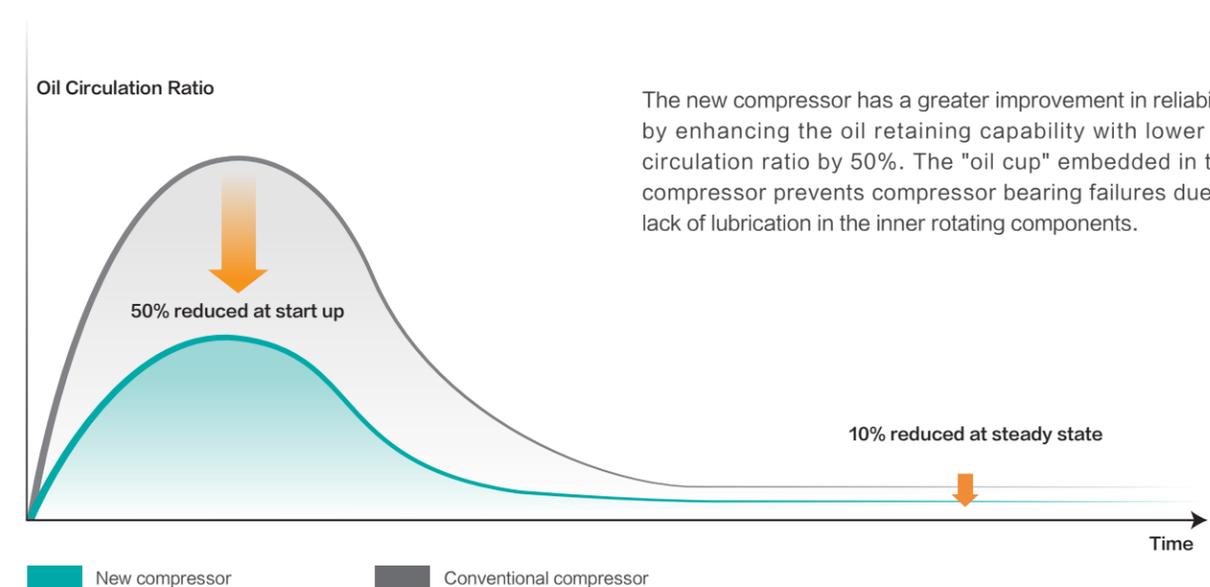
## Revolutionary HVAC compressor

### Vapour injection technology

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



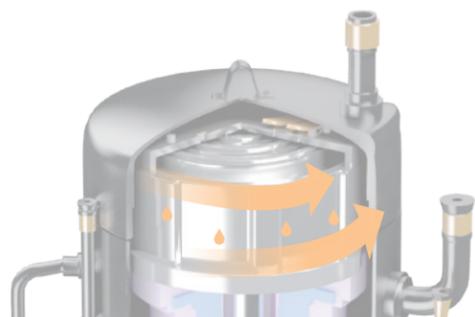
## Enhanced oil level retaining capability



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

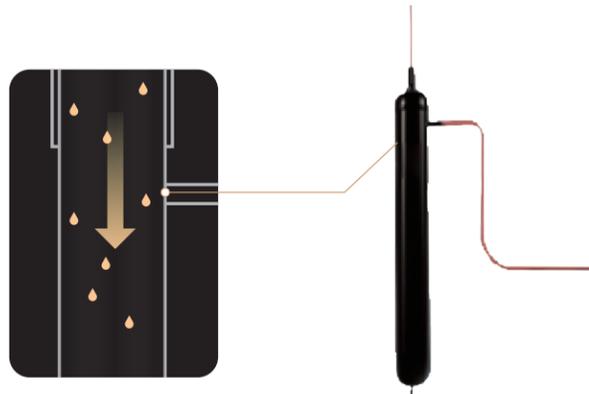
## Oil separation and oil return

### Oil separation



First-stage Oil Separation

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.

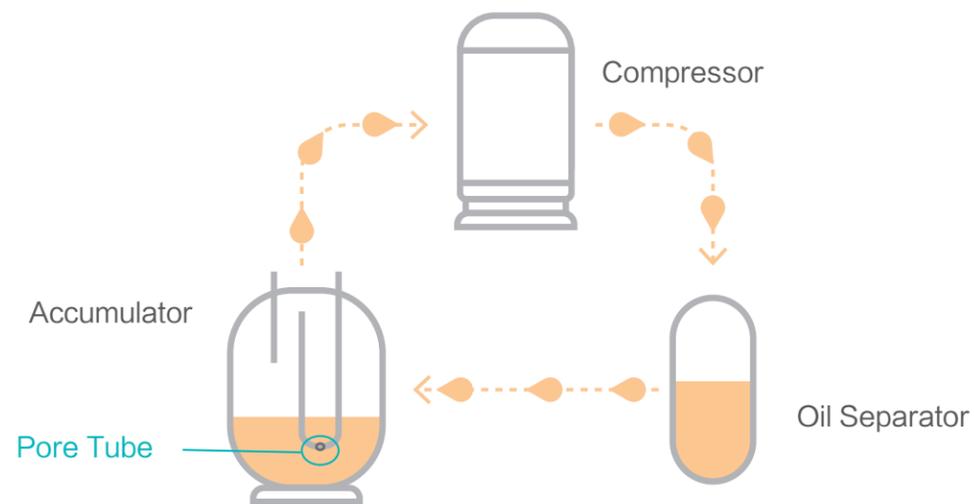


Second-stage Oil Separation

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

### Oil return

The accumulator adopts pore tube oil return technology with a built-in fine strainer, which not only ensures oil balance between compressors within one module, but also plays an important role in the oil balance between modules. Besides this, the system implements oil-return function based on compressor frequency and corresponding operation time. The oil-return takes 60 seconds and can return to previous condition when it is finished. In winter under heating mode, this operation is implemented without switching to cooling mode, which guarantees the heating performance.



## Enhanced Anti-corrosion Solution(optional)



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



- ① **Front Panel** Galvanized steel treated with zirconium & 100 μm ~ 180 μm epoxy zinc rich primer + pure polyester paint coating.
- ② **Heat Exchanger** Dark Gray fin (with epoxy resin and acrylic resin & hydrophilic film); Cooper fin.
- ③ **Electrical Box** Galvanized steel treated with zirconium & 50 μm~120 μm pure polyester.
- ④ **Fan Motor** Coated with 10 μm ~ 30 μm acrylic resin coating Thickness: 10 μm ~30 μm.
- ⑤ **Top Grill**
- ⑥ **Motor Bracket**
- ⑦ **Protection Net**

**Note**

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

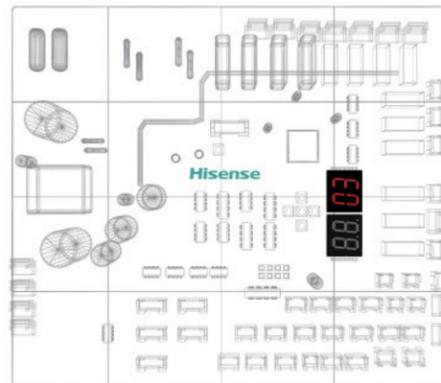
# System & Operation



## Self-diagnosis & self-protection measures

### Self-diagnosis

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



### Self-protection

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



## Smart rotative operation

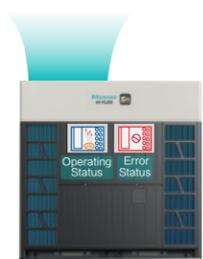
Operation duties are smartly balanced in higher capacity module combinations to prevent occurrence of individual unit overworked and hence extending the overall operating life of the overall system.



## Multiple backup operation



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



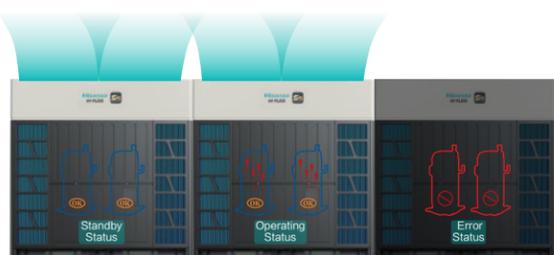
**Inverter PCB Backup**  
If one of the inverter PCB fails, the remaining inverters can also continue functioning in an emergency.



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



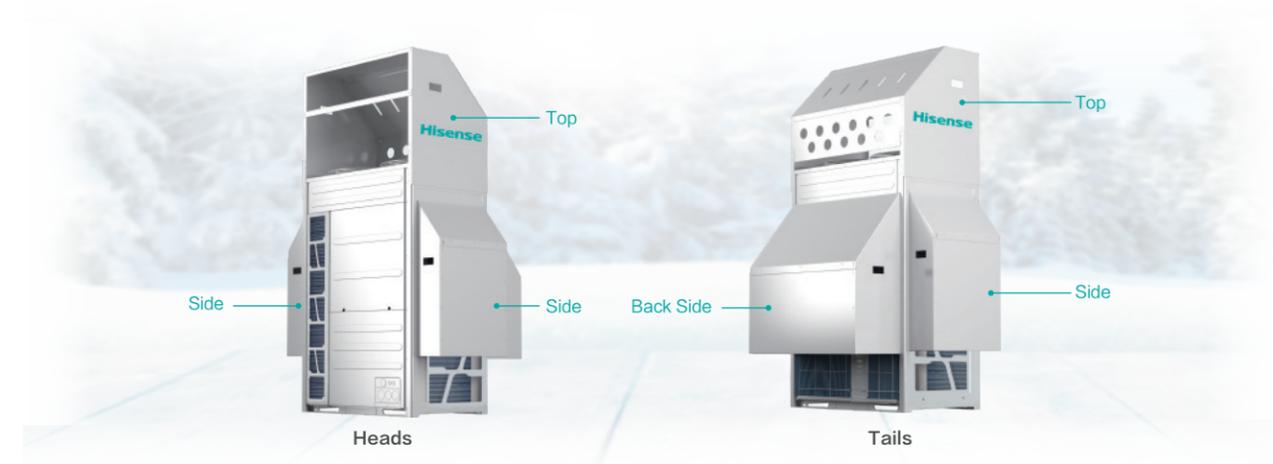
**Sensor Backup**  
Using digital twin technology, virtual sensors are generated based on the built-in pressure and temperature values of the unit, providing mutual backup for emergency operation.



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

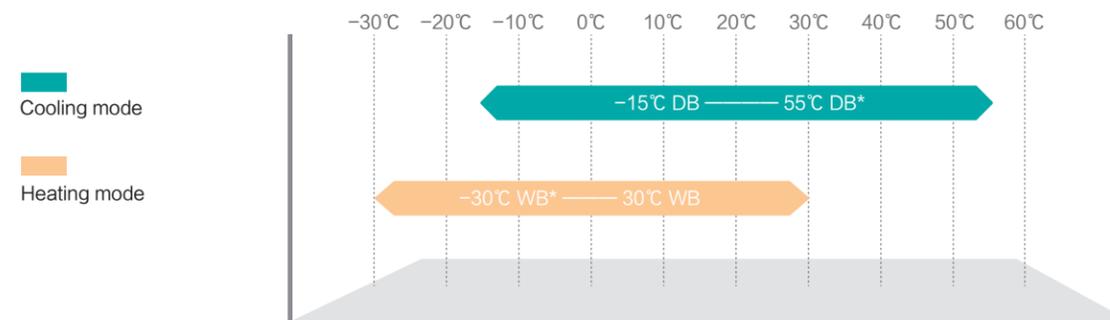
## Snow hood (optional)

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



## Wider operation range

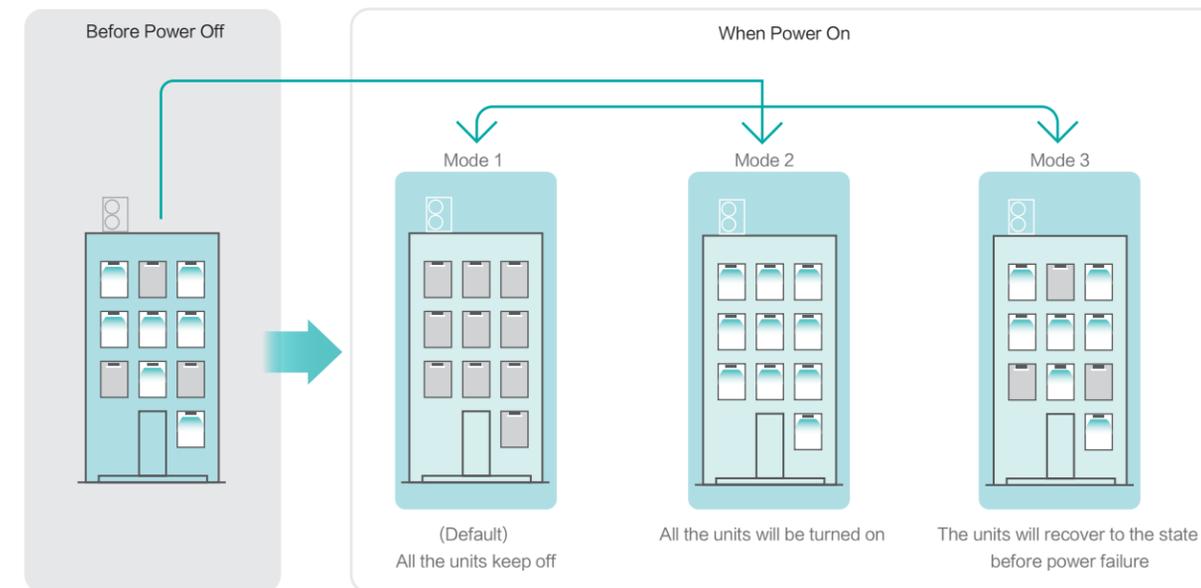
Extended operation range creates wider application potential, in cooling mode the operation range is from  $-15^{\circ}\text{C}$  DB to  $55^{\circ}\text{C}$  DB and in heating mode the operation range is from  $-30^{\circ}\text{C}$  WB to  $30^{\circ}\text{C}$  WB, which adapts to extreme conditions.



**Note**  
The above data is based on S5 Series. Please refer to the specification of each series for detailed operation range.

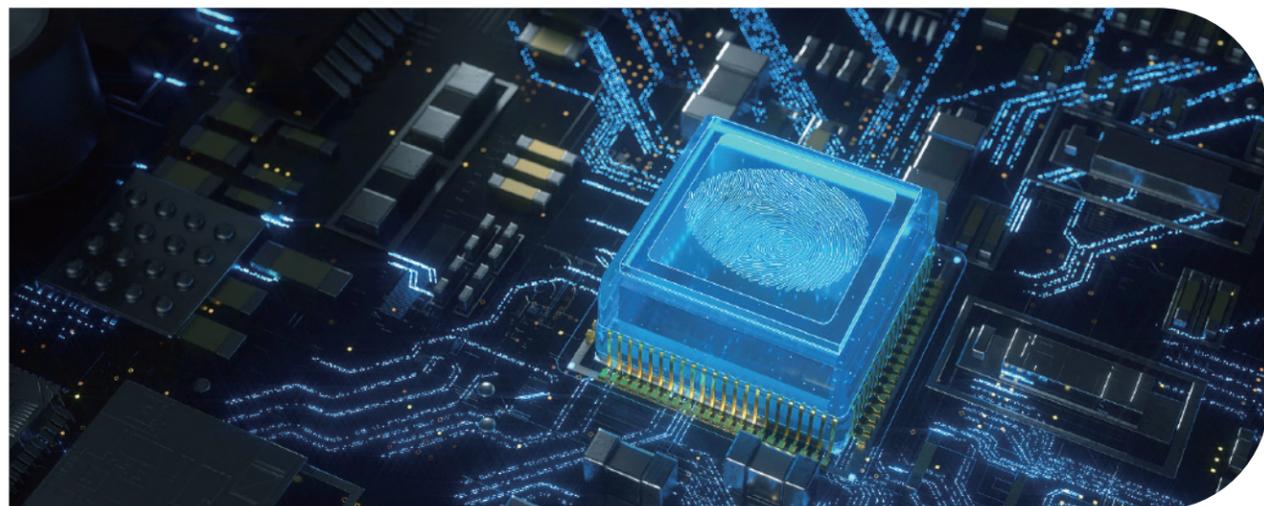
## Automatic Restart

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



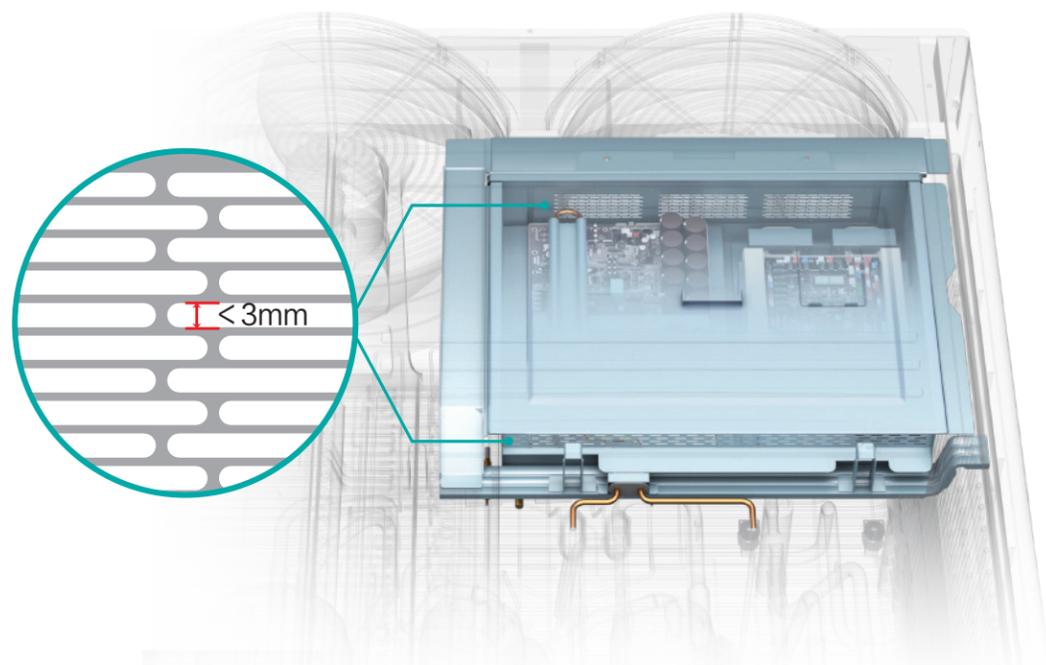
\* DIP setting is necessary for mode 2 and mode 3.

# Electrical & Electronics



## Insect protection design

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



## Voltage protector reserved (optional)

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



## Quality electrical and magnetism precaution measure

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

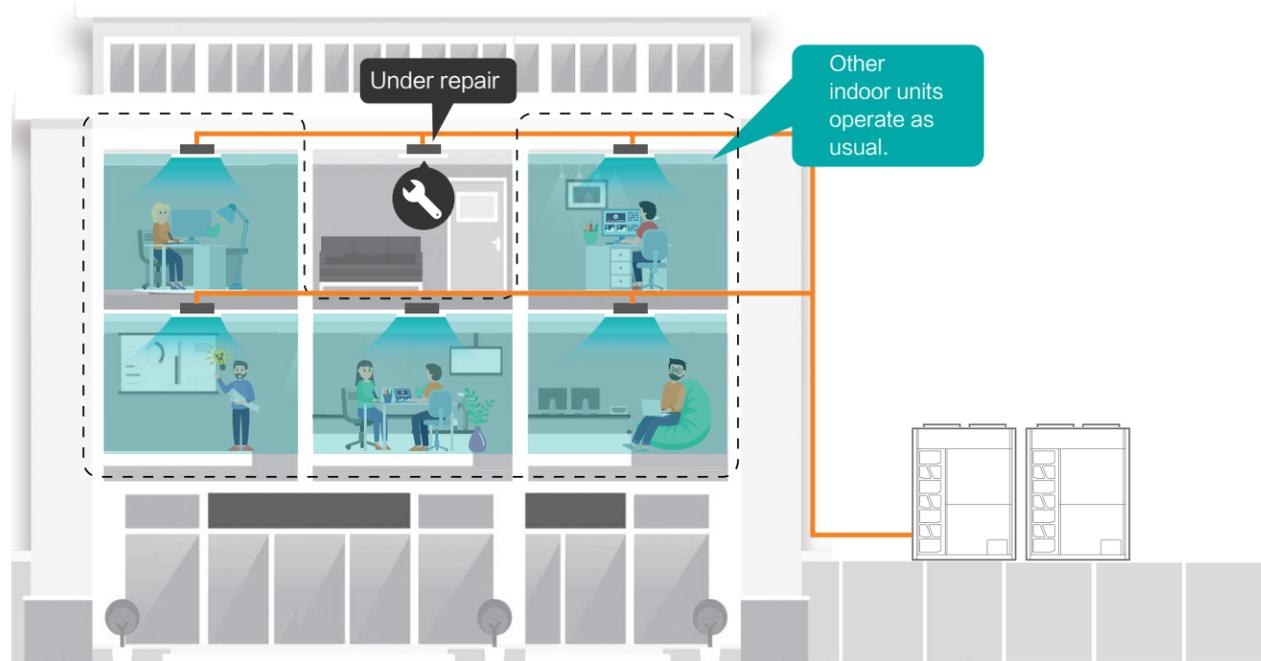


# Indoor Unit Reliability



## Independent maintenance of indoor unit

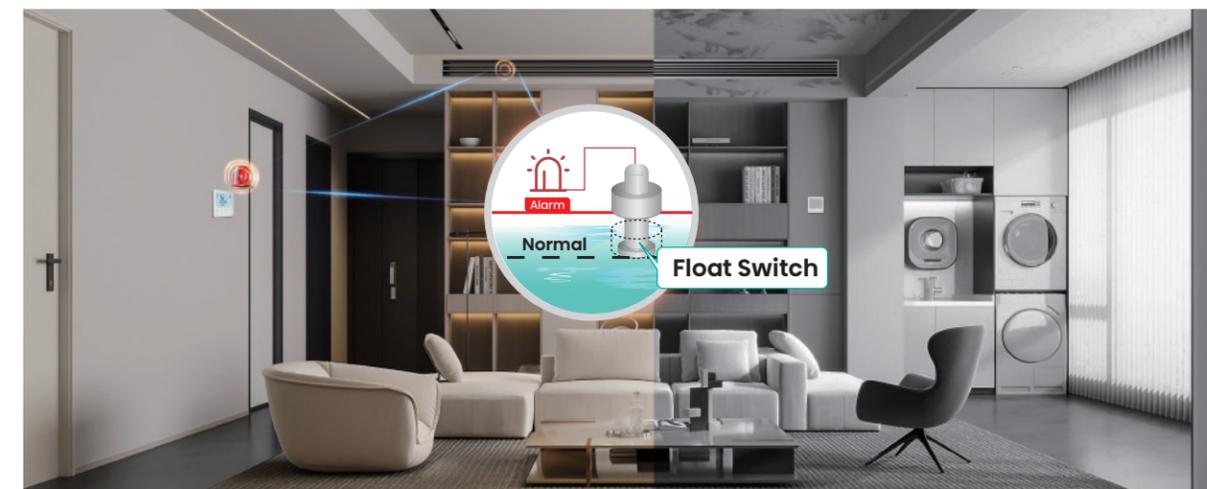
To maintain the whole system's continuous operation even when there is a breakdown occurring within the system, Hisense VRF is capable to isolate the faulty unit from the others while conducting restoration and maintaining continuous operation of other units simultaneously. It's especially practical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



\*Preliminary setting is unnecessary

## Condensate water leakage protection

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



## Effective drainage solution

### High quality seals

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

### Transparent drain pipe

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

Hisense VRF

# EFFICIENCY

Efficient Heat Exchanger

Intelligent Defrosting Logic

Steady Air Discharge

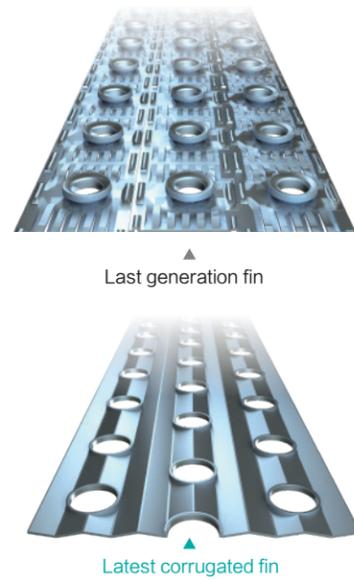
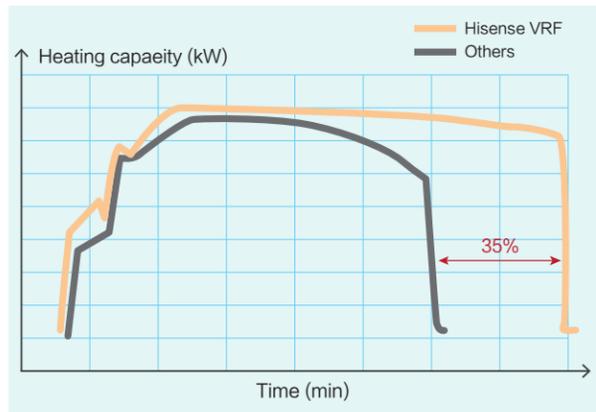
AIR  
CONDITIONING  
SOLUTION

# Efficient Heat Exchanger

## New advanced corrugated fin design

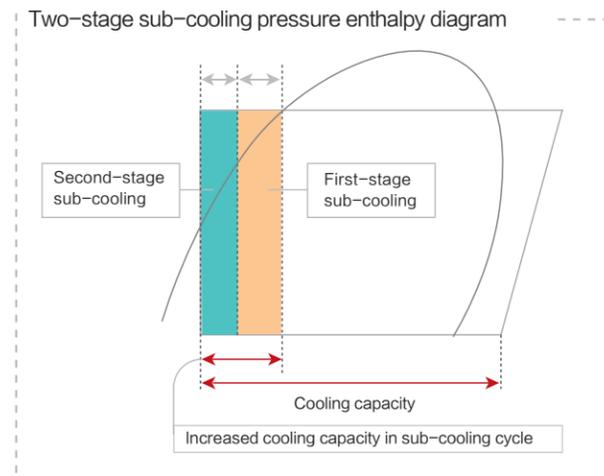
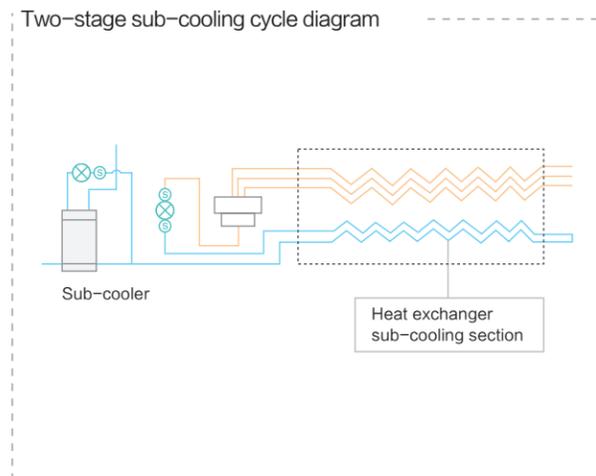
The heat exchanger of Hisense VRF adopts the new advanced corrugated fin design. With this new design, larger amount of fins can be allocated into the heat exchanger, increasing 20% heat exchange surface area maximally compared with the last generation fin and the heating capability increase 10% averagely.

### Long-time stable heating performance



## Two-stage subcooling

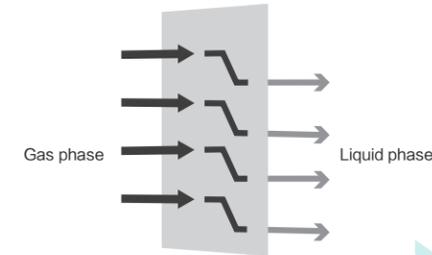
For the conventional VRF systems without the sub-coolers, the subcooling temperature is about 12.5°C with one-stage subcooling. However, Hisense VRF's 2-stage subcooling technology can realize the subcooling temperature up to 27°C, distinctly improving the cooling capacity by pushing refrigerant further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



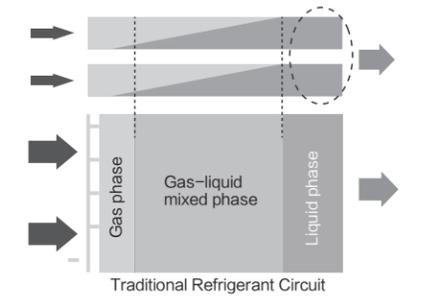
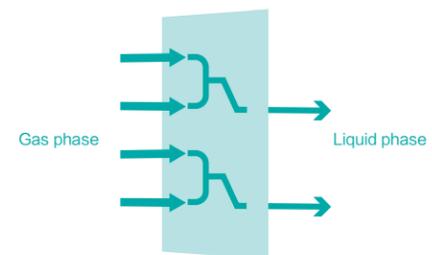
## Optimized refrigerant circuit

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

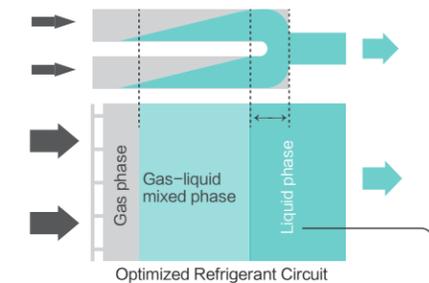
### Conventional technology



### 2-to-1 refrigerant flow path



Traditional Refrigerant Circuit

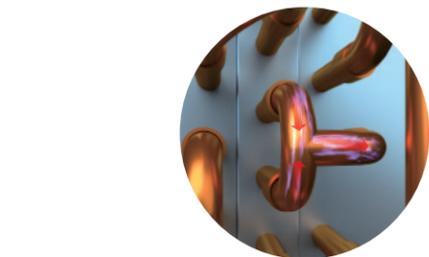
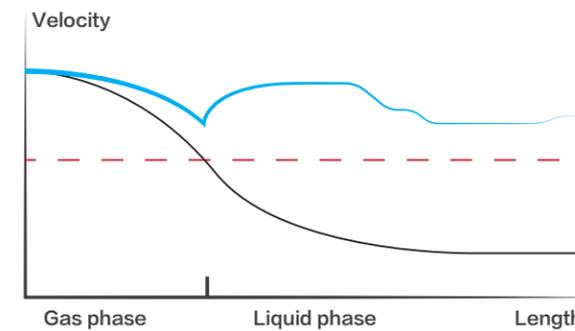


Optimized Refrigerant Circuit

Gas Refrigerant Liquid Refrigerant

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

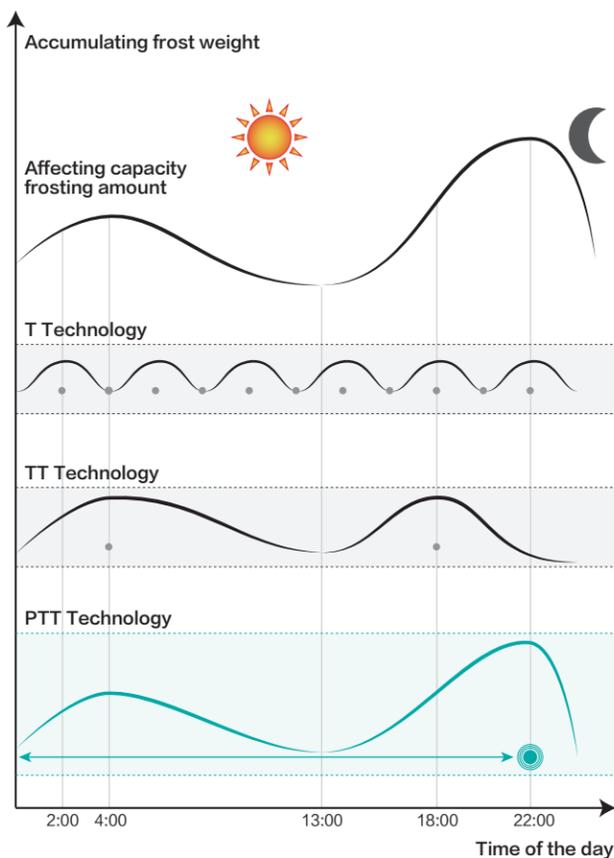
### Why does 2 to 1 refrigerant circuit is higher in efficiency?



2 to 1 refrigerant circuit: velocity is maintained same goes to the efficiency of refrigerant heat exchange.  
 Conventional refrigerant circuit: Heat exchange slows down with decreased velocity. Efficiency is greatly reduced.

# Intelligent Defrosting Logic

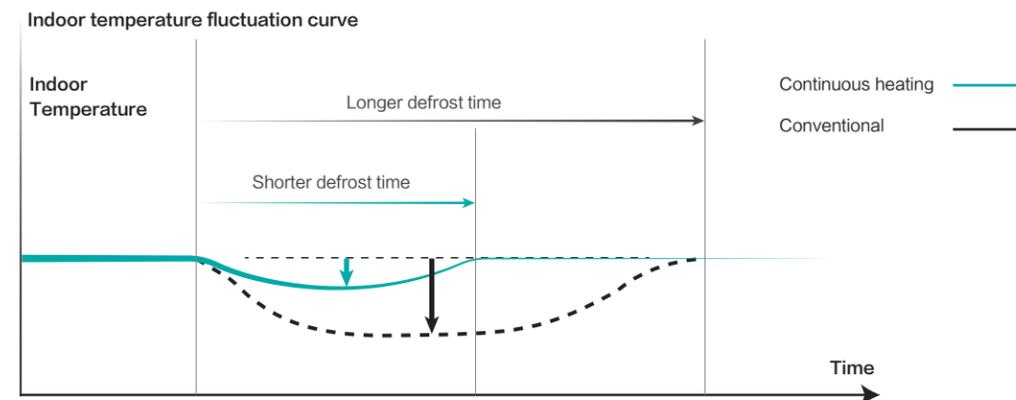
## PTT defrosting mode



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

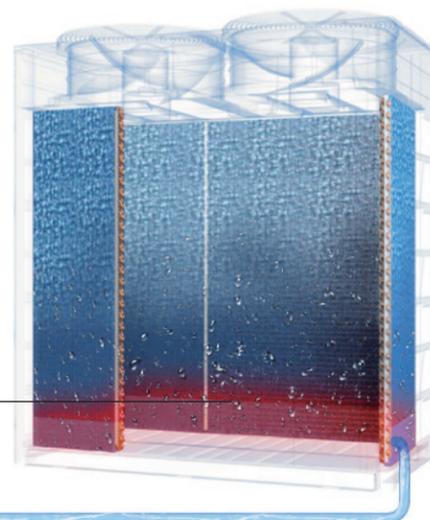
## Continuous heating during defrost

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



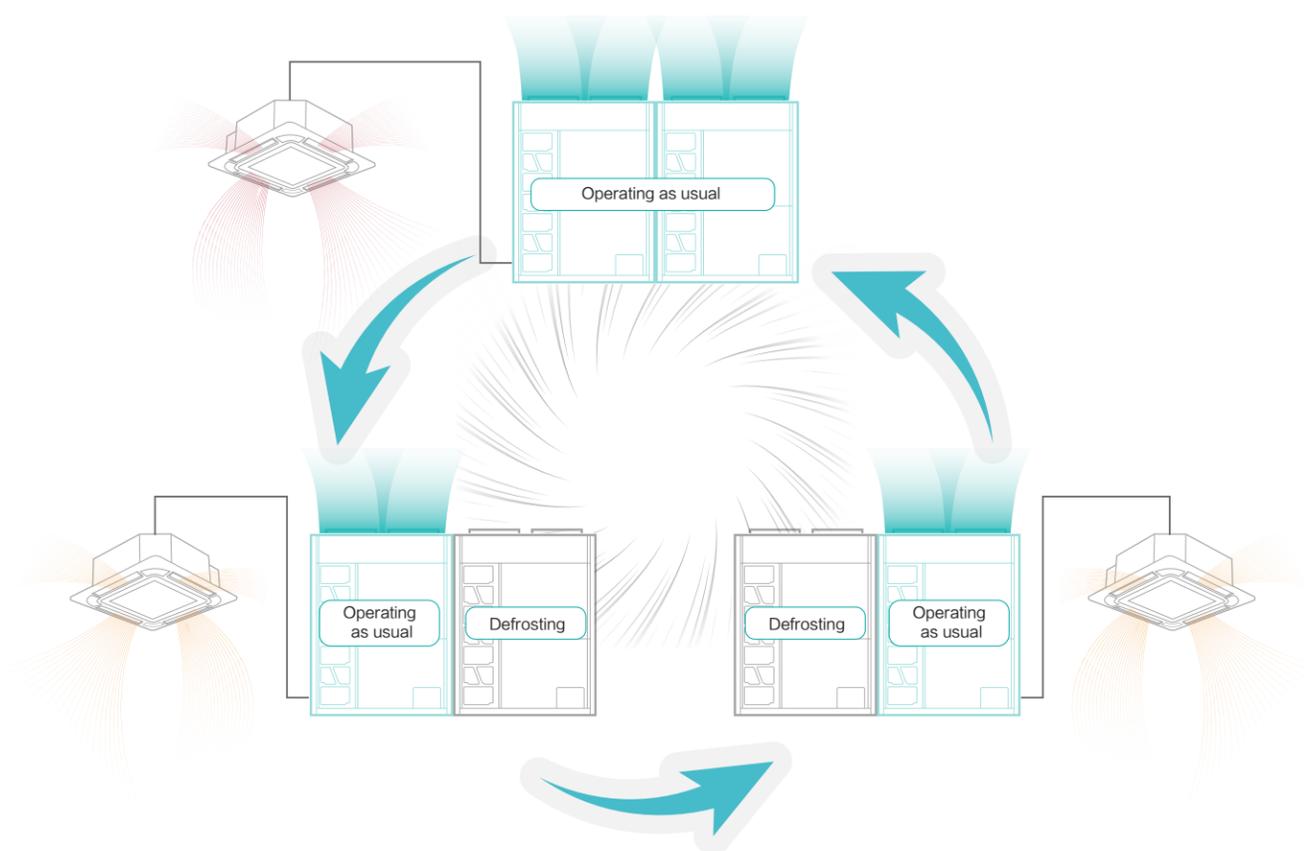
## Bottom anti-frosting structure

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.



Extended heat exchange coils, keeping the bottom warm

Smooth continuous condensate drainage

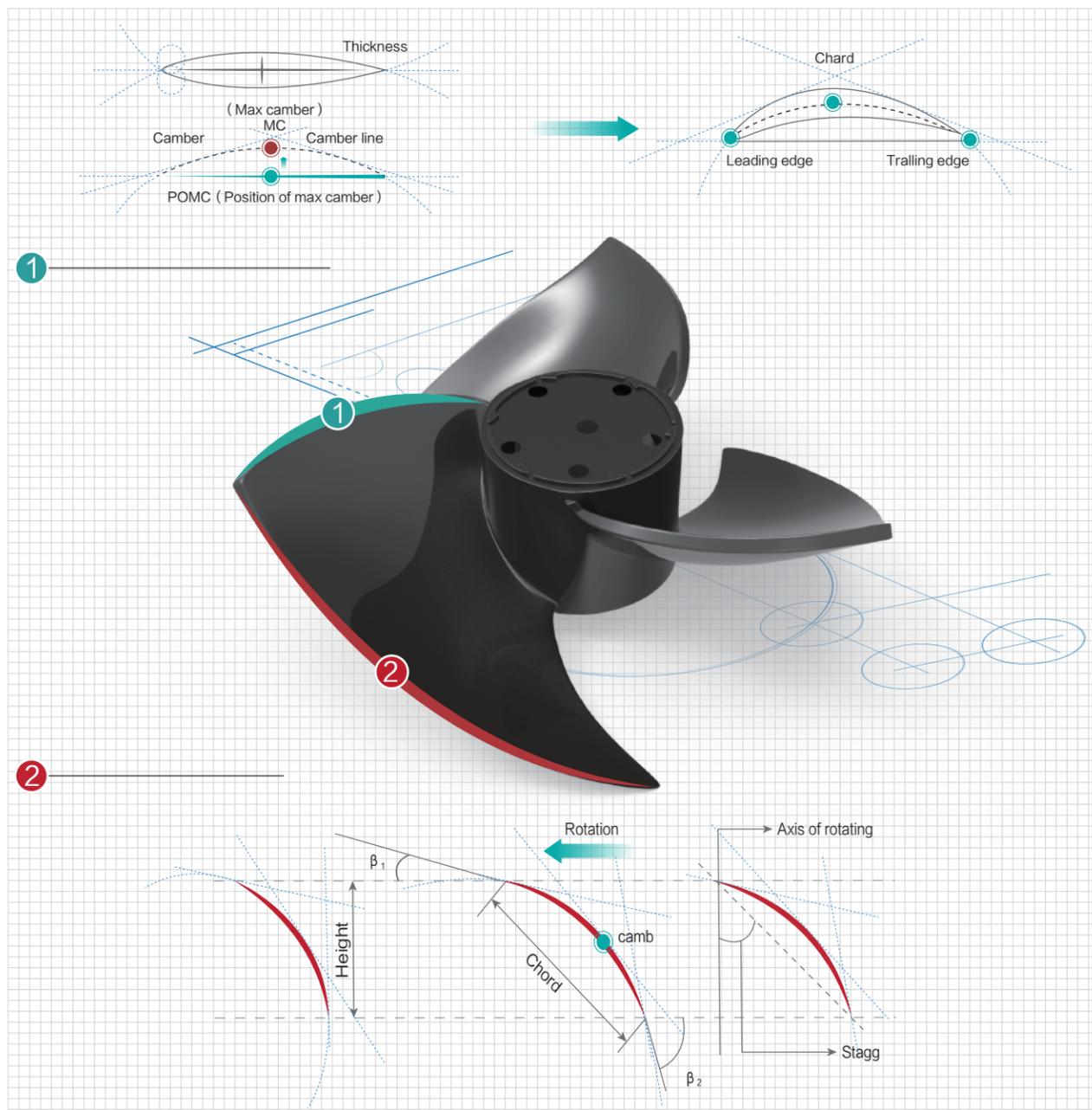


**Note**  
Available for modules combination of S heat recovery series.

# Steady Air Discharge

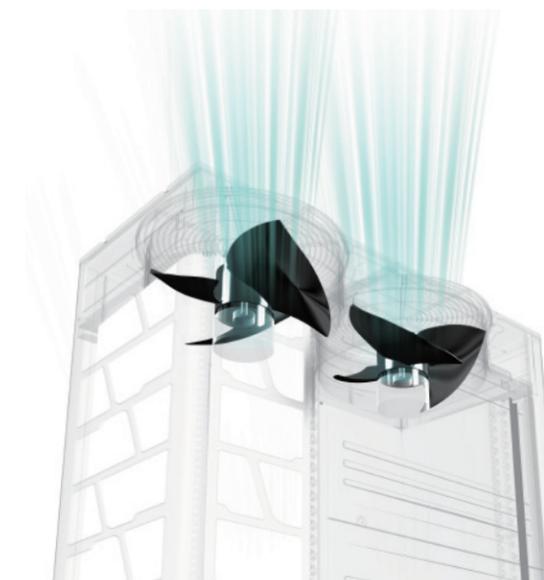
## High efficiency aerodynamic axial fan

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



## Stepless-smooth fan speed control

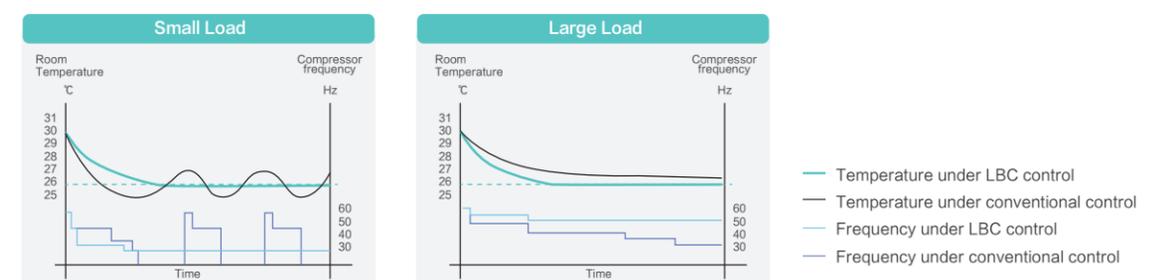
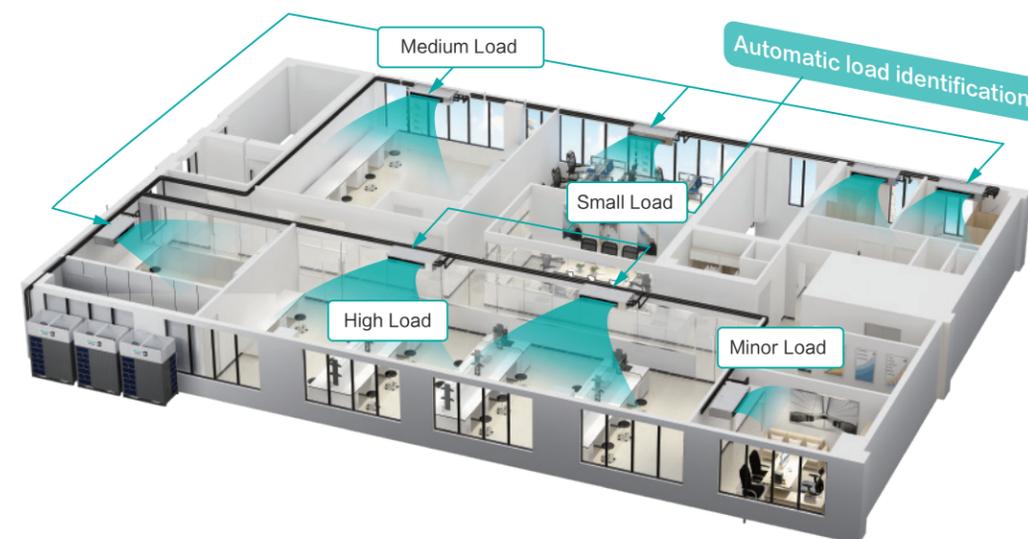
Inverter fan motors are now commonly used, where efficiency increase by 40%. Whereas in Hisense VRF, brushless DC fan motors are used, as it could further reduce power consumption and noise production than normal inverter motors.



Efficient axial fan

## LBC Load balancing control (LBC) technology

By identifying actual load demand in real-time, it adjusts the air volume and temperature automatically to balance the load output of different rooms. It reduces power consumption by 18% during low loads and speeds up temperature adjustments by 50% during high loads.



Hisense VRF

# COMFORT

Smart Air Supply

Lower Noise

Clean Fresh Air

Auto Refrigerant Temperature Control (ART)

VIP Mode

AIR  
CONDITIONING  
SOLUTION

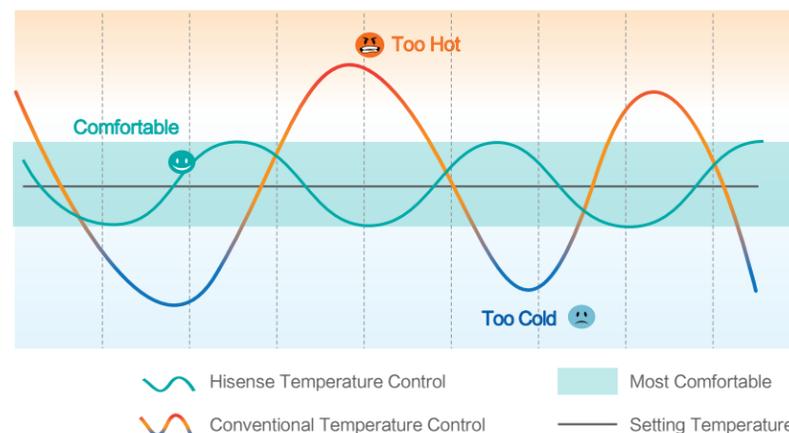
# Smart Air Supply

## Precise temperature control

There are multiple temperature sensors equipped in the system, which will be very helpful to judge the indoor load more accurately. Also the 3000-step EEV is specially adopted to ensure precise refrigerant flow adjustment according to the actual load of indoor units, achieving a more comfortable indoor environment with small temperature fluctuation.

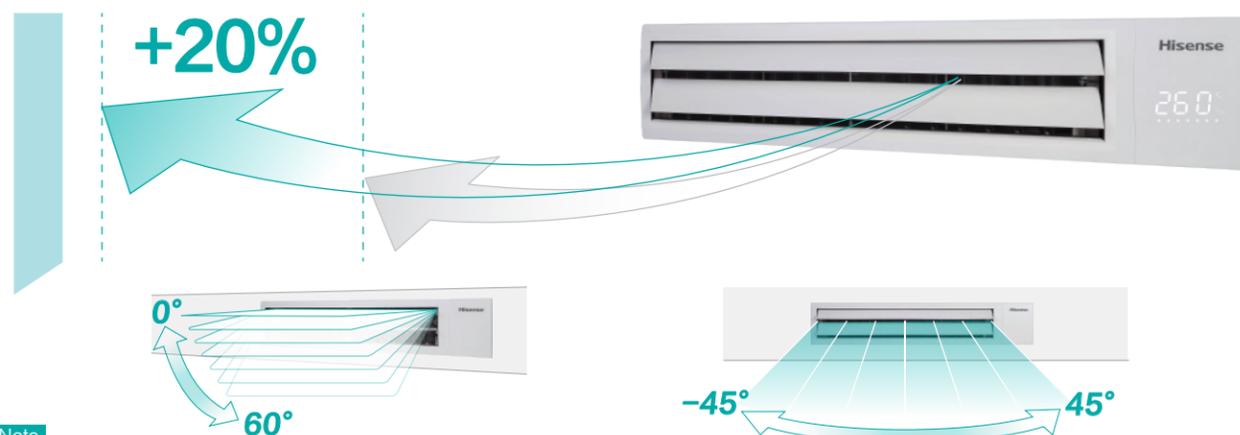


3000-step EEV



## 3D air-flow panel(optional)

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



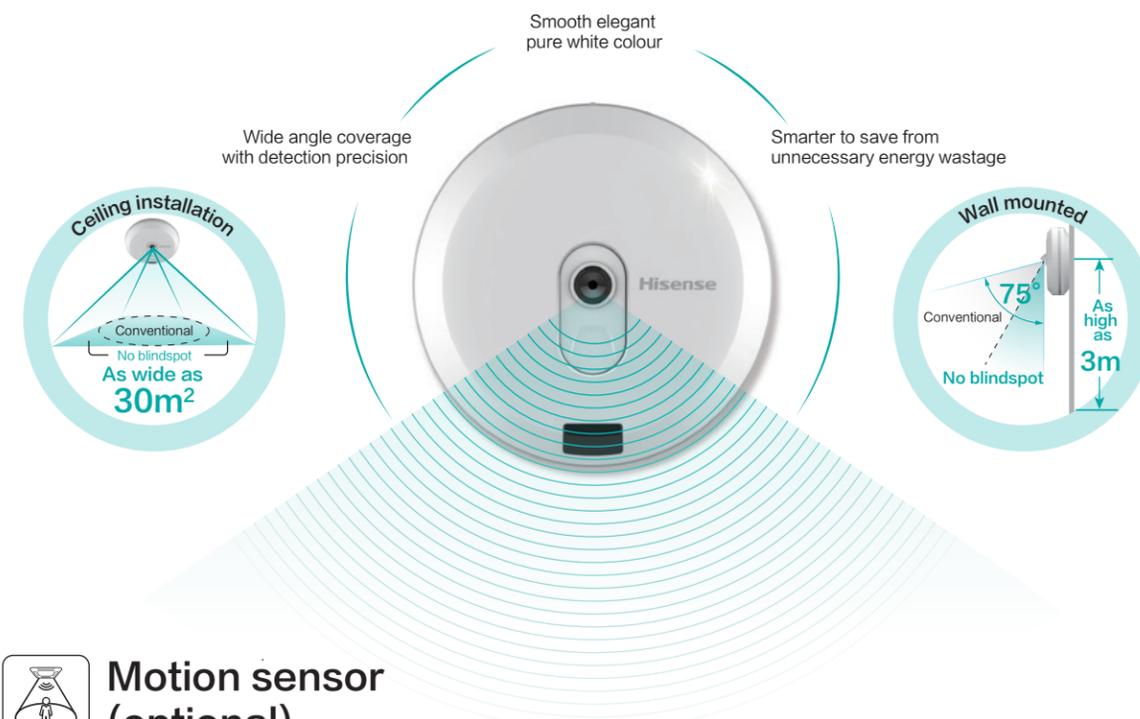
**Note**

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

## Hi-motion (optional)

Hi-Motion works as an independent human sensor and can be installed separately from indoor unit. It can detect the human activities indoors to provide comfort and energy savings.

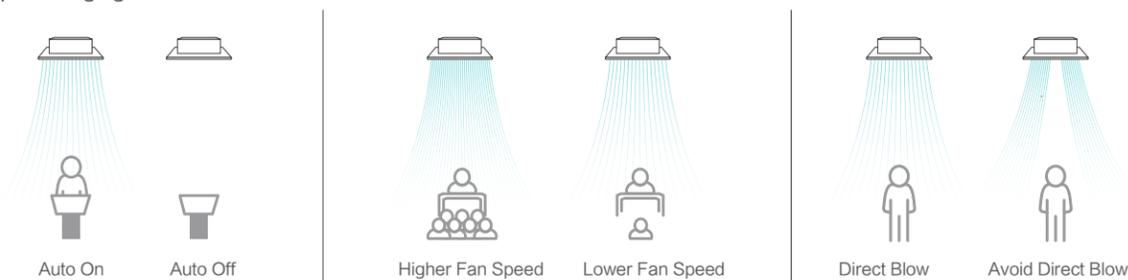
1. Automatically stops the unit when no one is in the room in order to realize energy saving.
2. Adjusting the setting temperature and air flow according to the actual human activity.



## Motion sensor (optional)

Motion Sensor, assembled in the panel of 4-Way Cassette and Mini 4-Way Cassette, can provide a more comfortable environment, and achieve efficient and energy-saving operation of the unit at the same time.

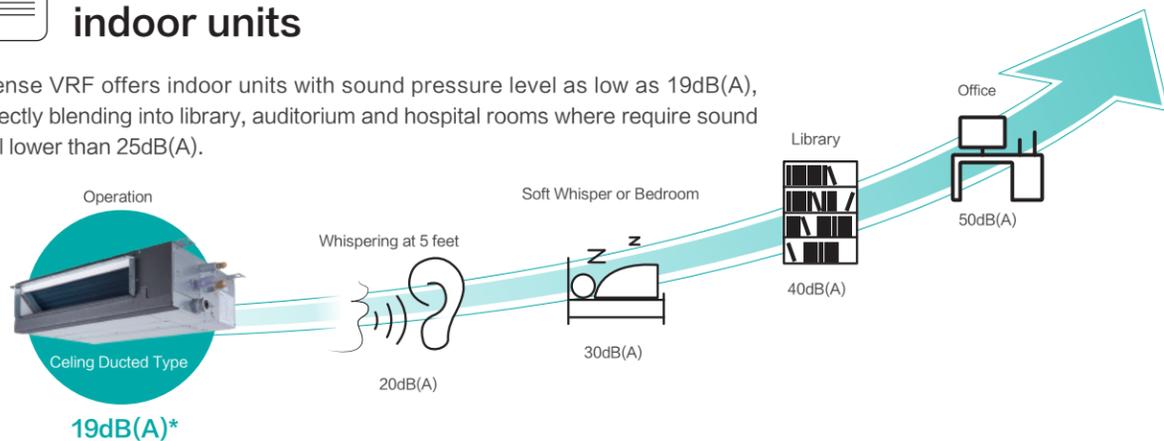
1. With the sensor, indoor unit can be turned ON or OFF automatically when people enter or leave the room.
2. The sensor can automatically detect people's locations, allowing the airflow direction to be adjusted to either target directly or avoid them based on preference.
3. The setting temperature can be changed automatically by detecting the number of people changing.



# Lower Noise

## Lower noise for indoor units

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



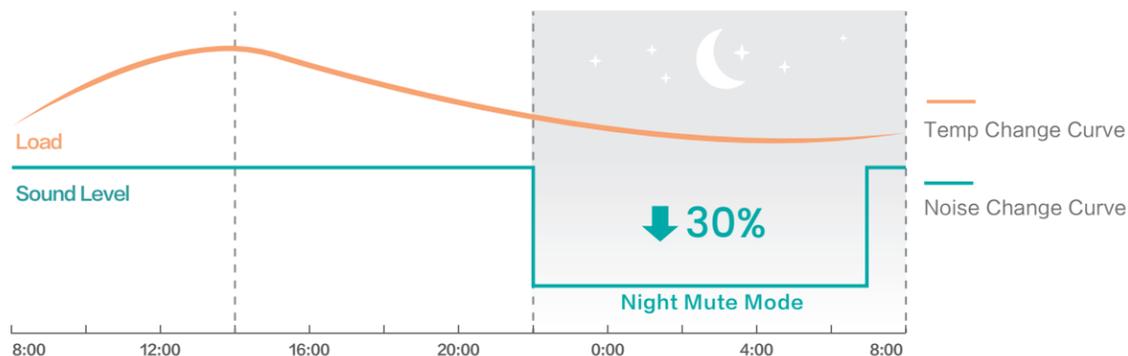
**Note**

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

## Outdoor unit noise control

### Auto night quiet mode

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



**Note**

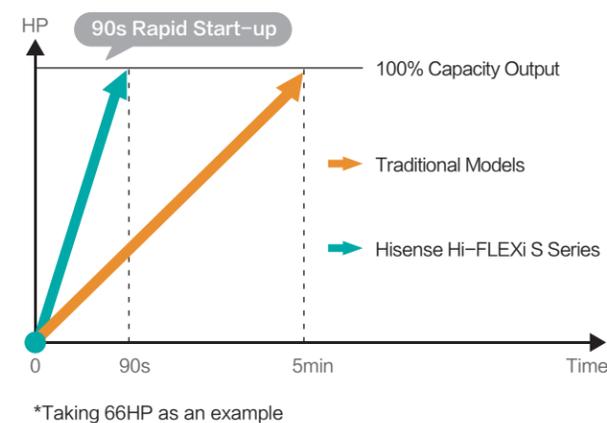
\*1 : The night mute mode can last for 8hrs, 9hrs or 10hrs according to the setting.

### Low noise mode

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

# 90s Rapid Heating Start-up

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

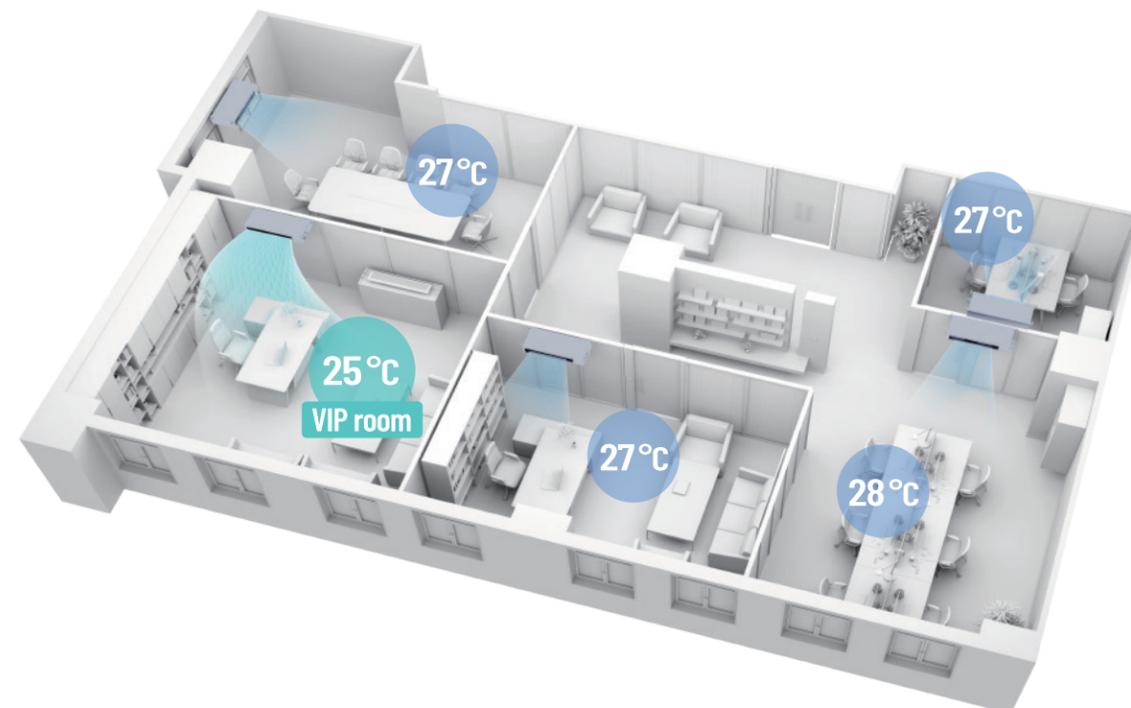


\*Taking 66HP as an example



# VIP Mode

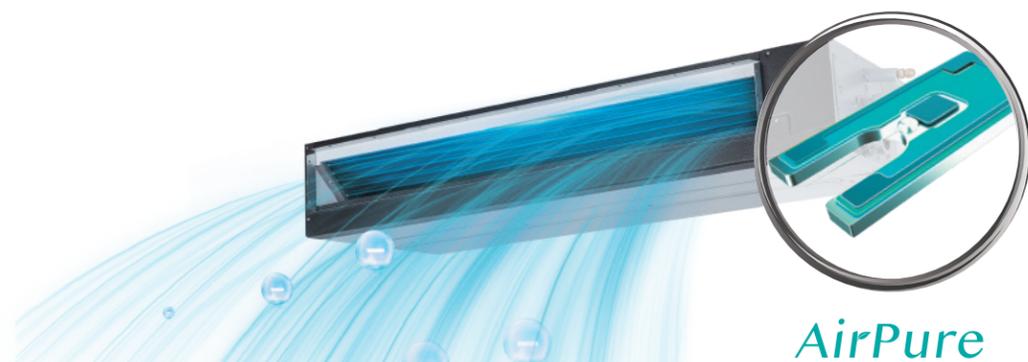
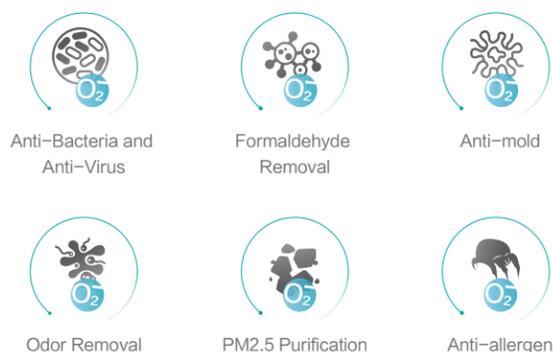
Hisense VRF offers VIP mode to give priority to the specific room, keeping them comfortable and satisfied as fast as possible and 5 indoor units can be set as VIP mode at the same time. Such function is exclusively practical for hotel application, where AC unit in the presidential suite is often set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



# Clean Fresh Air

## AirPure

Hisense VRF indoor unit equipped with AirPure kit can release lots of negative ions, about 20 million pcs/cc. These negative ions are carried throughout the room with air-conditioned air flow whereby obtaining air conditioning and air purification simultaneously. With the AirPure kit, the indoor unit has got the Tick Mark certification which is an authentication for air-conditioning sterilization products.



**Note**

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

## Self-cleaning function

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



**Note**

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

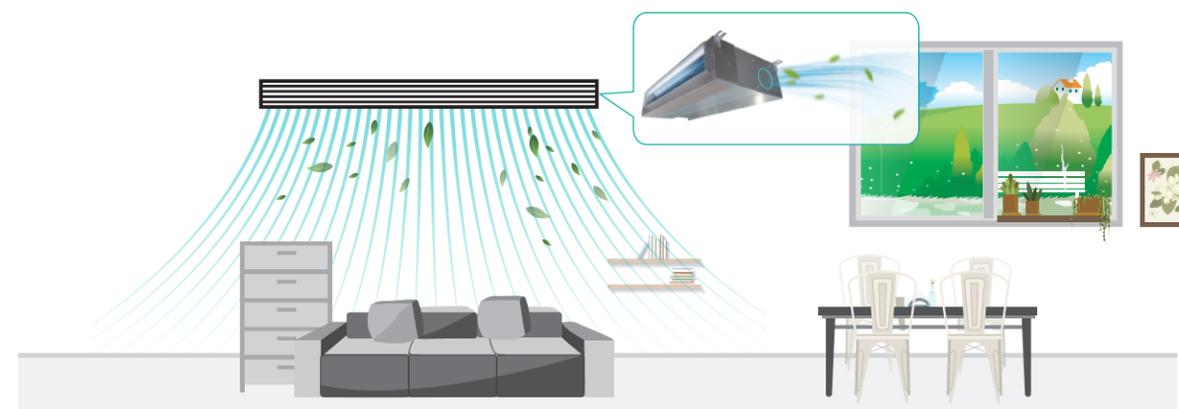
## Humidity sensor (optional)

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



## Fresh air intake

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



# FLEXIBILITY



Design Flexibility

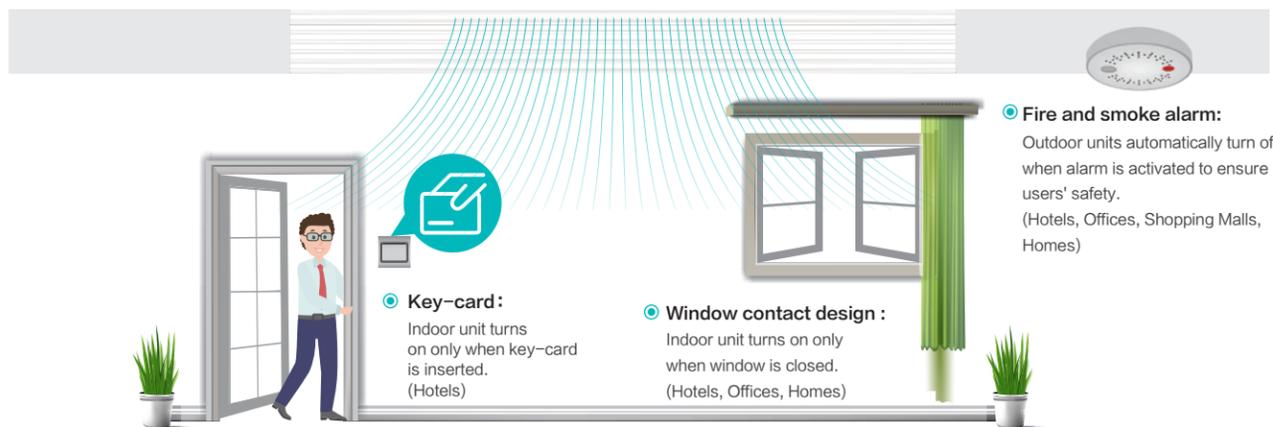
Installation Convenience

Service & Maintenance Simplicity

# Design Flexibility

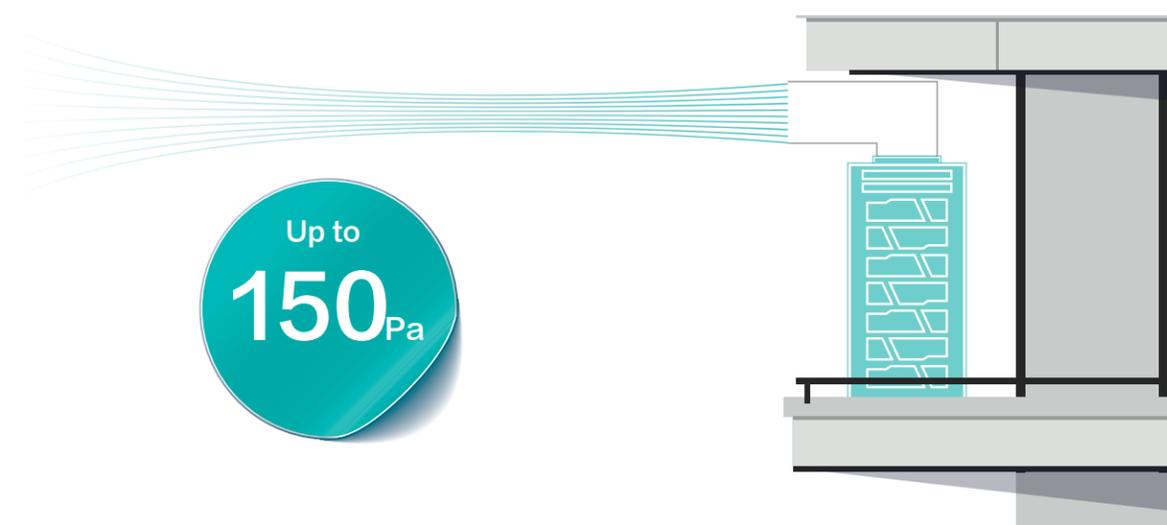
## Interlocking solution using dry contact

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



## Adaptive fan static pressure technology

External static pressure is essential to determine the air discharge and duct connection distance. Hisense VRF's outdoor unit external static pressure is reachable up to 150Pa. Allowing longer ducting connection for better air discharge when are installed in the equipment platform that is not easy to exhaust.



**Note**  
The initial setting of S5 series is 110Pa, and can achieve 150Pa with a pressurization kit. For detailed information, please contact Hisense technical engineers.

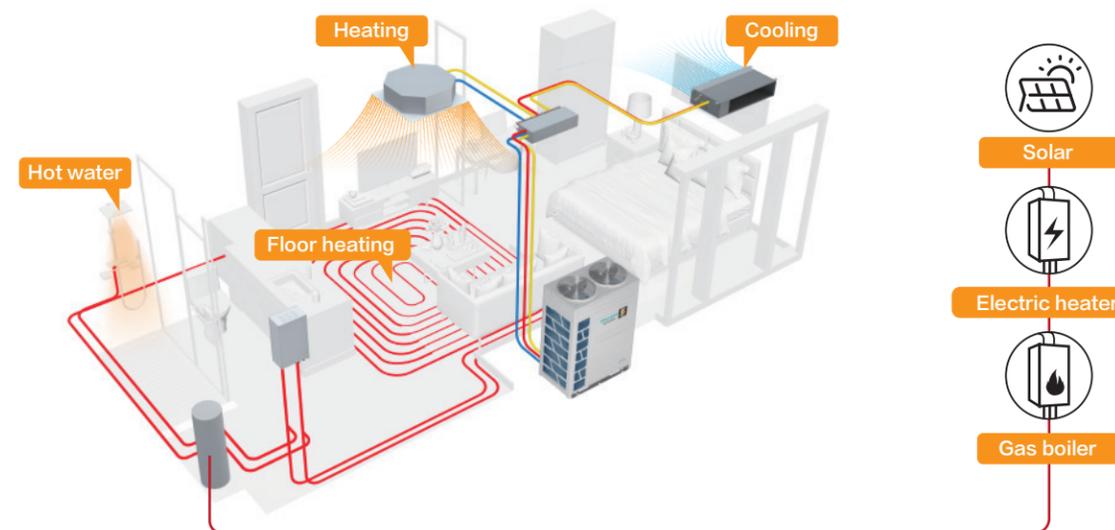
## Space-saving with reduced footprint

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



## All in one renewable energy solution

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



# Installation Convenience

## Compact and light-weight

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



## One-touch test run

Test run is an essential part of the commissioning process. To make it as simple as possible, the S5 series offers three one-touch methods for installers with just a single button press, regardless of whether indoors or outdoors.



Method 1: PCB button press



Method 2: NFC control on the APP



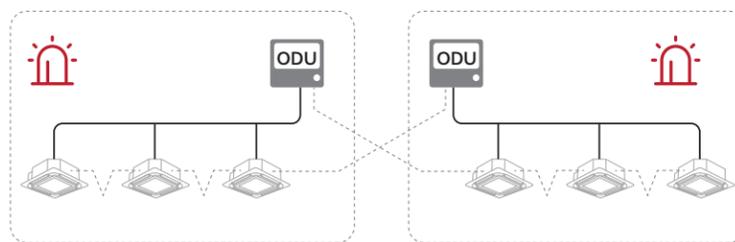
Method 3: Through the wired controller

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

## Error-free communication connection

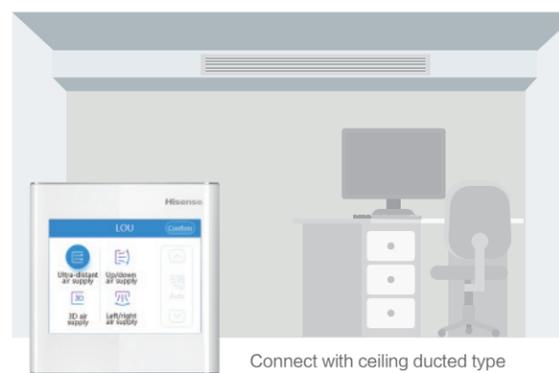
Communication line connections between outdoor unit to indoor units might be confusing when comes to long cables from the outdoors to the indoors and vice versa. It is often incorrectly connected and caused various errors affecting the end user's comfort levels. Despite of Hisense VRF's simple wiring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

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



## AUTO Intelligent matching IDUs

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



Connect with ceiling ducted type



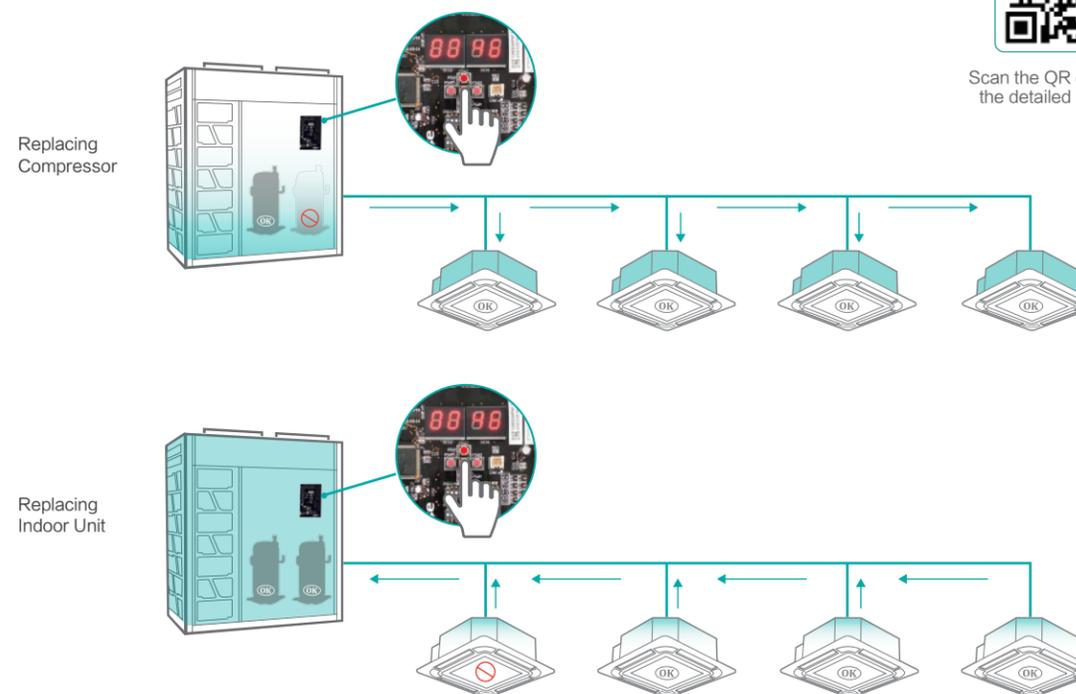
Connect with 4-way cassette type

## One-touch refrigerant recycle

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



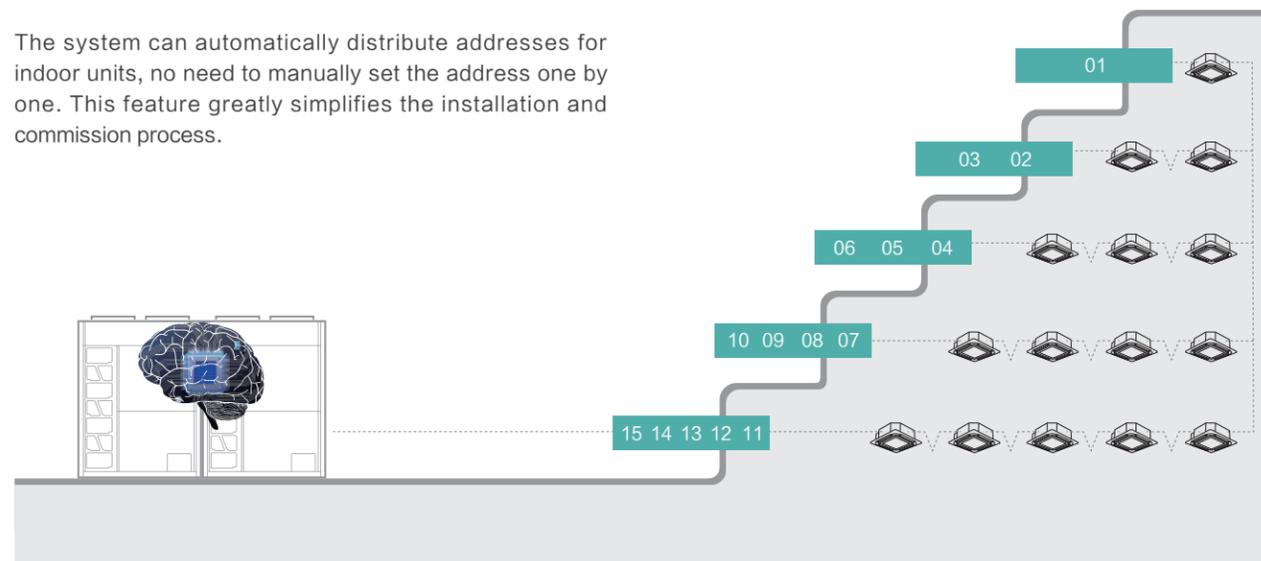
Scan the QR code to view the detailed introduction



# Service & Maintenance Simplicity

## Automatic address distribution

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



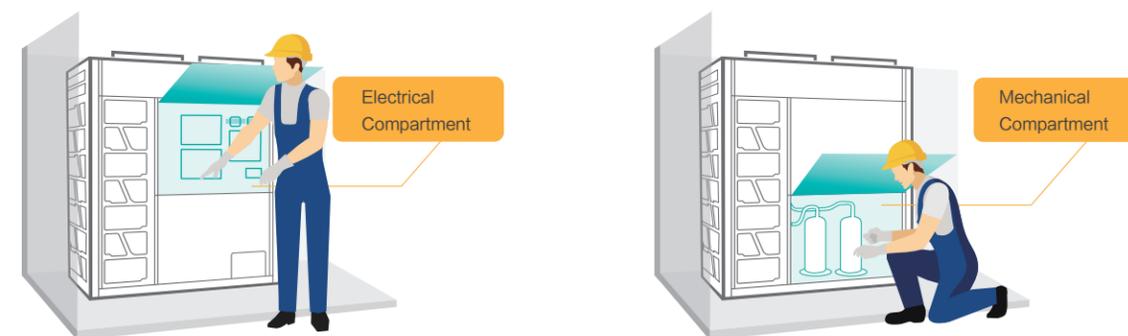
## Safe and convenient system management

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



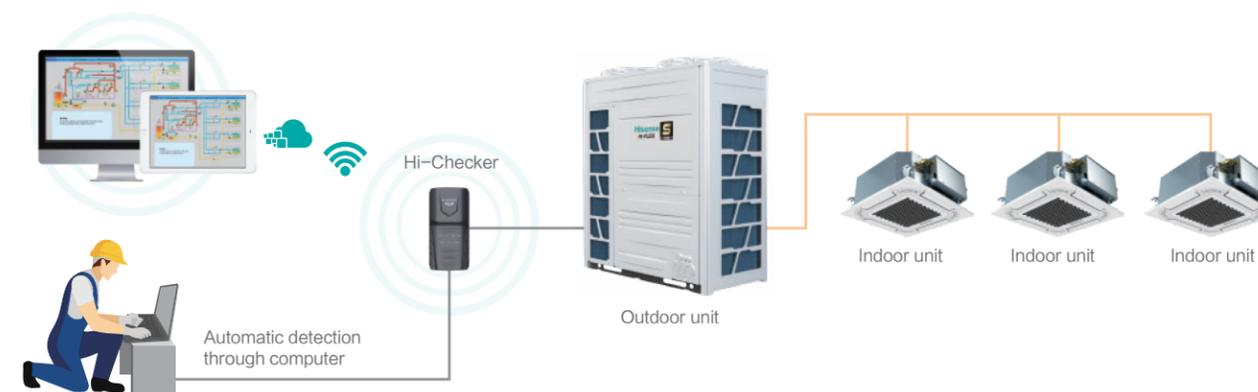
## Separated mechanical & electrical compartment

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



## Accurate intelligent system diagnosis

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



# OUTDOOR UNIT

Hi-FLEXi S5 Series

Hi-FLEXi S Series Heat Recovery(Standard)

Hi-FLEXi S Series Heat Recovery(High Efficiency)

Hi-Smart H5 Series

Hi-Smart A Series

Hi-Smart L+ C+ Series

Hi-Smart H Series

# Hi-FLEXi **S5** Series



### IP55 Electrical Control Box:

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



Larger fan with higher airflow and lower noise



DC Fan Motor



NFC Easy Access

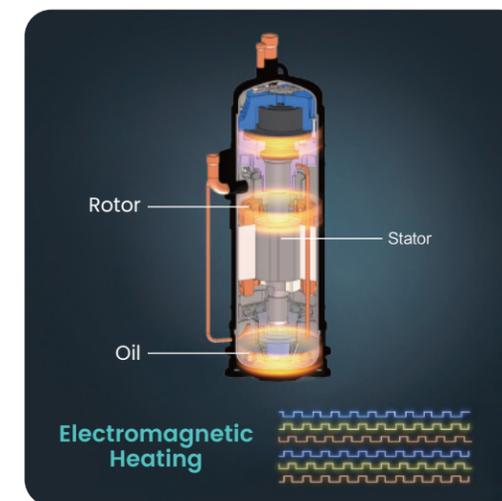
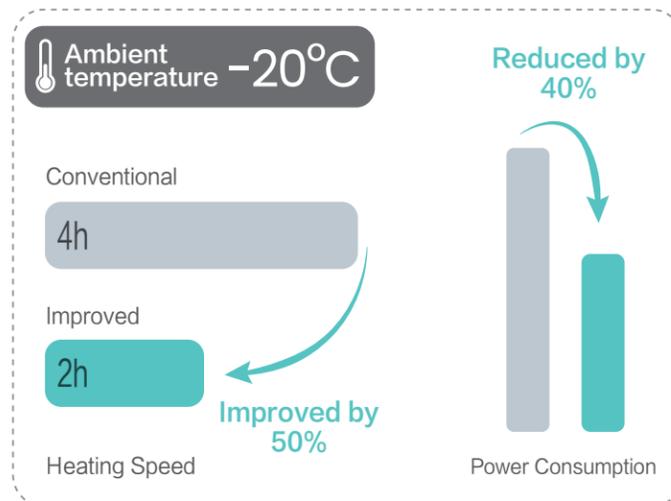
Dual G-shape Heat Exchanger

High Efficiency

- Enhanced Vapor Injection DC Scroll Compressor
- Electromagnetic Heating Technology

## Electromagnetic Heating Technology

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



## 2W Standby Mode

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



## Aerodynamic Axial Fan

### New Enlarged Fan Design

The newly designed  $\Phi 750\text{mm}$  large-diameter axial fan can reduce the turbulence around the fan, leading to a 5% increase in static pressure efficiency, a 3dB(A) reduction in noise levels, and a 21% decrease in power consumption for the same airflow volume.



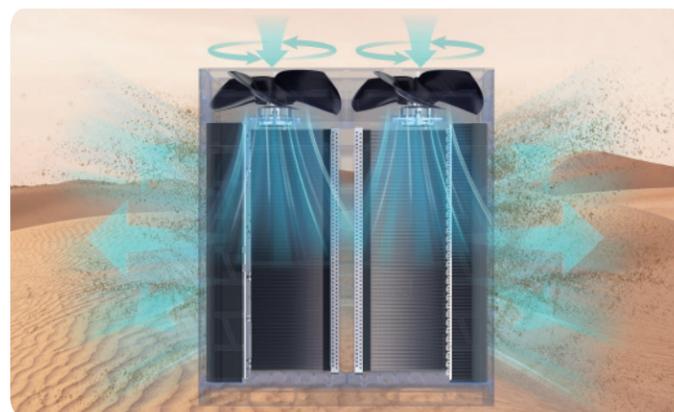
### Anti-headwind Function

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



### Dust-removal Function

In case of heavy sandstorm or long-term use, the heat exchanger can get clogged by dirt, resulting in a decrease in heat transfer effect and an increase in energy consumption. Hisense innovative "Dust Removal" function solves this problem. The fans automatically blow in reverse for 1 to 5 minutes to remove dust from heat exchanger when turned on, off, or both, thereby enhancing product performance and reducing energy use.



## IP55 Electrical Control Box

### Smaller Size

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



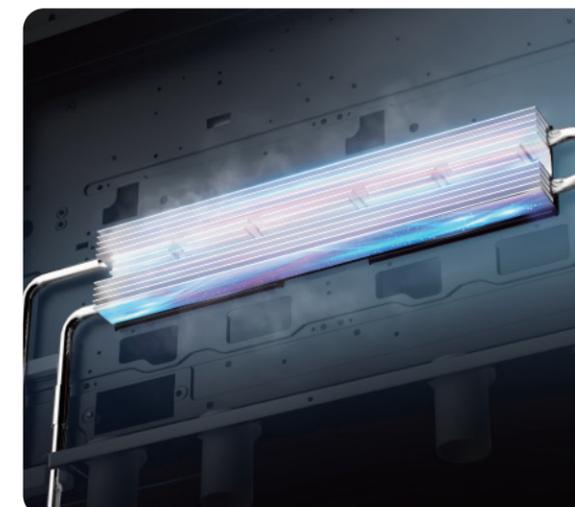
### Fully-sealed

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



### Micro-channel Refrigerant Cooling PCB

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



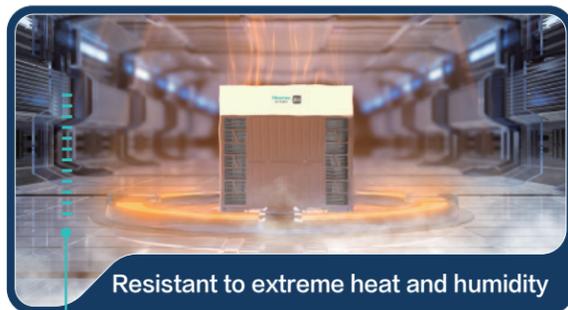
### Ventilation Fans

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



## Resistant to Harsh Environments

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



**Resistant to extreme heat and humidity**

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



**Resistant to freezing rain**

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



**Resistant to severe typhoon**

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

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



**Resistant to M9 earthquake**

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

## Automatic Refrigerant Management

### Refrigerant Self-charging

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

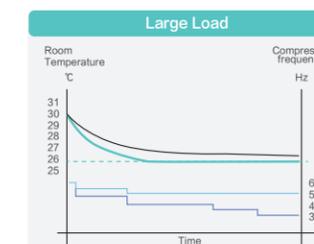
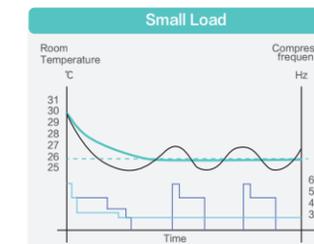
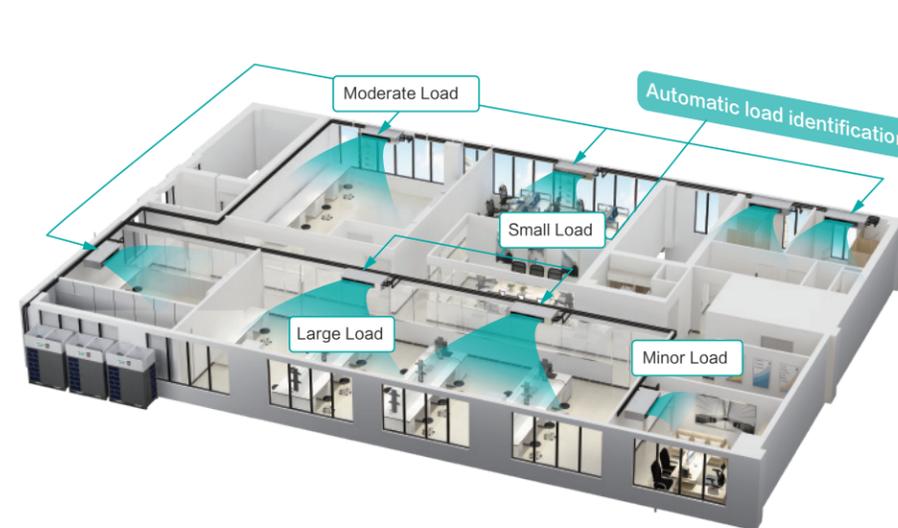
### Refrigerant Detection

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



## Load Balancing Control (LBC) Technology

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



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

## Flexible Installation with Long Piping

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

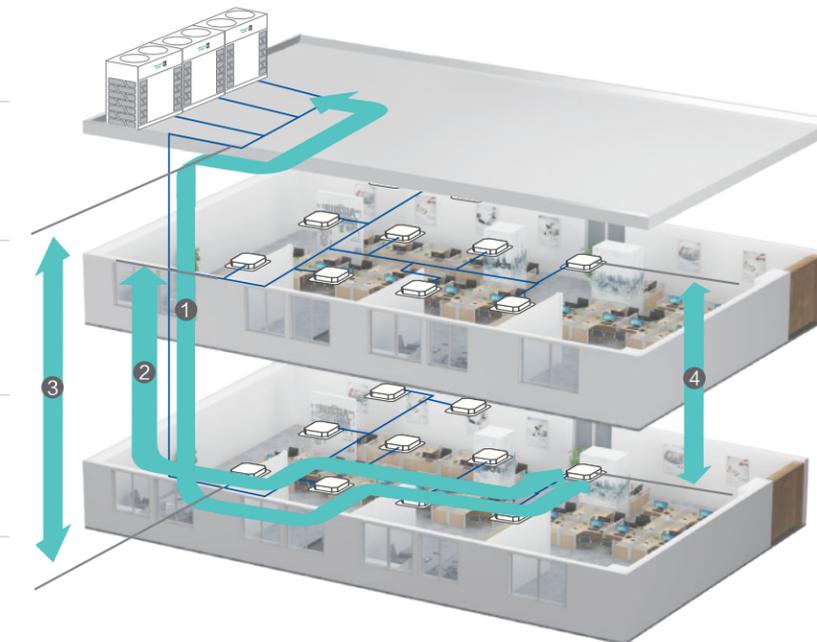
Total piping length: **1100m**

① Maximum actual length of a single pipe: **220m** (equivalent length **260m\***)

② Maximum length from the first branch pipe to the farthest indoor unit: **90m**

③ Maximum height difference between indoor and outdoor units: **110m\***

④ Maximum height difference between indoor units: **40m\***



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

## Hi-FLEXi S5 Series



| HP                       |                                       | 8HP  | 10HP            | 12HP            | 14HP            | 16HP            |                 |
|--------------------------|---------------------------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Model                    |                                       | AVWT-76HKF5S                               | AVWT-96HKF5S    | AVWT-114HKF5S   | AVWT-136HKF5S   | AVWT-154HKF5S   |                 |
|                          |                                       | AVWT-76HKF5S                               | AVWT-96HKF5S    | AVWT-114HKF5S   | AVWT-136HKF5S   | AVWT-154HKF5S   |                 |
| Modules                  |                                       | /  | /               | /               | /               | /               |                 |
|                          |                                       | /  | /               | /               | /               | /               |                 |
|                          |                                       | /  | /               | /               | /               | /               |                 |
|                          |                                       | /  | /               | /               | /               | /               |                 |
| Power Supply             |                                       | 380-415V 3~ 50Hz/60Hz                      |                 |                 |                 |                 |                 |
| Cooling                  | Capacity*1                            |  |                 |                 |                 |                 |                 |
|                          |                                       | kW   | 22.4            | 28.0            | 33.5            | 40.0            | 45.0            |
|                          |                                       | kBtu/h                                     | 76.4            | 95.5            | 114.3           | 136.5           | 153.5           |
|                          | Power Input                           | kW   | 5.91            | 7.80            | 9.57            | 12.50           | 15.05           |
|                          | EER                                   | kW/kW                                      | 3.79            | 3.59            | 3.50            | 3.20            | 2.99            |
| SEER                     | kW/kW                                 | 7.55                                       | 7.42            | 7.31            | 7.30            | 7.16            |                 |
| Heating                  | Capacity (Max/Nom)*1                  |  |                 |                 |                 |                 |                 |
|                          |                                       | kW   | 25/22.4         | 31.5/28.0       | 37.5/33.5       | 45/40           | 50/45           |
|                          |                                       | kBtu/h                                     | 85.3/76.4       | 107.4/95.5      | 127.9/114.3     | 153.5/136.5     | 170.6/153.5     |
|                          | Power Input (Max/Nom)                 | kW   | 5.68/4.8        | 7.22/6.1        | 9.08/7.19       | 11.6/9.66       | 13.97/11.19     |
|                          | COP (Max/Nom)                         | kW/kW                                      | 4.4/4.67        | 4.36/4.59       | 4.13/4.66       | 3.88/4.14       | 3.58/4.02       |
| SCOP                     | kW/kW                                 | 4.46                                       | 4.35            | 4.60            | 4.60            | 4.49            |                 |
| Ventilation              | Air Flow Rate                         | m³/min                                     | 225             | 225             | 275             | 275             | 292             |
|                          | Fan Quantity                          | pcs  | 1               | 1               | 1               | 1               | 1               |
|                          | Static Pressure                       | Pa   | 110             | 110             | 110             | 110             | 110             |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)                                      | 59              | 59              | 61              | 61              | 63              |
|                          | Silent Mode                           | dB(A)                                      | 40              | 40              | 40              | 40              | 40              |
| Compressor               | Type                                  | Enhanced Vapor Injection Scroll Compressor |                 |                 |                 |                 |                 |
|                          | Quantity                              | pcs  | 1               | 1               | 1               | 1               | 1               |
| Refrigerant              | Type                                  | R410A                                      |                 |                 |                 |                 |                 |
|                          | Pre-charged Amount                    | kg   | 6.6             | 6.6             | 7.6             | 7.6             | 7.6             |
| Weight                   | Net Weight                            | kg   | 222             | 222             | 245             | 245             | 245             |
|                          | Gross Weight                          | kg   | 249             | 249             | 269             | 269             | 269             |
| Dimensions               | External (H × W × D)                  | mm   | 1800x800x825    |                 | 1800x940x825    |                 |                 |
|                          | Packing (H × W × D)                   | mm   | 1960x860x885    |                 | 1960x1000x885   |                 |                 |
| Cabinet Color            |                                       | Gray + White                               |                 |                 |                 |                 |                 |
| Ref. Piping              | Gas Pipe                              | mm   | φ19.05          | φ22.20          | φ25.40          | φ25.40          | φ28.60          |
|                          |                                       | inch                                       | 3/4             | 7/8             | 1               | 1               | 1-1/8           |
|                          | Liquid Pipe                           | mm   | φ9.53           | φ9.53           | φ12.70          | φ12.70          | φ12.70          |
|                          |                                       | inch                                       | 3/8             | 3/8             | 1/2             | 1/2             | 1/2             |
| Connectable Indoor Units | Quantity                              | pcs  | 18              | 20              | 24              | 28              | 32              |
|                          | Connection Ratio*3                    | —  | 30-200%         |                 |                 |                 |                 |
| Piping Design            | Max. Piping Length (Actual)           | m  | 220             | 220             | 220             | 220             | 220             |
|                          | Max. Piping Length (Equivalent)       | m  | 260             | 260             | 260             | 260             | 260             |
|                          | Height Difference between ODU and IDU | m  | 110             | 110             | 110             | 110             | 110             |
|                          | Height Difference between IDUs        | m  | 40              | 40              | 40              | 40              | 40              |
| Operation Range          | Cooling                               | ℃  | -15℃ DB ~55℃ DB |
|                          | Heating                               | ℃  | -30℃ WB ~30℃ DB |

Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air inlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.  
Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference: 0m.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

## Hi-FLEXi S5 Series



| HP                       |                                       | 18HP                                       | 20HP            | 22HP            | 24HP            | 26HP            |                 |
|--------------------------|---------------------------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Model                    |                                       | AVWT-170HKF5S                              | AVWT-190HKF5S   | AVWT-212HKF5S   | AVWT-232HKF5S   | AVWT-250HKF5S   |                 |
|                          |                                       | AVWT-170HKF5S                              | AVWT-190HKF5S   | AVWT-212HKF5S   | AVWT-232HKF5S   | AVWT-250HKF5S   |                 |
| Modules                  |                                       | /  | /               | /               | /               | /               |                 |
|                          |                                       | /  | /               | /               | /               | /               |                 |
|                          |                                       | /  | /               | /               | /               | /               |                 |
|                          |                                       | /  | /               | /               | /               | /               |                 |
| Power Supply             |                                       | 380-415V 3~ 50Hz/60Hz                      |                 |                 |                 |                 |                 |
| Cooling                  | Capacity*1                            |  |                 |                 |                 |                 |                 |
|                          |                                       | kW   | 50.4            | 56.0            | 61.5            | 68.0            | 73.5            |
|                          |                                       | kBtu/h                                     | 171.9           | 191.0           | 209.8           | 232.0           | 250.7           |
|                          | Power Input                           | kW   | 14.20           | 16.37           | 19.46           | 22.74           | 25.09           |
|                          | EER                                   | kW/kW                                      | 3.55            | 3.42            | 3.16            | 2.99            | 2.93            |
| SEER                     | kW/kW                                 | 7.10                                       | 6.90            | 6.80            | 6.40            | 5.80            |                 |
| Heating                  | Capacity (Max/Nom)*1                  |  |                 |                 |                 |                 |                 |
|                          |                                       | kW   | 56/50.4         | 63/56           | 69.0/61.5       | 75.0/68.0       | 82.5/73.5       |
|                          |                                       | kBtu/h                                     | 191/171.9       | 214.9/191       | 235.4/209.8     | 255.9/232       | 281.4/250.7     |
|                          | Power Input (Max/Nom)                 | kW   | 14.81/11.08     | 15.63/12.1      | 18.06/13.52     | 20.16/15.18     | 21.32/15.94     |
|                          | COP (Max/Nom)                         | kW/kW                                      | 3.78/4.55       | 4.03/4.63       | 3.82/4.55       | 3.72/4.48       | 3.87/4.61       |
| SCOP                     | kW/kW                                 | 4.78                                       | 5.01            | 4.86            | 4.84            | 4.27            |                 |
| Ventilation              | Air Flow Rate                         | m³/min                                     | 258             | 317             | 317             | 317             | 400             |
|                          | Fan Quantity                          | pcs  | 1               | 2               | 2               | 2               | 2               |
|                          | Static Pressure                       | Pa   | 110             | 110             | 110             | 110             | 110             |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)                                      | 64              | 65              | 66              | 66              | 66              |
|                          | Silent Mode                           | dB(A)                                      | 40              | 40              | 40              | 40              | 40              |
| Compressor               | Type                                  | Enhanced Vapor Injection Scroll Compressor |                 |                 |                 |                 |                 |
|                          | Quantity                              | pcs  | 1               | 2               | 2               | 2               | 2               |
| Refrigerant              | Type                                  | R410A                                      |                 |                 |                 |                 |                 |
|                          | Pre-charged Amount                    | kg   | 9.4             | 12.6            | 12.6            | 13.1            | 11.5            |
| Weight                   | Net Weight                            | kg   | 267             | 368             | 368             | 368             | 406             |
|                          | Gross Weight                          | kg   | 289             | 399             | 399             | 399             | 430             |
| Dimensions               | External (H × W × D)                  | mm   | 1800x940x825    | 1800x1390x825   |                 | 1800x1600x825   |                 |
|                          | Packing (H × W × D)                   | mm   | 1960x1000x885   | 1960x1450x885   |                 | 1960x1660x885   |                 |
| Cabinet Color            |                                       | Gray + White                               |                 |                 |                 |                 |                 |
| Ref. Piping              | Gas Pipe                              | mm   | φ28.60          | φ28.60          | φ28.60          | φ28.60          | φ31.75          |
|                          |                                       | inch                                       | 1-1/8           | 1-1/8           | 1-1/8           | 1-1/8           | 1-1/4           |
|                          | Liquid Pipe                           | mm   | φ15.88          | φ15.88          | φ15.88          | φ15.88          | φ19.05          |
|                          |                                       | inch                                       | 5/8             | 5/8             | 5/8             | 5/8             | 3/4             |
| Connectable Indoor Units | Quantity                              | pcs  | 36              | 40              | 44              | 48              | 52              |
|                          | Connection Ratio*3                    | —  | 30-200%         |                 |                 |                 |                 |
| Piping Design            | Max. Piping Length (Actual)           | m  | 220             | 220             | 220             | 220             | 220             |
|                          | Max. Piping Length (Equivalent)       | m  | 260             | 260             | 260             | 260             | 260             |
|                          | Height Difference between ODU and IDU | m  | 110             | 110             | 110             | 110             | 110             |
|                          | Height Difference between IDUs        | m  | 40              | 40              | 40              | 40              | 40              |
| Operation Range          | Cooling                               | ℃  | -15℃ DB ~55℃ DB |
|                          | Heating                               | ℃  | -30℃ WB ~30℃ DB |

Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air inlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.  
Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference: 0m.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

## Hi-FLEXi S5 Series



| HP                       |                                       |                     | 28HP                                       | 30HP            | 32HP            | 34HP            | 36HP            |
|--------------------------|---------------------------------------|---------------------|--|-----------------|-----------------|-----------------|-----------------|
| Model                    |                                       |                     | AVWT-272HKF5S                              | AVWT-290HKF5S   | AVWT-307HKF5S   | AVWT-324HKF5S   | AVWT-343HKF5S   |
|                          |                                       |                     | AVWT-272HKF5S                              | AVWT-290HKF5S   | AVWT-307HKF5S   | AVWT-324HKF5S   | AVWT-343HKF5S   |
| Modules                  |                                       |                     | /  | /               | /               | /               | /               |
|                          |                                       |                     | /  | /               | /               | /               | /               |
|                          |                                       |                     | /  | /               | /               | /               | /               |
| Power Supply             |                                       |                     | 380-415V 3~ 50Hz/60Hz                      |                 |                 |                 |                 |
| Cooling                  | Capacity*1                            | kW                  | 78.5                                       | 85.0            | 90.0            | 95.4            | 100.0           |
|                          |                                       | kBtu/h              | 267.8                                      | 290.0           | 307.0           | 325.5           | 341.2           |
|                          | Power Input                           | kW                  | 25.65                                      | 30.25           | 31.69           | 34.69           | 36.63           |
|                          | EER                                   | kW/kW               | 3.06                                       | 2.81            | 2.84            | 2.75            | 2.73            |
|                          | SEER                                  | kW/kW               | 6.30                                       | 6.00            | 5.90            | 5.80            | 5.80            |
| Heating                  | Capacity (Max/Nom)*1                  | kW                  | 87.5/78.5                                  | 95/85           | 100/90          | 106.5/95.4      | 113/100         |
|                          |                                       | kBtu/h              | 298.5/267.8                                | 324.1/290       | 341.2/307       | 363.3/325.5     | 385.5/341.2     |
|                          | Power Input (Max/Nom)                 | kW                  | 20.73/17.72                                | 23.23/19.63     | 24.75/20.36     | 27.88/22.88     | 31.48/24.27     |
|                          | COP (Max/Nom)                         | kW/kW               | 4.22/4.43                                  | 4.09/4.33       | 4.04/4.42       | 3.82/4.17       | 3.59/4.12       |
|                          | SCOP                                  | kW/kW               | 4.55                                       | 4.35            | 4.51            | 4.26            | 4.28            |
| Ventilation              | Air Flow Rate                         | m <sup>3</sup> /min | 408  | 408             | 467             | 467             | 467             |
|                          | Fan Quantity                          | pcs                 | 2  | 2               | 2               | 2               | 2               |
|                          | Static Pressure                       | Pa                  | 110  | 110             | 110             | 110             | 110             |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)               | 67   | 67              | 67              | 68              | 68              |
|                          | Silent Mode                           | dB(A)               | 40   | 40              | 40              | 40              | 40              |
| Compressor               | Type                                  | —                   | Enhanced Vapor Injection Scroll Compressor |                 |                 |                 |                 |
|                          | Quantity                              | pcs                 | 2  | 2               | 2               | 2               | 2               |
| Refrigerant              | Type                                  | —                   | R410A                                      |                 |                 |                 |                 |
|                          | Pre-charged Amount                    | kg                  | 15.5                                       | 15.5            | 16.1            | 16.1            | 16.1            |
| Weight                   | Net Weight                            | kg                  | 482  | 482             | 482             | 493             | 493             |
|                          | Gross Weight                          | kg                  | 519  | 519             | 519             | 530             | 530             |
| Dimensions               | External (H × W × D)                  | mm                  | 1800x1880x825                              |                 |                 |                 |                 |
|                          | Packing (H × W × D)                   | mm                  | 1960x1940x885                              |                 |                 |                 |                 |
| Cabinet Color            | —                                     | —                   | Gray + White                               |                 |                 |                 |                 |
| Ref. Piping              | Gas Pipe                              | mm                  | φ31.75                                     | φ31.75          | φ31.75          | φ31.75          | φ38.1           |
|                          |                                       | inch                | 1-1/4                                      | 1-1/4           | 1-1/4           | 1-1/4           | 1-1/2           |
|                          | Liquid Pipe                           | mm                  | φ19.05                                     | φ19.05          | φ19.05          | φ19.05          | φ19.05          |
|                          |                                       | inch                | 3/4  | 3/4             | 3/4             | 3/4             | 3/4             |
| Connectable Indoor Units | Quantity                              | pcs                 | 56   | 60              | 64              | 68              | 72              |
|                          | Connection Ratio*3                    | —                   | 30-200%                                    |                 |                 |                 |                 |
| Piping Design            | Max. Piping Length (Actual)           | m                   | 220  | 220             | 220             | 220             | 220             |
|                          | Max. Piping Length (Equivalent)       | m                   | 260  | 260             | 260             | 260             | 260             |
|                          | Height Difference between ODU and IDU | m                   | 110  | 110             | 110             | 110             | 110             |
|                          | Height Difference between IDUs        | m                   | 40   | 40              | 40              | 40              | 40              |
| Operation Range          | Cooling                               | ℃                   | -15℃ DB ~55℃ DB                            | -15℃ DB ~55℃ DB | -15℃ DB ~55℃ DB | -15℃ DB ~55℃ DB | -15℃ DB ~55℃ DB |
|                          | Heating                               | ℃                   | -30℃ WB ~30℃ DB                            | -30℃ WB ~30℃ DB | -30℃ WB ~30℃ DB | -30℃ WB ~30℃ DB | -30℃ WB ~30℃ DB |

Notes:

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

Cooling Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air inlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.

Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe Length: 7.5m, pipe height difference: 0m.

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

Measurement point: 1m from the service cover surface and 1.5m from the floor level.

3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

## Hi-FLEXi S5 Series



| HP                       |                                       |                     | 38HP                                       | 40HP            | 42HP            | 44HP                 |
|--------------------------|---------------------------------------|---------------------|--|-----------------|-----------------|----------------------|
| Model                    |                                       |                     | AVWT-366HKF5S                              | AVWT-386HKF5S   | AVWT-402HKF5S   | AVWT-424HKF5S        |
|                          |                                       |                     | AVWT-154HKF5S                              | AVWT-154HKF5S   | AVWT-170HKF5S   | AVWT-212HKF5S        |
| Modules                  |                                       |                     | AVWT-212HKF5S                              | AVWT-232HKF5S   | AVWT-232HKF5S   | AVWT-212HKF5S        |
|                          |                                       |                     | /  | /               | /               | /                    |
|                          |                                       |                     | /  | /               | /               | /                    |
| Power Supply             |                                       |                     | 380-415V 3~ 50Hz/60Hz                      |                 |                 |                      |
| Cooling                  | Capacity*1                            | kW                  | 106.5                                      | 113.0           | 118.4           | 123.0                |
|                          |                                       | kBtu/h              | 363.3                                      | 385.5           | 403.9           | 419.6                |
|                          | Power Input                           | kW                  | 34.51                                      | 37.79           | 36.94           | 38.92                |
|                          | EER                                   | kW/kW               | 3.09                                       | 2.99            | 3.21            | 3.16                 |
|                          | SEER                                  | kW/kW               | 6.95                                       | 6.68            | 6.68            | 6.80                 |
| Heating                  | Capacity (Max/Nom)*1                  | kW                  | 119/106.5                                  | 125/113         | 131/118.4       | 138/123              |
|                          |                                       | kBtu/h              | 406/363.3                                  | 426.5/385.5     | 447/403.9       | 470.8/419.6          |
|                          | Power Input (Max/Nom)                 | kW                  | 32.03/24.71                                | 34.13/26.37     | 34.97/26.26     | 36.12/27.04          |
|                          | COP (Max/Nom)                         | kW/kW               | 3.72/4.31                                  | 3.66/4.29       | 3.75/4.51       | 3.82/4.55            |
|                          | SCOP                                  | kW/kW               | 4.70                                       | 4.69            | 4.81            | 4.86                 |
| Ventilation              | Air Flow Rate                         | m <sup>3</sup> /min | 609  | 609             | 575             | 634                  |
|                          | Fan Quantity                          | pcs                 | 3  | 3               | 3               | 4                    |
|                          | Static Pressure                       | Pa                  | 110  | 110             | 110             | 110                  |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)               | 69   | 69              | 69              | 69                   |
|                          | Silent Mode                           | dB(A)               | 43   | 43              | 43              | 43                   |
| Compressor               | Type                                  | —                   | Enhanced Vapor Injection Scroll Compressor |                 |                 |                      |
|                          | Quantity                              | pcs                 | 3  | 3               | 3               | 4                    |
| Refrigerant              | Type                                  | —                   | R410A                                      |                 |                 |                      |
|                          | Pre-charged Amount                    | kg                  | 20.2                                       | 20.7            | 22.5            | 25.2                 |
| Weight                   | Net Weight                            | kg                  | 245+368                                    | 245+368         | 267+368         | 368+368              |
|                          | Gross Weight                          | kg                  | 269+399                                    | 269+399         | 289+399         | 399+399              |
| Dimensions               | External (H × W × D)                  | mm                  | 1800x(1390+940)x825                        |                 |                 | 1800x(1390+1390)x825 |
|                          | Packing (H × W × D)                   | mm                  | 1960x(1450+1000)x885                       |                 |                 | 1960x(1450+1450)x885 |
| Cabinet Color            | —                                     | —                   | Gray + White                               |                 |                 |                      |
| Ref. Piping              | Gas Pipe                              | mm                  | φ38.1                                      | φ38.1           | φ38.1           | φ38.1                |
|                          |                                       | inch                | 1-1/2                                      | 1-1/2           | 1-1/2           | 1-1/2                |
|                          | Liquid Pipe                           | mm                  | φ19.05                                     | φ19.05          | φ19.05          | φ19.05               |
|                          |                                       | inch                | 3/4  | 3/4             | 3/4             | 3/4                  |
| Connectable Indoor Units | Quantity                              | pcs                 | 76   | 80              | 84              | 88                   |
|                          | Connection Ratio*3                    | —                   | 30-150%                                    |                 |                 |                      |
| Piping Design            | Max. Piping Length (Actual)           | m                   | 220  | 220             | 220             | 220                  |
|                          | Max. Piping Length (Equivalent)       | m                   | 260  | 260             | 260             | 260                  |
|                          | Height Difference between ODU and IDU | m                   | 110  | 110             | 110             | 110                  |
|                          | Height Difference between IDUs        | m                   | 40   | 40              | 40              | 40                   |
| Operation Range          | Cooling                               | ℃                   | -15℃ DB ~55℃ DB                            | -15℃ DB ~55℃ DB | -15℃ DB ~55℃ DB | -15℃ DB ~55℃ DB      |
|                          | Heating                               | ℃                   | -30℃ WB ~30℃ DB                            | -30℃ WB ~30℃ DB | -30℃ WB ~30℃ DB | -30℃ WB ~30℃ DB      |

Notes:

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

Cooling Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air inlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.

Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe Length: 7.5m, pipe height difference: 0m.

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

Measurement point: 1m from the service cover surface and 1.5m from the floor level.

3. When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

### Hi-FLEXi S5 Series



| HP                       |                                       | 46HP                 | 48HP                                       | 50HP              | 52HP                 |                      |
|--------------------------|---------------------------------------|----------------------|--|-------------------|----------------------|----------------------|
| Model                    |                                       | AVWT-444HKF5S        | AVWT-464HKF5S                              | AVWT-482HKF5S     | AVWT-500HKF5S        |                      |
| Modules                  |                                       | AVWT-212HKF5S        | AVWT-232HKF5S                              | AVWT-232HKF5S     | AVWT-250HKF5S        |                      |
|                          |                                       | AVWT-232HKF5S        | AVWT-232HKF5S                              | AVWT-250HKF5S     | AVWT-250HKF5S        |                      |
|                          |                                       | /                    | /  | /                 | /                    |                      |
| Power Supply             |                                       | 380-415V 3~50Hz/60Hz |  |                   |                      |                      |
| Cooling                  | Capacity*1                            | kW                   | 129.5                                      | 136.0             | 141.5                | 147.0                |
|                          |                                       | kBtu/h               | 441.8                                      | 464.0             | 482.7                | 501.4                |
|                          | Power Input                           | kW                   | 42.20                                      | 45.48             | 47.83                | 50.18                |
|                          | EER                                   | kW/kW                | 3.07                                       | 2.99              | 2.96                 | 2.93                 |
|                          | SEER                                  | kW/kW                | 6.58                                       | 6.40              | 6.07                 | 5.80                 |
| Heating                  | Capacity (Max/Nom)*1                  | kW                   | 144/129.5                                  | 150/136           | 157.5/141.5          | 165/147              |
|                          |                                       | kBtu/h               | 491.3/441.8                                | 511.8/464         | 537.3/482.7          | 562.8/501.4          |
|                          | Power Input (Max/Nom)                 | kW                   | 38.22/28.7                                 | 40.32/30.36       | 41.48/31.12          | 42.64/31.88          |
|                          | COP (Max/Nom)                         | kW/kW                | 3.77/4.51                                  | 3.72/4.48         | 3.80/4.55            | 3.87/4.61            |
|                          | SCOP                                  | kW/kW                | 4.85                                       | 4.84              | 4.53                 | 4.27                 |
| Ventilation              | Air Flow Rate                         | m <sup>3</sup> /min  | 634  | 634               | 717                  | 800                  |
|                          | Fan Quantity                          | pcs                  | 4  | 4                 | 4                    | 4                    |
|                          | Static Pressure                       | Pa                   | 110  | 110               | 110                  | 110                  |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)                | 69   | 69                | 69                   | 69                   |
|                          | Silent Mode                           | dB(A)                | 43   | 43                | 43                   | 43                   |
| Compressor               | Type                                  | —                    | Enhanced Vapor Injection Scroll Compressor |                   |                      |                      |
|                          | Quantity                              | pcs                  | 4  | 4                 | 4                    | 4                    |
| Refrigerant              | Type                                  | —                    | R410A                                      |                   |                      |                      |
|                          | Pre-charged Amount                    | kg                   | 25.7                                       | 26.2              | 24.6                 | 23                   |
| Weight                   | Net Weight                            | kg                   | 368+368                                    | 368+368           | 406+368              | 406+406              |
|                          | Gross Weight                          | kg                   | 399+399                                    | 399+399           | 430+399              | 430+430              |
| Dimensions               | External (H×W×D)                      | mm                   | 1800x(1390+1390)x825                       |                   | 1800x(1600+1390)x825 | 1800x(1600+1600)x825 |
|                          | Packing (H×W×D)                       | mm                   | 1960x(1450+1450)x885                       |                   | 1960x(1660+1450)x885 | 1960x(1660+1660)x885 |
| Cabinet Color            | —                                     | Gray + White         |  |                   |                      |                      |
| Ref. Piping              | Gas Pipe                              | mm                   | φ38.1                                      | φ41.3             | φ41.3                | φ41.3                |
|                          |                                       | inch                 | 1-1/2                                      | 1-5/8             | 1-5/8                | 1-5/8                |
|                          | Liquid Pipe                           | mm                   | φ19.05                                     | φ22.2             | φ22.2                | φ22.2                |
|                          |                                       | inch                 | 3/4  | 7/8               | 7/8                  | 7/8                  |
| Connectable Indoor Units | Quantity                              | pcs                  | 93   | 97                | 101                  | 105                  |
|                          | Connection Ratio*3                    | —                    | 30-150%                                    |                   |                      |                      |
| Piping Design            | Max. Piping Length (Actual)           | m                    | 220  | 220               | 220                  | 220                  |
|                          | Max. Piping Length (Equivalent)       | m                    | 260  | 260               | 260                  | 260                  |
|                          | Height Difference between ODU and IDU | m                    | 110  | 110               | 110                  | 110                  |
|                          | Height Difference between IDUs        | m                    | 40   | 40                | 40                   | 40                   |
| Operation Range          | Cooling                               | °C                   | -15°C DB ~55°C DB                          | -15°C DB ~55°C DB | -15°C DB ~55°C DB    | -15°C DB ~55°C DB    |
|                          | Heating                               | °C                   | -30°C WB ~30°C DB                          | -30°C WB ~30°C DB | -30°C WB ~30°C DB    | -30°C WB ~30°C DB    |

Notes:

- 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.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

### Hi-FLEXi S5 Series



| HP                       |                                       | 54HP                 | 56HP                                       | 58HP              | 60HP              | 62HP              |                   |
|--------------------------|---------------------------------------|----------------------|--|-------------------|-------------------|-------------------|-------------------|
| Model                    |                                       | AVWT-522HKF5S        | AVWT-540HKF5S                              | AVWT-557HKF5S     | AVWT-574HKF5S     | AVWT-593HKF5S     |                   |
| Modules                  |                                       | AVWT-250HKF5S        | AVWT-250HKF5S                              | AVWT-250HKF5S     | AVWT-250HKF5S     | AVWT-250HKF5S     |                   |
|                          |                                       | AVWT-272HKF5S        | AVWT-290HKF5S                              | AVWT-307HKF5S     | AVWT-324HKF5S     | AVWT-343HKF5S     |                   |
|                          |                                       | /                    | /  | /                 | /                 | /                 |                   |
| Power Supply             |                                       | 380-415V 3~50Hz/60Hz |  |                   |                   |                   |                   |
| Cooling                  | Capacity*1                            | kW                   | 152.0                                      | 158.5             | 163.5             | 168.9             | 173.5             |
|                          |                                       | kBtu/h               | 518.5                                      | 540.7             | 557.7             | 576.2             | 591.9             |
|                          | Power Input                           | kW                   | 50.74                                      | 55.34             | 56.78             | 59.78             | 61.72             |
|                          | EER                                   | kW/kW                | 3.00                                       | 2.86              | 2.88              | 2.83              | 2.81              |
|                          | SEER                                  | kW/kW                | 6.05                                       | 5.91              | 5.85              | 5.80              | 5.80              |
| Heating                  | Capacity (Max/Nom)*1                  | kW                   | 170/152                                    | 177.5/158.5       | 182.5/163.5       | 189/168.9         | 195.5/173.5       |
|                          |                                       | kBtu/h               | 579.9/518.5                                | 605.5/540.7       | 622.6/557.7       | 644.7/576.2       | 666.9/591.9       |
|                          | Power Input (Max/Nom)                 | kW                   | 42.05/33.66                                | 44.55/35.57       | 46.07/36.3        | 49.2/38.82        | 52.8/40.21        |
|                          | COP (Max/Nom)                         | kW/kW                | 4.04/4.52                                  | 3.98/4.46         | 3.96/4.50         | 3.84/4.35         | 3.70/4.31         |
|                          | SCOP                                  | kW/kW                | 4.41                                       | 4.31              | 4.40              | 4.26              | 4.28              |
| Ventilation              | Air Flow Rate                         | m <sup>3</sup> /min  | 808  | 808               | 867               | 867               | 867               |
|                          | Fan Quantity                          | pcs                  | 4  | 4                 | 4                 | 4                 | 4                 |
|                          | Static Pressure                       | Pa                   | 110  | 110               | 110               | 110               | 110               |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)                | 70   | 70                | 70                | 71                | 71                |
|                          | Silent Mode                           | dB(A)                | 43   | 43                | 43                | 43                | 43                |
| Compressor               | Type                                  | —                    | Enhanced Vapor Injection Scroll Compressor |                   |                   |                   |                   |
|                          | Quantity                              | pcs                  | 4  | 4                 | 4                 | 4                 | 4                 |
| Refrigerant              | Type                                  | —                    | R410A                                      |                   |                   |                   |                   |
|                          | Pre-charged Amount                    | kg                   | 27   | 27                | 27.6              | 27.6              | 27.6              |
| Weight                   | Net Weight                            | kg                   | 406+482                                    | 406+482           | 406+482           | 406+493           | 406+493           |
|                          | Gross Weight                          | kg                   | 430+519                                    | 430+519           | 430+519           | 430+530           | 430+530           |
| Dimensions               | External (H×W×D)                      | mm                   | 1800x(1880+1600)x825                       |                   |                   |                   |                   |
|                          | Packing (H×W×D)                       | mm                   | 1960x(1940+1660)x885                       |                   |                   |                   |                   |
| Cabinet Color            | —                                     | Gray + White         |  |                   |                   |                   |                   |
| Ref. Piping              | Gas Pipe                              | mm                   | φ41.3                                      | φ41.3             | φ44.5             | φ44.5             | φ44.5             |
|                          |                                       | inch                 | 1-5/8                                      | 1-5/8             | 1-3/4             | 1-3/4             | 1-3/4             |
|                          | Liquid Pipe                           | mm                   | φ22.2                                      | φ22.2             | φ22.2             | φ22.2             | φ22.2             |
|                          |                                       | inch                 | 7/8  | 7/8               | 7/8               | 7/8               | 7/8               |
| Connectable Indoor Units | Quantity                              | pcs                  | 109  | 113               | 117               | 121               | 125               |
|                          | Connection Ratio*3                    | —                    | 30-150%                                    |                   |                   |                   |                   |
| Piping Design            | Max. Piping Length (Actual)           | m                    | 220  | 220               | 220               | 220               | 220               |
|                          | Max. Piping Length (Equivalent)       | m                    | 260  | 260               | 260               | 260               | 260               |
|                          | Height Difference between ODU and IDU | m                    | 110  | 110               | 110               | 110               | 110               |
|                          | Height Difference between IDUs        | m                    | 40   | 40                | 40                | 40                | 40                |
| Operation Range          | Cooling                               | °C                   | -15°C DB ~55°C DB                          | -15°C DB ~55°C DB | -15°C DB ~55°C DB | -15°C DB ~55°C DB | -15°C DB ~55°C DB |
|                          | Heating                               | °C                   | -30°C WB ~30°C DB                          | -30°C WB ~30°C DB | -30°C WB ~30°C DB | -30°C WB ~30°C DB | -30°C WB ~30°C DB |

Notes:

- 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.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

## Hi-FLEXi S5 Series



| HP                       |                                       |                     | 64HP                                       | 66HP            | 68HP            | 70HP            | 72HP            |
|--------------------------|---------------------------------------|---------------------|--|-----------------|-----------------|-----------------|-----------------|
| Model                    |                                       |                     | AVWT-614HKF5S                              | AVWT-631HKF5S   | AVWT-650HKF5S   | AVWT-667HKF5S   | AVWT-686HKF5S   |
| Modules                  |                                       |                     | AVWT-307HKF5S                              | AVWT-307HKF5S   | AVWT-307HKF5S   | AVWT-324HKF5S   | AVWT-343HKF5S   |
|                          |                                       |                     | AVWT-307HKF5S                              | AVWT-324HKF5S   | AVWT-343HKF5S   | AVWT-343HKF5S   | AVWT-343HKF5S   |
|                          |                                       |                     | /  | /               | /               | /               | /               |
| Power Supply             |                                       |                     | 380-415V 3~ 50Hz/60Hz                      |                 |                 |                 |                 |
| Cooling                  | Capacity*1                            | kW                  | 180.0                                      | 185.4           | 190.0           | 195.4           | 200.0           |
|                          |                                       | kBtu/h              | 614.0                                      | 632.5           | 648.2           | 666.7           | 682.4           |
|                          | Power Input                           | kW                  | 63.38                                      | 66.38           | 68.32           | 71.32           | 73.26           |
|                          | EER                                   | kW/kW               | 2.84                                       | 2.79            | 2.78            | 2.74            | 2.73            |
|                          | SEER                                  | kW/kW               | 5.90                                       | 5.85            | 5.85            | 5.80            | 5.80            |
| Heating                  | Capacity (Max/Nom)*1                  | kW                  | 200/180                                    | 206.5/185.4     | 213/190         | 219.5/195.4     | 226/200         |
|                          |                                       | kBtu/h              | 682.4/614                                  | 704.5/632.5     | 726.7/648.2     | 748.8/666.7     | 771/682.4       |
|                          | Power Input (Max/Nom)                 | kW                  | 49.5/40.72                                 | 52.63/43.24     | 56.23/44.63     | 59.36/47.15     | 62.96/48.54     |
|                          | COP (Max/Nom)                         | kW/kW               | 4.04/4.42                                  | 3.92/4.29       | 3.79/4.26       | 3.70/4.14       | 3.59/4.12       |
|                          | SCOP                                  | kW/kW               | 4.51                                       | 4.38            | 4.39            | 4.27            | 4.28            |
| Ventilation              | Air Flow Rate                         | m <sup>3</sup> /min | 934  | 934             | 934             | 934             | 934             |
|                          | Fan Quantity                          | pcs                 | 4  | 4               | 4               | 4               | 4               |
|                          | Static Pressure                       | Pa                  | 110  | 110             | 110             | 110             | 110             |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)               | 71   | 71              | 71              | 71              | 71              |
|                          | Silent Mode                           | dB(A)               | 43   | 43              | 43              | 43              | 43              |
| Compressor               | Type                                  | —                   | Enhanced Vapor Injection Scroll Compressor |                 |                 |                 |                 |
|                          | Quantity                              | pcs                 | 4  | 4               | 4               | 4               | 4               |
| Refrigerant              | Type                                  | —                   | R410A                                      |                 |                 |                 |                 |
|                          | Pre-charged Amount                    | kg                  | 32.2                                       | 32.2            | 32.2            | 32.2            | 32.2            |
| Weight                   | Net Weight                            | kg                  | 482+482                                    | 482+493         | 482+493         | 493+493         | 493+493         |
|                          | Gross Weight                          | kg                  | 519+519                                    | 519+530         | 519+530         | 530+530         | 530+530         |
| Dimensions               | External (H × W × D)                  | mm                  | 1800x(1880+1880)x825                       |                 |                 |                 |                 |
|                          | Packing (H × W × D)                   | mm                  | 1960x(1940+1940)x885                       |                 |                 |                 |                 |
| Cabinet Color            | —                                     | —                   | Gray + White                               |                 |                 |                 |                 |
| Ref. Piping              | Gas Pipe                              | mm                  | φ44.5                                      | φ44.5           | φ44.5           | φ44.5           | φ44.5           |
|                          |                                       | inch                | 1-3/4                                      | 1-3/4           | 1-3/4           | 1-3/4           | 1-3/4           |
|                          | Liquid Pipe                           | mm                  | φ22.2                                      | φ22.2           | φ22.2           | φ22.2           | φ22.2           |
|                          |                                       | inch                | 7/8  | 7/8             | 7/8             | 7/8             | 7/8             |
| Connectable Indoor Units | Quantity                              | pcs                 | 128  | 128             | 128             | 128             | 128             |
|                          | Connection Ratio*3                    | —                   | 30-150%                                    |                 |                 |                 |                 |
| Piping Design            | Max. Piping Length (Actual)           | m                   | 220  | 220             | 220             | 220             | 220             |
|                          | Max. Piping Length (Equivalent)       | m                   | 260  | 260             | 260             | 260             | 260             |
|                          | Height Difference between ODU and IDU | m                   | 110  | 110             | 110             | 110             | 110             |
|                          | Height Difference between IDUs        | m                   | 40   | 40              | 40              | 40              | 40              |
| Operation Range          | Cooling                               | ℃                   | -15℃ DB ~55℃ DB                            | -15℃ DB ~55℃ DB | -15℃ DB ~55℃ DB | -15℃ DB ~55℃ DB | -15℃ DB ~55℃ DB |
|                          | Heating                               | ℃                   | -30℃ WB ~30℃ DB                            | -30℃ WB ~30℃ DB | -30℃ WB ~30℃ DB | -30℃ WB ~30℃ DB | -30℃ WB ~30℃ DB |

Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air inlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.  
Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe Length: 7.5m, pipe height difference: 0m.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

## Hi-FLEXi S5 Series



| HP                       |                                       |                     | 74HP                                       | 76HP                      | 78HP                      | 80HP                      |
|--------------------------|---------------------------------------|---------------------|--|---------------------------|---------------------------|---------------------------|
| Model                    |                                       |                     | AVWT-714HKF5S                              | AVWT-732HKF5S             | AVWT-750HKF5S             | AVWT-772HKF5S             |
| Modules                  |                                       |                     | AVWT-232HKF5S                              | AVWT-232HKF5S             | AVWT-250HKF5S             | AVWT-250HKF5S             |
|                          |                                       |                     | AVWT-232HKF5S                              | AVWT-250HKF5S             | AVWT-250HKF5S             | AVWT-250HKF5S             |
|                          |                                       |                     | AVWT-250HKF5S                              | AVWT-250HKF5S             | AVWT-250HKF5S             | AVWT-272HKF5S             |
| Power Supply             |                                       |                     | 380-415V 3~ 50Hz/60Hz                      |                           |                           |                           |
| Cooling                  | Capacity*1                            | kW                  | 209.5                                      | 215.0                     | 220.5                     | 225.5                     |
|                          |                                       | kBtu/h              | 714.7                                      | 733.4                     | 752.1                     | 769.2                     |
|                          | Power Input                           | kW                  | 70.57                                      | 72.92                     | 75.27                     | 75.83                     |
|                          | EER                                   | kW/kW               | 2.97                                       | 2.95                      | 2.93                      | 2.97                      |
|                          | SEER                                  | kW/kW               | 6.18                                       | 5.98                      | 5.80                      | 5.96                      |
| Heating                  | Capacity (Max/Nom)*1                  | kW                  | 232.5/209.5                                | 240/215                   | 247.5/220.5               | 252.5/225.5               |
|                          |                                       | kBtu/h              | 793.2/714.7                                | 818.7/733.4               | 844.2/752.1               | 861.3/769.2               |
|                          | Power Input (Max/Nom)                 | kW                  | 61.64/46.3                                 | 62.8/47.06                | 63.96/47.82               | 63.37/49.6                |
|                          | COP (Max/Nom)                         | kW/kW               | 3.77/4.52                                  | 3.82/4.57                 | 3.87/4.61                 | 3.98/4.55                 |
|                          | SCOP                                  | kW/kW               | 4.62                                       | 4.44                      | 4.27                      | 4.36                      |
| Ventilation              | Air Flow Rate                         | m <sup>3</sup> /min | 1034                                       | 1117                      | 1200                      | 1208                      |
|                          | Fan Quantity                          | pcs                 | 6  | 6                         | 6                         | 6                         |
|                          | Static Pressure                       | Pa                  | 110  | 110                       | 110                       | 110                       |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)               | 71   | 71                        | 71                        | 72                        |
|                          | Silent Mode                           | dB(A)               | 45   | 45                        | 45                        | 45                        |
| Compressor               | Type                                  | —                   | Enhanced Vapor Injection Scroll Compressor |                           |                           |                           |
|                          | Quantity                              | pcs                 | 6  | 6                         | 6                         | 6                         |
| Refrigerant              | Type                                  | —                   | R410A                                      |                           |                           |                           |
|                          | Pre-charged Amount                    | kg                  | 37.7                                       | 36.1                      | 34.5                      | 38.5                      |
| Weight                   | Net Weight                            | kg                  | 406+368+368                                | 406+406+368               | 406+406+406               | 482+406+406               |
|                          | Gross Weight                          | kg                  | 430+399+399                                | 430+430+399               | 430+430+430               | 519+430+430               |
| Dimensions               | External (H × W × D)                  | mm                  | 1800x(1390+1390+1600)x825                  | 1800x(1600+1600+1390)x825 | 1800x(1600+1600+1600)x825 | 1800x(1880+1600+1600)x825 |
|                          | Packing (H × W × D)                   | mm                  | 1960x(1450+1450+1660)x885                  | 1960x(1660+1660+1450)x885 | 1960x(1660+1660+1660)x885 | 1960x(1940+1660+1660)x885 |
| Cabinet Color            | —                                     | —                   | Gray + White                               |                           |                           |                           |
| Ref. Piping              | Gas Pipe                              | mm                  | φ44.5                                      | φ44.5                     | φ44.5                     | φ44.5                     |
|                          |                                       | inch                | 1-3/4                                      | 1-3/4                     | 1-3/4                     | 1-3/4                     |
|                          | Liquid Pipe                           | mm                  | φ22.2                                      | φ22.2                     | φ22.2                     | φ22.2                     |
|                          |                                       | inch                | 7/8  | 7/8                       | 7/8                       | 7/8                       |
| Connectable Indoor Units | Quantity                              | pcs                 | 128  | 128                       | 128                       | 128                       |
|                          | Connection Ratio*3                    | —                   | 30-130%                                    |                           |                           |                           |
| Piping Design            | Max. Piping Length (Actual)           | m                   | 220  | 220                       | 220                       | 220                       |
|                          | Max. Piping Length (Equivalent)       | m                   | 260  | 260                       | 260                       | 260                       |
|                          | Height Difference between ODU and IDU | m                   | 110  | 110                       | 110                       | 110                       |
|                          | Height Difference between IDUs        | m                   | 40   | 40                        | 40                        | 40                        |
| Operation Range          | Cooling                               | ℃                   | -15℃ DB ~55℃ DB                            | -15℃ DB ~55℃ DB           | -15℃ DB ~55℃ DB           | -15℃ DB ~55℃ DB           |
|                          | Heating                               | ℃                   | -30℃ WB ~30℃ DB                            | -30℃ WB ~30℃ DB           | -30℃ WB ~30℃ DB           | -30℃ WB ~30℃ DB           |

Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air inlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.  
Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe Length: 7.5m, pipe height difference: 0m.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

### Hi-FLEXi S5 Series



| HP                       |                                       |                     | 82HP                                       | 84HP              | 86HP              | 88HP              |
|--------------------------|---------------------------------------|---------------------|--|-------------------|-------------------|-------------------|
| Model                    |                                       |                     | AVWT-790HKF5S                              | AVWT-807HKF5S     | AVWT-824HKF5S     | AVWT-843HKF5S     |
| Modules                  |                                       |                     | AVWT-250HKF5S                              | AVWT-250HKF5S     | AVWT-250HKF5S     | AVWT-250HKF5S     |
|                          |                                       |                     | AVWT-250HKF5S                              | AVWT-250HKF5S     | AVWT-250HKF5S     | AVWT-250HKF5S     |
|                          |                                       |                     | AVWT-290HKF5S                              | AVWT-307HKF5S     | AVWT-324HKF5S     | AVWT-343HKF5S     |
| Power Supply             |                                       |                     | 380-415V 3~50Hz/60Hz                       |                   |                   |                   |
| Cooling                  | Capacity*1                            | kW                  | 232.0                                      | 237.0             | 242.4             | 247.0             |
|                          |                                       | kBtu/h              | 791.4                                      | 808.4             | 826.9             | 842.6             |
|                          | Power Input                           | kW                  | 80.43                                      | 81.87             | 84.87             | 86.81             |
|                          | EER                                   | kW/kW               | 2.88                                       | 2.89              | 2.86              | 2.85              |
|                          | SEER                                  | kW/kW               | 5.87                                       | 5.84              | 5.80              | 5.80              |
| Heating                  | Capacity (Max/Nom)*1                  | kW                  | 260/232                                    | 265/237           | 271.5/242.4       | 278/247           |
|                          |                                       | kBtu/h              | 886.9/791.4                                | 904/808.4         | 926.1/826.9       | 948.3/842.6       |
|                          | Power Input (Max/Nom)                 | kW                  | 65.87/51.51                                | 67.39/52.24       | 70.52/54.76       | 74.12/56.15       |
|                          | COP (Max/Nom)                         | kW/kW               | 3.95/4.50                                  | 3.93/4.54         | 3.85/4.43         | 3.75/4.40         |
|                          | SCOP                                  | kW/kW               | 4.30                                       | 4.36              | 4.27              | 4.27              |
| Ventilation              | Air Flow Rate                         | m <sup>3</sup> /min | 1208                                       | 1267              | 1267              | 1267              |
|                          | Fan Quantity                          | pcs                 | 6  | 6                 | 6                 | 6                 |
|                          | Static Pressure                       | Pa                  | 110  | 110               | 110               | 110               |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)               | 72   | 72                | 72                | 72                |
|                          | Silent Mode                           | dB(A)               | 45   | 45                | 45                | 45                |
| Compressor               | Type                                  | —                   | Enhanced Vapor Injection Scroll Compressor |                   |                   |                   |
|                          | Quantity                              | pcs                 | 6  | 6                 | 6                 | 6                 |
| Refrigerant              | Type                                  | —                   | R410A                                      |                   |                   |                   |
|                          | Pre-charged Amount                    | kg                  | 38.5                                       | 39.1              | 39.1              | 39.1              |
| Weight                   | Net Weight                            | kg                  | 482+406+406                                | 482+406+406       | 493+406+406       | 493+406+406       |
|                          | Gross Weight                          | kg                  | 519+430+430                                | 519+430+430       | 530+430+430       | 530+430+430       |
| Dimensions               | External (H × W × D)                  | mm                  | 1800x(1880+1600+1600)x825                  |                   |                   |                   |
|                          | Packing (H × W × D)                   | mm                  | 1960x(1940+1660+1660)x885                  |                   |                   |                   |
| Cabinet Color            |                                       |                     | Gray + White                               |                   |                   |                   |
| Ref. Piping              | Gas Pipe                              | mm                  | φ44.5                                      | φ50.8             | φ50.8             | φ50.8             |
|                          |                                       | inch                | 1-3/4                                      | 2                 | 2                 | 2                 |
|                          | Liquid Pipe                           | mm                  | φ22.2                                      | φ25.4             | φ25.4             | φ25.4             |
|                          |                                       | inch                | 7/8  | 1                 | 1                 | 1                 |
| Connectable Indoor Units | Quantity                              | pcs                 | 128  | 128               | 128               | 128               |
|                          | Connection Ratio*3                    | —                   | 30-130%                                    |                   |                   |                   |
| Piping Design            | Max. Piping Length (Actual)           | m                   | 220  | 220               | 220               | 220               |
|                          | Max. Piping Length (Equivalent)       | m                   | 260  | 260               | 260               | 260               |
|                          | Height Difference between ODU and IDU | m                   | 110  | 110               | 110               | 110               |
|                          | Height Difference between IDUs        | m                   | 40   | 40                | 40                | 40                |
| Operation Range          | Cooling                               | °C                  | -15°C DB ~55°C DB                          | -15°C DB ~55°C DB | -15°C DB ~55°C DB | -15°C DB ~55°C DB |
|                          | Heating                               | °C                  | -30°C WB ~30°C DB                          | -30°C WB ~30°C DB | -30°C WB ~30°C DB | -30°C WB ~30°C DB |

Notes:

- 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.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

### Hi-FLEXi S5 Series



| HP                       |                                       |                     | 90HP                                       | 92HP              | 94HP              |
|--------------------------|---------------------------------------|---------------------|--|-------------------|-------------------|
| Model                    |                                       |                     | AVWT-864HKF5S                              | AVWT-881HKF5S     | AVWT-900HKF5S     |
| Modules                  |                                       |                     | AVWT-250HKF5S                              | AVWT-250HKF5S     | AVWT-250HKF5S     |
|                          |                                       |                     | AVWT-307HKF5S                              | AVWT-307HKF5S     | AVWT-307HKF5S     |
|                          |                                       |                     | AVWT-307HKF5S                              | AVWT-324HKF5S     | AVWT-343HKF5S     |
| Power Supply             |                                       |                     | 380-415V 3~50Hz/60Hz                       |                   |                   |
| Cooling                  | Capacity*1                            | kW                  | 253.5                                      | 258.9             | 263.5             |
|                          |                                       | kBtu/h              | 864.7                                      | 883.2             | 898.9             |
|                          | Power Input                           | kW                  | 88.47                                      | 91.47             | 93.41             |
|                          | EER                                   | kW/kW               | 2.87                                       | 2.83              | 2.82              |
|                          | SEER                                  | kW/kW               | 5.87                                       | 5.83              | 5.83              |
| Heating                  | Capacity (Max/Nom)*1                  | kW                  | 282.5/253.5                                | 289/258.9         | 295.5/263.5       |
|                          |                                       | kBtu/h              | 963.8/864.7                                | 985.9/883.2       | 1008.1/898.9      |
|                          | Power Input (Max/Nom)                 | kW                  | 70.82/56.66                                | 73.95/59.18       | 77.55/60.57       |
|                          | COP (Max/Nom)                         | kW/kW               | 3.99/4.47                                  | 3.91/4.37         | 3.81/4.35         |
|                          | SCOP                                  | kW/kW               | 4.44                                       | 4.35              | 4.35              |
| Ventilation              | Air Flow Rate                         | m <sup>3</sup> /min | 1334                                       | 1334              | 1334              |
|                          | Fan Quantity                          | pcs                 | 6  | 6                 | 6                 |
|                          | Static Pressure                       | Pa                  | 110  | 110               | 110               |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)               | 72   | 72                | 72                |
|                          | Silent Mode                           | dB(A)               | 45   | 45                | 45                |
| Compressor               | Type                                  | —                   | Enhanced Vapor Injection Scroll Compressor |                   |                   |
|                          | Quantity                              | pcs                 | 6  | 6                 | 6                 |
| Refrigerant              | Type                                  | —                   | R410A                                      |                   |                   |
|                          | Pre-charged Amount                    | kg                  | 43.7                                       | 43.7              | 43.7              |
| Weight                   | Net Weight                            | kg                  | 482+482+406                                | 493+482+406       | 493+482+406       |
|                          | Gross Weight                          | kg                  | 519+519+430                                | 530+519+430       | 530+519+430       |
| Dimensions               | External (H × W × D)                  | mm                  | 1800x(1880+1880+1600)x825                  |                   |                   |
|                          | Packing (H × W × D)                   | mm                  | 1960x(1940+1940+1660)x885                  |                   |                   |
| Cabinet Color            |                                       |                     | Gray + White                               |                   |                   |
| Ref. Piping              | Gas Pipe                              | mm                  | φ50.8                                      | φ50.8             | φ50.8             |
|                          |                                       | inch                | 2  | 2                 | 2                 |
|                          | Liquid Pipe                           | mm                  | φ25.4                                      | φ25.4             | φ25.4             |
|                          |                                       | inch                | 1  | 1                 | 1                 |
| Connectable Indoor Units | Quantity                              | pcs                 | 128  | 128               | 128               |
|                          | Connection Ratio*3                    | —                   | 30-130%                                    |                   |                   |
| Piping Design            | Max. Piping Length (Actual)           | m                   | 220  | 220               | 220               |
|                          | Max. Piping Length (Equivalent)       | m                   | 260  | 260               | 260               |
|                          | Height Difference between ODU and IDU | m                   | 110  | 110               | 110               |
|                          | Height Difference between IDUs        | m                   | 40   | 40                | 40                |
| Operation Range          | Cooling                               | °C                  | -15°C DB ~55°C DB                          | -15°C DB ~55°C DB | -15°C DB ~55°C DB |
|                          | Heating                               | °C                  | -30°C WB ~30°C DB                          | -30°C WB ~30°C DB | -30°C WB ~30°C DB |

Notes:

- 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.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

### Hi-FLEXi S5 Series



| HP                       |                                       |        | 96HP                                       | 98HP            | 100HP                     | 102HP           |
|--------------------------|---------------------------------------|--------|--|-----------------|---------------------------|-----------------|
| Model                    |                                       |        | AVWT-917HKF5S                              | AVWT-936HKF5S   | AVWT-957HKF5S             | AVWT-974HKF5S   |
| Modules                  |                                       |        | AVWT-250HKF5S                              | AVWT-250HKF5S   | AVWT-307HKF5S             | AVWT-307HKF6S   |
|                          |                                       |        | AVWT-324HKF5S                              | AVWT-343HKF5S   | AVWT-307HKF5S             | AVWT-324HKF5S   |
|                          |                                       |        | AVWT-343HKF5S                              | AVWT-343HKF5S   | AVWT-343HKF5S             | AVWT-343HKF5S   |
|                          |                                       | /      | /  | /               | /                         |                 |
| Power Supply             |                                       |        | 380-415V 3~ 50Hz/60Hz                      |                 |                           |                 |
| Cooling                  | Capacity*1                            | kW     | 268.9                                      | 273.5           | 280.0                     | 285.4           |
|                          |                                       | kBtu/h | 917.4                                      | 933.1           | 955.2                     | 973.7           |
|                          | Power Input                           | kW     | 96.41                                      | 98.35           | 100.01                    | 103.01          |
|                          | EER                                   | kW/kW  | 2.79                                       | 2.78            | 2.80                      | 2.77            |
|                          | SEER                                  | kW/kW  | 5.80                                       | 5.80            | 5.86                      | 5.83            |
| Heating                  | Capacity (Max/Nom)*1                  | kW     | 302/268.9                                  | 308.5/273.5     | 313/280                   | 319.5/285.4     |
|                          |                                       | kBtu/h | 1030.2/917.4                               | 1052.4/933.1    | 1067.9/955.2              | 1090/973.7      |
|                          | Power Input (Max/Nom)                 | kW     | 80.68/63.09                                | 84.28/64.48     | 80.98/64.99               | 84.11/67.51     |
|                          | COP (Max/Nom)                         | kW/kW  | 3.74/4.26                                  | 3.66/4.24       | 3.87/4.31                 | 3.8/4.23        |
|                          | SCOP                                  | kW/kW  | 4.27                                       | 4.28            | 4.43                      | 4.34            |
| Ventilation              | Air Flow Rate                         | m³/min | 1334                                       | 1334            | 1401                      | 1401            |
|                          | Fan Quantity                          | pcs    | 6  | 6               | 6                         | 6               |
|                          | Static Pressure                       | Pa     | 110  | 110             | 110                       | 110             |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)  | 73   | 73              | 73                        | 73              |
|                          | Silent Mode                           | dB(A)  | 45   | 45              | 45                        | 45              |
| Compressor               | Type                                  | —      | Enhanced Vapor Injection Scroll Compressor |                 |                           |                 |
|                          | Quantity                              | pcs    | 6  | 6               | 6                         | 6               |
| Refrigerant              | Type                                  | —      | R410A                                      |                 |                           |                 |
|                          | Pre-charged Amount                    | kg     | 43.7                                       | 43.7            | 48.3                      | 48.3            |
| Weight                   | Net Weight                            | kg     | 493+493+406                                | 493+493+406     | 493+482+482               | 493+493+482     |
|                          | Gross Weight                          | kg     | 530+530+430                                | 530+530+430     | 530+519+519               | 530+530+519     |
| Dimensions               | External (H × W × D)                  | mm     | 1800x(1880+1880+1600)x825                  |                 | 1800x(1880+1880+1880)x825 |                 |
|                          | Packing (H × W × D)                   | mm     | 1960x(1940+1940+1660)x885                  |                 | 1960x(1940+1940+1940)x885 |                 |
| Cabinet Color            | —                                     | —      | Gray + White                               |                 |                           |                 |
| Ref. Piping              | Gas Pipe                              | mm     | φ50.8                                      | φ50.8           | φ50.8                     | φ50.8           |
|                          |                                       | inch   | 2  | 2               | 2                         | 2               |
|                          | Liquid Pipe                           | mm     | φ25.4                                      | φ25.4           | φ25.4                     | φ25.4           |
|                          |                                       | inch   | 1  | 1               | 1                         | 1               |
| Connectable Indoor Units | Quantity                              | pcs    | 128  | 128             | 128                       | 128             |
|                          | Connection Ratio*3                    | —      | 30~130%                                    |                 |                           |                 |
| Piping Design            | Max. Piping Length (Actual)           | m      | 220  | 220             | 220                       | 220             |
|                          | Max. Piping Length (Equivalent)       | m      | 260  | 260             | 260                       | 260             |
|                          | Height Difference between ODU and IDU | m      | 110  | 110             | 110                       | 110             |
|                          | Height Difference between IDUs        | m      | 40   | 40              | 40                        | 40              |
| Operation Range          | Cooling                               | ℃      | -15℃ DB ~55℃ DB                            | -15℃ DB ~55℃ DB | -15℃ DB ~55℃ DB           | -15℃ DB ~55℃ DB |
|                          | Heating                               | ℃      | -30℃ WB ~30℃ DB                            | -30℃ WB ~30℃ DB | -30℃ WB ~30℃ DB           | -30℃ WB ~30℃ DB |

Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air inlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.  
Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe Length: 7.5m, pipe height difference: 0m.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

### Hi-FLEXi S5 Series



| HP                       |                                       |        | 104HP                                      | 106HP           | 108HP           |
|--------------------------|---------------------------------------|--------|--|-----------------|-----------------|
| Model                    |                                       |        | AVWT-993HKF5S                              | AVWT-1010HKF5S  | AVWT-1029HKF5S  |
| Modules                  |                                       |        | AVWT-307HKF7S                              | AVWT-324HKF5S   | AVWT-343HKF5S   |
|                          |                                       |        | AVWT-343HKF5S                              | AVWT-343HKF5S   | AVWT-343HKF5S   |
|                          |                                       |        | AVWT-343HKF5S                              | AVWT-343HKF5S   | AVWT-343HKF5S   |
|                          |                                       | /      | /  | /               |                 |
| Power Supply             |                                       |        | 380-415V 3~ 50Hz/60Hz                      |                 |                 |
| Cooling                  | Capacity*1                            | kW     | 290.0                                      | 295.4           | 300.0           |
|                          |                                       | kBtu/h | 959.4                                      | 1007.9          | 1023.6          |
|                          | Power Input                           | kW     | 104.95                                     | 107.95          | 109.89          |
|                          | EER                                   | kW/kW  | 2.76                                       | 2.74            | 2.73            |
|                          | SEER                                  | kW/kW  | 5.83                                       | 5.80            | 5.80            |
| Heating                  | Capacity (Max/Nom)*1                  | kW     | 326/290                                    | 332.5/295.4     | 339/300         |
|                          |                                       | kBtu/h | 1112.2/959.4                               | 1134.3/1007.9   | 1156.5/1023.6   |
|                          | Power Input (Max/Nom)                 | kW     | 87.71/68.9                                 | 90.84/71.42     | 94.44/72.81     |
|                          | COP (Max/Nom)                         | kW/kW  | 3.72/4.21                                  | 3.66/4.14       | 3.59/4.12       |
|                          | SCOP                                  | kW/kW  | 4.35                                       | 4.27            | 4.28            |
| Ventilation              | Air Flow Rate                         | m³/min | 1401                                       | 1401            | 1401            |
|                          | Fan Quantity                          | pcs    | 6  | 6               | 6               |
|                          | Static Pressure                       | Pa     | 110  | 110             | 110             |
| Sound Pressure Level*2   | Normal Mode                           | dB(A)  | 73   | 73              | 73              |
|                          | Silent Mode                           | dB(A)  | 45   | 45              | 45              |
| Compressor               | Type                                  | —      | Enhanced Vapor Injection Scroll Compressor |                 |                 |
|                          | Quantity                              | pcs    | 6  | 6               | 6               |
| Refrigerant              | Type                                  | —      | R410A                                      |                 |                 |
|                          | Pre-charged Amount                    | kg     | 48.3                                       | 48.3            | 48.3            |
| Weight                   | Net Weight                            | kg     | 493+493+482                                | 493+493+493     | 493+493+493     |
|                          | Gross Weight                          | kg     | 530+530+519                                | 530+530+530     | 530+530+530     |
| Dimensions               | External (H × W × D)                  | mm     | 1800x(1880+1880+1880)x825                  |                 |                 |
|                          | Packing (H × W × D)                   | mm     | 1960x(1940+1940+1940)x885                  |                 |                 |
| Cabinet Color            | —                                     | —      | Gray + White                               |                 |                 |
| Ref. Piping              | Gas Pipe                              | mm     | φ50.8                                      | φ50.8           | φ50.8           |
|                          |                                       | inch   | 2  | 2               | 2               |
|                          | Liquid Pipe                           | mm     | φ25.4                                      | φ25.4           | φ25.4           |
|                          |                                       | inch   | 1  | 1               | 1               |
| Connectable Indoor Units | Quantity                              | pcs    | 128  | 128             | 128             |
|                          | Connection Ratio*3                    | —      | 30~130%                                    |                 |                 |
| Piping Design            | Max. Piping Length (Actual)           | m      | 220  | 220             | 220             |
|                          | Max. Piping Length (Equivalent)       | m      | 260  | 260             | 260             |
|                          | Height Difference between ODU and IDU | m      | 110  | 110             | 110             |
|                          | Height Difference between IDUs        | m      | 40   | 40              | 40              |
| Operation Range          | Cooling                               | ℃      | -15℃ DB ~55℃ DB                            | -15℃ DB ~55℃ DB | -15℃ DB ~55℃ DB |
|                          | Heating                               | ℃      | -30℃ WB ~30℃ DB                            | -30℃ WB ~30℃ DB | -30℃ WB ~30℃ DB |

Notes:

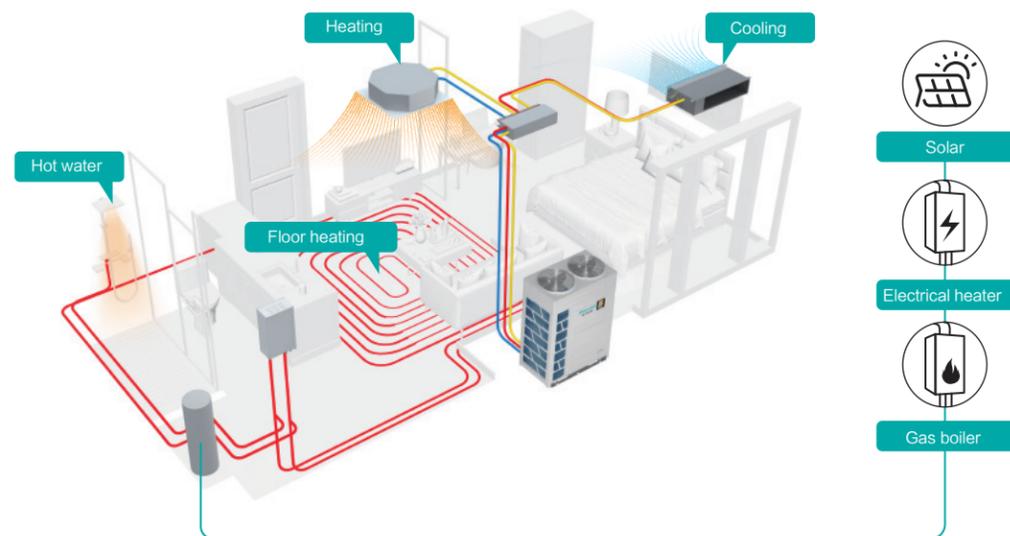
- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling Conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, outdoor air inlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m.  
Heating Conditions: indoor air inlet temperature: 20℃ DB, outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe Length: 7.5m, pipe height difference: 0m.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 1.5m from the floor level.
- When the connection ratio is lower than 50% or higher than 130%, please consult our local technical engineers.

# Hi-FLEXi **S** Heat Recovery Series



## All in One Renewable Energy Solution

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



## 200% Connection Ratio

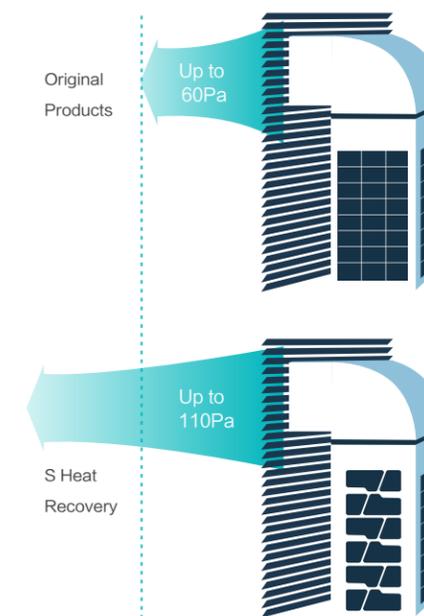
The powerful S heat recovery series outdoor units are connectable to indoor units up to 2 times of its own capacity with ratio of 200% for a more efficient and cost saving system.

\*This feature is subject to a specific condition. For further information, please contact our engineers.



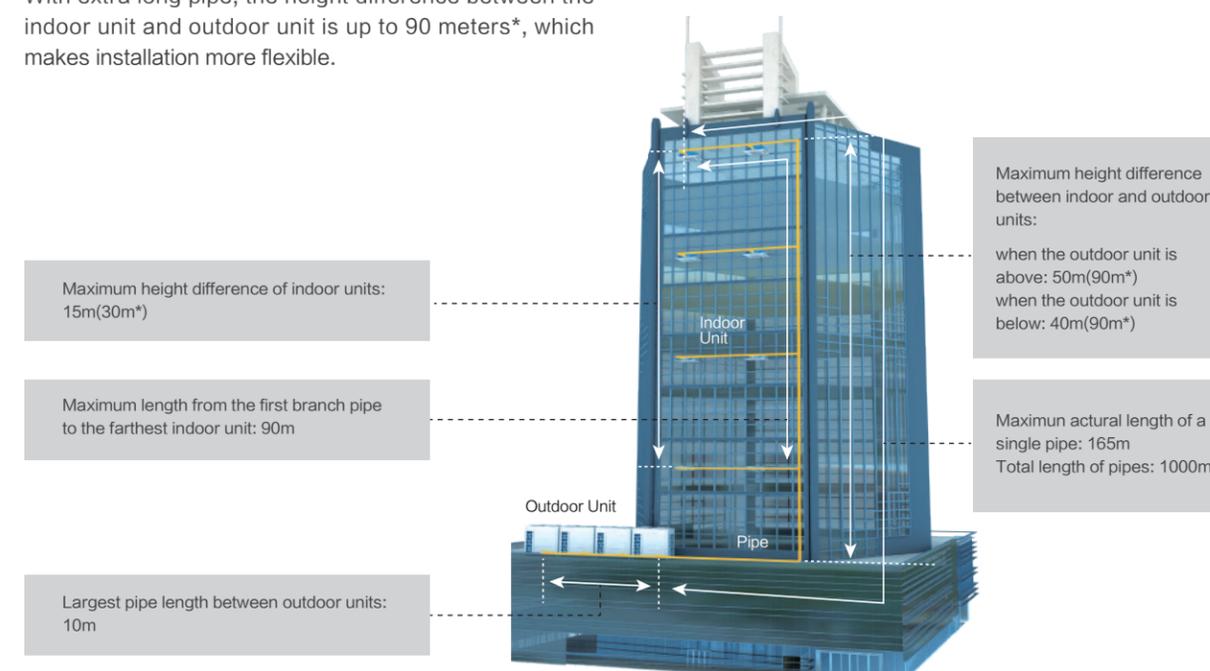
## External Static Pressure

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



## Piping Length

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

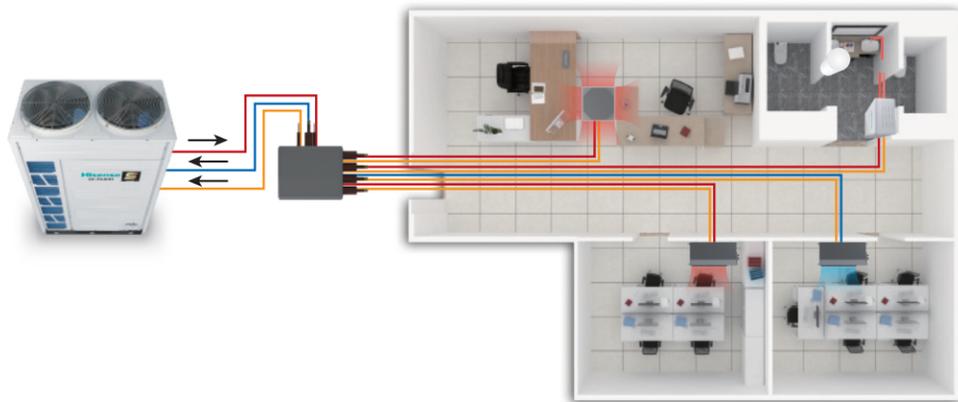


\*Note: For detailed information, please contact Hisense's technical staff.

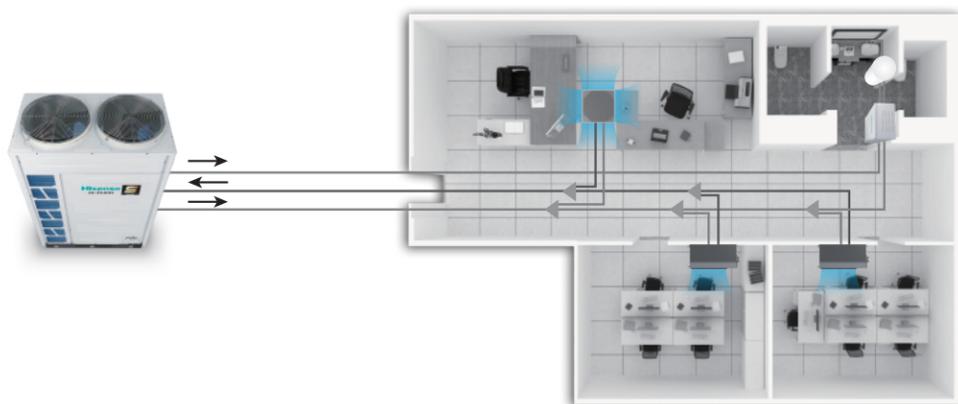
## New Upgraded Switch Box

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

### Heating Domination Mode

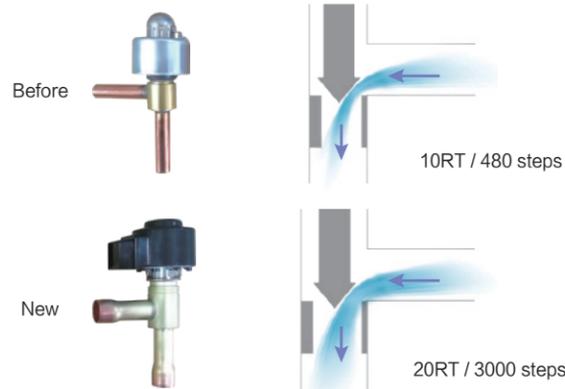
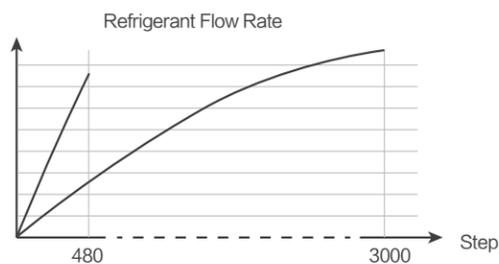


### 3 Pipes Without Switch Box



## Dual 20RT EEV

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



## Hi-FLEXi S Heat Recovery (Standard)



| HP                                    |                                       | 8HP  | 10HP          | 12HP          | 14HP          | 16HP          |                |
|---------------------------------------|---------------------------------------|--|---------------|---------------|---------------|---------------|----------------|
| Model                                 | Model                                 | AVWT-76FKFSB                               | AVWT-96FKFSB  | AVWT-114FKFSB | AVWT-136FKFSB | AVWT-154FKFSB |                |
| Model                                 | Modules                               | —  | —             | —             | —             | —             |                |
| Power Supply                          |                                       | AC 3Φ, 380-415V/50/60Hz                    |               |               |               |               |                |
| Cooling                               | Capacity                              | kW   | 22.4          | 28.0          | 33.5          | 40.0          | 45.0           |
|                                       |                                       | kBtu/h                                     | 76.4          | 95.5          | 114.3         | 136.5         | 153.5          |
|                                       | Power Input                           | kW   | 6.81          | 9.15          | 11.32         | 13.75         | 16.36          |
|                                       | EER                                   | kW/kW                                      | 3.30          | 3.05          | 2.95          | 2.91          | 2.75           |
|                                       | SEER                                  | kW/kW                                      | 6.48          | 7.21          | 7.19          | 6.56          | 6.48           |
| Heating                               | Capacity (Max/Nom)                    | kW   | 25.0/22.4     | 31.5/28.0     | 37.5/33.5     | 45.0/40.0     | 50.0/45.0      |
|                                       |                                       | kBtu/h                                     | 85.3/76.4     | 107.5/95.5    | 128.0/114.3   | 153.5/136.5   | 170.6/153.5    |
|                                       | Power Input (Max/Nom)                 | kW   | 7.10/5.83     | 8.93/7.41     | 10.68/9.31    | 13.41/11.24   | 15.70/12.97    |
|                                       | COP (Max/Nom)                         | kW/kW                                      | 3.52/3.84     | 3.53/3.78     | 3.51/3.60     | 3.36/3.56     | 3.19/3.47      |
|                                       | SCOP                                  | kW/kW                                      | 4.14          | 4.23          | 4.24          | 4.12          | 4.14           |
| Ventilation                           | Air Flow Rate                         | m <sup>3</sup> /min                        | 183           | 183           | 183           | 200           | 200            |
|                                       | Fan Quantity                          |  | 1             | 1             | 1             | 2             | 2              |
| Sound Pressure Level (Normal/ Silent) | Static Pressure                       | Pa   | 110           | 110           | 110           | 110           | 110            |
|                                       |                                       | dB(A)                                      | 59/49         | 60/49         | 62/50         | 62/53         | 62/53          |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |               |               |               |               |                |
|                                       | Compressor Quantity                   | pcs  | 1             | 1             | 1             | 1             | 1              |
| Refrigerant                           | Type                                  | R410A                                      |               |               |               |               |                |
|                                       | Pre-charged Quantity                  | kg   | 5.60          | 5.90          | 6.00          | 8.80          | 8.80           |
| Weight                                | Net Weight                            | kg   | 226           | 227           | 246           | 289           | 290            |
|                                       | Gross Weight                          | kg   | 256           | 257           | 276           | 321           | 322            |
| Dimensions                            | External(HxWxD)                       | mm   | 1730x950x750  | 1730x950x750  | 1730x950x750  | 1730x1210x750 | 1730x1210x750  |
|                                       | Packing(HxWxD)                        | mm   | 1950x1015x790 | 1950x1015x790 | 1950x1015x790 | 1950x1275x790 | 1950x1275x790  |
| Cabinet Color                         | Low Pressure Gas Line                 | mm(in.)                                    | φ 19.05(3/4)  | φ 22.20(7/8)  | φ 25.40(1)    | φ 25.40(1)    | φ 28.60(1-1/8) |
|                                       | High/Low Pressure Gas Line            | mm(in.)                                    | φ 15.88(5/8)  | φ 19.05(3/4)  | φ 22.20(7/8)  | φ 22.20(7/8)  | φ 22.20(7/8)   |
|                                       | Liquid Line                           | mm(in.)                                    | φ 9.53(3/8)   | φ 9.53(3/8)   | φ 12.70(1/2)  | φ 12.70(1/2)  | φ 12.70(1/2)   |
| Heat Pump Operation System            | Gas Line                              | mm(in.)                                    | φ 19.05(3/4)  | φ 22.20(7/8)  | φ 25.40(1)    | φ 25.40(1)    | φ 28.60(1-1/8) |
|                                       | Liquid Line                           | mm(in.)                                    | φ 9.53(3/8)   | φ 9.53(3/8)   | φ 12.70(1/2)  | φ 12.70(1/2)  | φ 12.70(1/2)   |
| Connectable Indoor Units              | Quantity                              | pcs  | 13            | 16            | 19            | 23            | 26             |
|                                       | Total Capacity                        | —  | 200%*1        | 200%*1        | 200%*1        | 200%*1        | 200%*1         |
| Piping Design                         | Height Difference Between ODU and IDU | m (above)                                  | 50(90°)       | 50(90°)       | 50(90°)       | 50(90°)       | 50(90°)        |
|                                       |                                       | m (below)                                  | 40(90°)       | 40(90°)       | 40(90°)       | 40(90°)       | 40(90°)        |
|                                       | Height Difference Between IDUs        | m  | 15(30°)       | 15(30°)       | 15(30°)       | 15(30°)       | 15(30°)        |
|                                       | Max. Piping Length                    | m  | 165           | 165           | 165           | 165           | 165            |
| Operation Range                       | Cooling                               | DB   | -10°C-52°C    | -10°C-52°C    | -10°C-52°C    | -10°C-52°C    | -10°C-52°C     |
|                                       | Heating                               | WB   | -25°C-16.5°C  | -25°C-16.5°C  | -25°C-16.5°C  | -25°C-16.5°C  | -25°C-16.5°C   |

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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

\*1\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (Standard)



| HP                                    |                                       | 18HP                                       | 20HP          | 22HP              | 24HP              |
|---------------------------------------|---------------------------------------|--|---------------|-------------------|-------------------|
| Model                                 |                                       | AVWT-170FKFSB                              | AVWT-190FKFSB | AVWT-212FKFSB     | AVWT-232FKFSB     |
| Modules                               |                                       | —  | —             | —                 | —                 |
| Power Supply                          |                                       | AC 3φ, 380-415V/50/60Hz                    |               |                   |                   |
| Cooling                               | Capacity                              | 50.0                                       | 56.0          | 61.5              | 68.0              |
|                                       | kBtu/h                                | 170.6                                      | 191.1         | 209.8             | 232.0             |
|                                       | Power Input                           | 20.41                                      | 23.43         | 26.74             | 29.82             |
|                                       | EER                                   | 2.45                                       | 2.39          | 2.30              | 2.28              |
|                                       | SEER                                  | 6.46                                       | 6.39          | 6.14              | 6.10              |
| Heating                               | Capacity (Max/Nom)                    | 56.0/50.0                                  | 63.0/56.0     | 69.0/61.5         | 75.0/68.0         |
|                                       | kBtu/h                                | 191.1/170.6                                | 215.0/191.1   | 235.4/209.8       | 255.9/232.0       |
|                                       | Power Input (Max/Nom)                 | 17.43/14.71                                | 19.19/16.18   | 22.26/18.75       | 25.14/20.92       |
|                                       | COP (Max/Nom)                         | 3.21/3.40                                  | 3.28/3.46     | 3.10/3.28         | 2.98/3.25         |
|                                       | SCOP                                  | 4.21                                       | 4.12          | 4.09              | 3.97              |
| Ventilation                           | Air Flow Rate                         | 200  | 267           | 350               | 350               |
|                                       | Fan Quantity                          | 2  | 2             | 2                 | 2                 |
| Sound Pressure Level (Normal/ Silent) | Static Pressure                       | 110  | 110           | 110               | 110               |
|                                       | dB(A)                                 | 62/54                                      | 63/54         | 67/54             | 67/54             |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |               |                   |                   |
|                                       | Compressor Quantity                   | 2  | 2             | 2                 | 2                 |
| Refrigerant                           | Type                                  | R410A                                      |               |                   |                   |
|                                       | Pre-charged Quantity                  | 9.20                                       | 9.80          | 11.50             | 11.50             |
| Weight                                | Net Weight                            | 349  | 369           | 400               | 401               |
|                                       | Gross Weight                          | 381  | 404           | 438               | 439               |
| Dimensions                            | External(HxWxD)                       | 1730x1210x750                              | 1730x1350x750 | 1730 × 1600 × 750 | 1730 × 1600 × 750 |
|                                       | Packing(HxWxD)                        | 1950x1275x790                              | 1950x1420x790 | 1950 × 1665 × 790 | 1950 × 1665 × 790 |
| Cabinet Color                         | Low Pressure Gas Line                 | mm(in.)                                    | φ28.60(1-1/8) | φ28.60(1-1/8)     | φ28.60(1-1/8)     |
|                                       | High/Low Pressure Gas Line            | mm(in.)                                    | φ22.2(7/8)    | φ22.2(7/8)        | φ25.4(1)          |
|                                       | Liquid Line                           | mm(in.)                                    | φ15.88(5/8)   | φ15.88(5/8)       | φ15.88(5/8)       |
| Heat Recovery Operation System        | Gas Line                              | mm(in.)                                    | φ28.60(1-1/8) | φ28.60(1-1/8)     | φ28.60(1-1/8)     |
|                                       | Liquid Line                           | mm(in.)                                    | φ15.88(5/8)   | φ15.88(5/8)       | φ15.88(5/8)       |
| Heat Pump Operation System            | Gas Line                              | mm(in.)                                    | φ28.60(1-1/8) | φ28.60(1-1/8)     | φ28.60(1-1/8)     |
|                                       | Liquid Line                           | mm(in.)                                    | φ15.88(5/8)   | φ15.88(5/8)       | φ15.88(5/8)       |
| Connectable Indoor Units              | Quantity                              | 29   | 33            | 36                | 40                |
|                                       | Total Capacity                        | —  | 200%*1        | 200%*1            | 200%*1            |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)                                   | 50(90*2)      | 50(90*2)          | 50(90*2)          |
|                                       | m(below)                              | 40(90*2)                                   | 40(90*2)      | 40(90*2)          | 40(90*2)          |
|                                       | Height Difference Between IDUs        | m  | 15(30*2)      | 15(30*2)          | 15(30*2)          |
| Operation Range                       | Max. Piping Length                    | m  | 165           | 165               | 165               |
|                                       | Cooling                               | DB   | -10°C~52°C    | -10°C~52°C        | -10°C~52°C        |
| Operation Range                       | Heating                               | WB   | -25°C~16.5°C  | -25°C~16.5°C      | -25°C~16.5°C      |

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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.  
 \*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (Standard)



| HP                                    |                                       | 26HP                                       | 28HP                           | 30HP                           | 32HP                           |
|---------------------------------------|---------------------------------------|--|--------------------------------|--------------------------------|--------------------------------|
| Model                                 |                                       | AVWT-250FKFSB                              | AVWT-272FKFSB                  | AVWT-290FKFSB                  | AVWT-308FKFSB                  |
| Modules                               |                                       | AVWT-136FKFSB<br>AVWT-114FKFSB             | AVWT-136FKFSB<br>AVWT-136FKFSB | AVWT-154FKFSB<br>AVWT-136FKFSB | AVWT-154FKFSB<br>AVWT-154FKFSB |
| Power Supply                          |                                       | AC 3φ, 380-415V/50/60Hz                    |                                |                                |                                |
| Cooling                               | Capacity                              | 73.5                                       | 80.0                           | 85.0                           | 90.0                           |
|                                       | kBtu/h                                | 250.8                                      | 273.0                          | 290.0                          | 307.1                          |
|                                       | Power Input                           | 25.07                                      | 27.50                          | 30.11                          | 32.72                          |
|                                       | EER                                   | 2.93                                       | 2.91                           | 2.82                           | 2.75                           |
|                                       | SEER                                  | 6.46                                       | 6.39                           | 6.14                           | 6.10                           |
| Heating                               | Capacity (Max/Nom)                    | 82.5/73.5                                  | 90.0/80.0                      | 95.0/85.0                      | 100.0/90.0                     |
|                                       | kBtu/h                                | 281.5/250.8                                | 307.1/273.0                    | 324.1/290.0                    | 341.2/307.1                    |
|                                       | Power Input (Max/Nom)                 | 24.09/20.56                                | 26.81/22.48                    | 29.10/24.21                    | 31.39/25.94                    |
|                                       | COP (Max/Nom)                         | 3.42/3.58                                  | 3.36/3.56                      | 3.26/3.51                      | 3.19/3.47                      |
|                                       | SCOP                                  | 4.21                                       | 4.12                           | 4.09                           | 3.97                           |
| Ventilation                           | Air Flow Rate                         | 383  | 400                            | 400                            | 400                            |
|                                       | Fan Quantity                          | 3  | 4                              | 4                              | 4                              |
| Sound Pressure Level (Normal/ Silent) | Static Pressure                       | 110  | 110                            | 110                            | 110                            |
|                                       | dB(A)                                 | 65/55                                      | 65/56                          | 65/56                          | 65/56                          |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |                                |                                |                                |
|                                       | Compressor Quantity                   | 2  | 2                              | 2                              | 2                              |
| Refrigerant                           | Type                                  | R410A                                      |                                |                                |                                |
|                                       | Pre-charged Quantity                  | 14.80                                      | 17.60                          | 17.60                          | 17.60                          |
| Weight                                | Net Weight                            | 535  | 578                            | 579                            | 580                            |
|                                       | Gross Weight                          | 597  | 642                            | 643                            | 644                            |
| Dimensions                            | External(HxWxD)                       | 1730x<br>(950+1210)<br>x750                | 1730x<br>(1210+1210)<br>x750   | 1730x<br>(1210+1210)<br>x750   | 1730x<br>(1210+1210)<br>x750   |
|                                       | Packing(HxWxD)                        | 1950x<br>(1015+1275)<br>x790               | 1950x<br>(1275+1275)<br>x790   | 1950x<br>(1275+1275)<br>x790   | 1950x<br>(1275+1275)<br>x790   |
| Cabinet Color                         | Low Pressure Gas Line                 | mm(in.)                                    | φ31.75(1-1/4)                  | φ31.75(1-1/4)                  | φ31.75(1-1/4)                  |
|                                       | High/Low Pressure Gas Line            | mm(in.)                                    | φ25.4(1)                       | φ28.6(1-1/8)                   | φ28.6(1-1/8)                   |
|                                       | Liquid Line                           | mm(in.)                                    | φ19.05(3/4)                    | φ19.05(3/4)                    | φ19.05(3/4)                    |
| Heat Recovery Operation System        | Gas Line                              | mm(in.)                                    | φ31.75(1-1/4)                  | φ31.75(1-1/4)                  | φ31.75(1-1/4)                  |
|                                       | Liquid Line                           | mm(in.)                                    | φ19.05(3/4)                    | φ19.05(3/4)                    | φ19.05(3/4)                    |
| Heat Pump Operation System            | Gas Line                              | mm(in.)                                    | φ31.75(1-1/4)                  | φ31.75(1-1/4)                  | φ31.75(1-1/4)                  |
|                                       | Liquid Line                           | mm(in.)                                    | φ19.05(3/4)                    | φ19.05(3/4)                    | φ19.05(3/4)                    |
| Connectable Indoor Units              | Quantity                              | 42   | 46                             | 49                             | 52                             |
|                                       | Total Capacity                        | —  | 200%*1                         | 200%*1                         | 200%*1                         |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)                                   | 50(90*2)                       | 50(90*2)                       | 50(90*2)                       |
|                                       | m(below)                              | 40(90*2)                                   | 40(90*2)                       | 40(90*2)                       | 40(90*2)                       |
|                                       | Height Difference Between IDUs        | m  | 15(30*2)                       | 15(30*2)                       | 15(30*2)                       |
| Operation Range                       | Max. Piping Length                    | m  | 165                            | 165                            | 165                            |
|                                       | Cooling                               | DB   | -10°C~52°C                     | -10°C~52°C                     | -10°C~52°C                     |
| Operation Range                       | Heating                               | WB   | -25°C~16.5°C                   | -25°C~16.5°C                   | -25°C~16.5°C                   |

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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.  
 \*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (Standard)



| HP                                    |                                       | 34HP                                       | 36HP                               | 38HP                               | 40HP                               |                                    |
|---------------------------------------|---------------------------------------|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Model                                 | Model                                 | AVWT-324FKFSB                              | AVWT-344FKFSB                      | AVWT-360FKFSB                      | AVWT-380FKFSB                      |                                    |
|                                       | Modules                               | AVWT-170FKFSB<br>AVWT-154FKFSB             | AVWT-190FKFSB<br>AVWT-154FKFSB     | AVWT-190FKFSB<br>AVWT-170FKFSB     | AVWT-190FKFSB<br>AVWT-190FKFSB     |                                    |
| Power Supply                          |                                       | AC 3 $\phi$ , 380-415V/50/60Hz             |                                    |                                    |                                    |                                    |
| Cooling                               | Capacity                              | 95.0                                       | 101.0                              | 106.0                              | 112.0                              |                                    |
|                                       | Capacity                              | kBtu/h                                     | 324.1                              | 344.6                              | 361.7                              | 382.1                              |
|                                       | Power Input                           | kW   | 36.77                              | 39.79                              | 43.84                              | 46.86                              |
|                                       | EER                                   | kW/kW                                      | 2.58                               | 2.54                               | 2.42                               | 2.39                               |
| Heating                               | Capacity (Max/Nom)                    | kW   | 106.0/95.0                         | 113.0/101.0                        | 119.0/106.0                        | 126.0/112.0                        |
|                                       | Capacity (Max/Nom)                    | kBtu/h                                     | 361.7/324.1                        | 385.6/344.6                        | 406.0/361.7                        | 429.9/382.1                        |
|                                       | Power Input (Max/Nom)                 | kW   | 33.13/27.68                        | 34.89/29.15                        | 36.63/30.89                        | 38.39/32.36                        |
| COP (Max/Nom)                         | kW/kW                                 | 3.20/3.43                                  | 3.24/3.46                          | 3.25/3.43                          | 3.28/3.46                          |                                    |
|                                       | Air Flow Rate                         | m <sup>3</sup> /min                        | 400                                | 467                                | 467                                | 534                                |
| Ventilation                           | Fan Quantity                          | 4  | 4                                  | 4                                  | 4                                  |                                    |
|                                       | Static Pressure                       | Pa   | 110                                | 110                                | 110                                | 110                                |
| Sound Pressure Level (Normal/ Silent) | dB(A)                                 | 65/57                                      | 66/57                              | 66/57                              | 66/57                              |                                    |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |                                    |                                    |                                    |                                    |
|                                       | Compressor Quantity                   | pcs  | 3                                  | 3                                  | 4                                  | 4                                  |
| Refrigerant                           | Type                                  | R410A                                      |                                    |                                    |                                    |                                    |
|                                       | Pre-charged Quantity                  | kg   | 18.00                              | 18.60                              | 19.00                              | 19.60                              |
| Weight                                | Net Weight                            | kg   | 639                                | 659                                | 718                                | 738                                |
|                                       | Gross Weight                          | kg   | 703                                | 726                                | 785                                | 808                                |
| Dimensions                            | External(HxWxD)                       | mm   | 1730x<br>(1210+1210)<br>x750       | 1730x<br>(1210+1350)<br>x750       | 1730x<br>(1210+1350)<br>x750       | 1730x<br>(1350+1350)<br>x750       |
|                                       |                                       | Packing(HxWxD)                             | mm                                 | 1950x<br>(1275+1275)<br>x790       | 1950x<br>(1275+1420)<br>x790       | 1950x<br>(1275+1420)<br>x790       |
|                                       | Cabinet Color                         | mm   | 1950x<br>(1275+1275)<br>x790       | 1950x<br>(1275+1420)<br>x790       | 1950x<br>(1275+1420)<br>x790       | 1950x<br>(1420+1420)<br>x790       |
|                                       |                                       | mm   | 1950x<br>(1275+1275)<br>x790       | 1950x<br>(1275+1420)<br>x790       | 1950x<br>(1275+1420)<br>x790       | 1950x<br>(1420+1420)<br>x790       |
| Heat Recovery Operation System        | Low Pressure Gas Line                 | mm(in.)                                    | $\phi$ 31.75(1-1/4)                | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 |
|                                       | High/Low Pressure Gas Line            | mm(in.)                                    | $\phi$ 28.6(1-1/8)                 | $\phi$ 28.6(1-1/8)                 | $\phi$ 31.75(1-1/4)                | $\phi$ 31.75(1-1/4)                |
|                                       | Liquid Line                           | mm(in.)                                    | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  |
| Heat Pump Operation System            | Gas Line                              | mm(in.)                                    | $\phi$ 31.75(1-1/4)                | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 |
|                                       | Liquid Line                           | mm(in.)                                    | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  |
| Connectable Indoor Units              | Quantity                              | pcs  | 55                                 | 59                                 | 64                                 | 64                                 |
|                                       | Total Capacity                        | -  | 200%*1                             | 200%*1                             | 200%*1                             | 200%*1                             |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)                                   | 50(90*)                            | 50(90*)                            | 50(90*)                            | 50(90*)                            |
|                                       |                                       | m(below)                                   | 40(90*)                            | 40(90*)                            | 40(90*)                            | 40(90*)                            |
|                                       | Height Difference Between IDUs        | m  | 15(30*)                            | 15(30*)                            | 15(30*)                            | 15(30*)                            |
|                                       | Max. Piping Length                    | m  | 165                                | 165                                | 165                                | 165                                |
| Operation Range                       | Cooling                               | DB   | -10 $^{\circ}$ C-52 $^{\circ}$ C   |
|                                       | Heating                               | WB   | -25 $^{\circ}$ C-16.5 $^{\circ}$ C |

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ 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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

\*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (Standard)



| HP                                    |                                       | 42HP                                       | 44HP                               | 46HP                               | 48HP                               |                                    |
|---------------------------------------|---------------------------------------|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Model                                 | Model                                 | AVWT-402FKFSB                              | AVWT-422FKFSB                      | AVWT-444FKFSB                      | AVWT-464FKFSB                      |                                    |
|                                       | Modules                               | AVWT-232FKFSB<br>AVWT-170FKFSB             | AVWT-232FKFSB<br>AVWT-190FKFSB     | AVWT-232FKFSB<br>AVWT-212FKFSB     | AVWT-232FKFSB<br>AVWT-232FKFSB     |                                    |
| Power Supply                          |                                       | AC 3 $\phi$ , 380-415V/50/60Hz             |                                    |                                    |                                    |                                    |
| Cooling                               | Capacity                              | 118.0                                      | 124.0                              | 129.5                              | 136.0                              |                                    |
|                                       | Capacity                              | kBtu/h                                     | 402.6                              | 423.1                              | 441.9                              | 464.0                              |
|                                       | Power Input                           | kW   | 50.23                              | 53.25                              | 56.56                              | 59.64                              |
|                                       | EER                                   | kW/kW                                      | 2.35                               | 2.33                               | 2.29                               | 2.28                               |
| Heating                               | Capacity (Max/Nom)                    | kW   | 131.0/118.0                        | 138.0/124.0                        | 144.0/129.5                        | 150.0/136.0                        |
|                                       | Capacity (Max/Nom)                    | kBtu/h                                     | 447.0/402.6                        | 470.9/423.1                        | 491.3/441.9                        | 511.8/464.0                        |
|                                       | Power Input (Max/Nom)                 | kW   | 42.57/35.63                        | 44.33/37.10                        | 47.39/39.67                        | 50.27/41.84                        |
| COP (Max/Nom)                         | kW/kW                                 | 3.08/3.31                                  | 3.11/3.34                          | 3.04/3.26                          | 2.98/3.25                          |                                    |
|                                       | Air Flow Rate                         | m <sup>3</sup> /min                        | 550                                | 617                                | 700                                | 700                                |
| Ventilation                           | Fan Quantity                          | 4  | 4                                  | 4                                  | 4                                  |                                    |
|                                       | Static Pressure                       | Pa   | 110                                | 110                                | 110                                | 110                                |
| Sound Pressure Level (Normal/ Silent) | dB(A)                                 | 68/57                                      | 68/57                              | 70/57                              | 70/57                              |                                    |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |                                    |                                    |                                    |                                    |
|                                       | Compressor Quantity                   | pcs  | 4                                  | 4                                  | 4                                  | 4                                  |
| Refrigerant                           | Type                                  | R410A                                      |                                    |                                    |                                    |                                    |
|                                       | Pre-charged Quantity                  | kg   | 20.70                              | 21.30                              | 23.00                              | 23.00                              |
| Weight                                | Net Weight                            | kg   | 750                                | 770                                | 801                                | 802                                |
|                                       | Gross Weight                          | kg   | 820                                | 843                                | 877                                | 878                                |
| Dimensions                            | External(HxWxD)                       | mm   | 1730x<br>(1210+1600)<br>x750       | 1730x<br>(1350+1600)<br>x750       | 1730x<br>(1600+1600)<br>x750       | 1730x<br>(1600+1600)<br>x750       |
|                                       |                                       | Packing(HxWxD)                             | mm                                 | 1950x<br>(1275+1665)<br>x790       | 1950x<br>(1420+1665)<br>x790       | 1950x<br>(1665+1665)<br>x790       |
|                                       | Cabinet Color                         | mm   | 1950x<br>(1275+1665)<br>x790       | 1950x<br>(1420+1665)<br>x790       | 1950x<br>(1665+1665)<br>x790       | 1950x<br>(1665+1665)<br>x790       |
|                                       |                                       | mm   | 1950x<br>(1275+1665)<br>x790       | 1950x<br>(1420+1665)<br>x790       | 1950x<br>(1665+1665)<br>x790       | 1950x<br>(1665+1665)<br>x790       |
| Heat Recovery Operation System        | Low Pressure Gas Line                 | mm(in.)                                    | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 |
|                                       | High/Low Pressure Gas Line            | mm(in.)                                    | $\phi$ 31.75(1-1/4)                | $\phi$ 31.75(1-1/4)                | $\phi$ 31.75(1-1/4)                | $\phi$ 31.75(1-1/4)                |
|                                       | Liquid Line                           | mm(in.)                                    | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  |
| Heat Pump Operation System            | Gas Line                              | mm(in.)                                    | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 |
|                                       | Liquid Line                           | mm(in.)                                    | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  |
| Connectable Indoor Units              | Quantity                              | pcs  | 64                                 | 64                                 | 64                                 | 64                                 |
|                                       | Total Capacity                        | -  | 200%*1                             | 200%*1                             | 200%*1                             | 200%*1                             |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)                                   | 50(90*)                            | 50(90*)                            | 50(90*)                            | 50(90*)                            |
|                                       |                                       | m(below)                                   | 40(90*)                            | 40(90*)                            | 40(90*)                            | 40(90*)                            |
|                                       | Height Difference Between IDUs        | m  | 15(30*)                            | 15(30*)                            | 15(30*)                            | 15(30*)                            |
|                                       | Max. Piping Length                    | m  | 165                                | 165                                | 165                                | 165                                |
| Operation Range                       | Cooling                               | DB   | -10 $^{\circ}$ C-52 $^{\circ}$ C   |
|                                       | Heating                               | WB   | -25 $^{\circ}$ C-16.5 $^{\circ}$ C |

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ 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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

\*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (Standard)



| HP                             |                                       | 50HP                                       | 52HP                              | 54HP                              | 56HP                              |                                   |
|--------------------------------|---------------------------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Model                          | Model                                 | AVWT-478FKFSB                              | AVWT-494FKFSB                     | AVWT-510FKFSB                     | AVWT-530FKFSB                     |                                   |
|                                | Modules                               | AVWT-170FKFSB                              | AVWT-170FKFSB                     | AVWT-170FKFSB                     | AVWT-190FKFSB                     |                                   |
|                                |                                       | AVWT-154FKFSB                              | AVWT-170FKFSB                     | AVWT-170FKFSB                     | AVWT-170FKFSB                     |                                   |
| Power Supply                   |                                       | AC 3Φ, 380-415V/50/60Hz                    |                                   |                                   |                                   |                                   |
| Cooling                        | Capacity                              | 140.0                                      | 145.0                             | 150.0                             | 156.0                             |                                   |
|                                | Capacity                              | kW   |                                   |                                   |                                   |                                   |
|                                | kBtu/h                                | 477.7                                      | 494.7                             | 511.8                             | 532.3                             |                                   |
|                                | Power Input                           | kW   | 53.13                             | 57.18                             | 61.23                             | 64.25                             |
| Heating                        | EER                                   | kW/kW                                      | 2.64                              | 2.54                              | 2.45                              | 2.43                              |
|                                | Capacity (Max/Nom)                    | kW   | 156.0/140.0                       | 162.0/145.0                       | 168.0/150.0                       | 175.0/156.0                       |
|                                | kBtu/h                                | 532.3/477.7                                | 552.7/494.7                       | 573.2/511.8                       | 597.1/532.3                       |                                   |
|                                | Power Input (Max/Nom)                 | kW   | 48.82/40.65                       | 50.56/42.39                       | 52.29/44.14                       | 54.06/45.60                       |
| Ventilation                    | COP (Max/Nom)                         | kW/kW                                      | 3.20/3.44                         | 3.20/3.42                         | 3.21/3.40                         | 3.24/3.42                         |
|                                | Air Flow Rate                         | m³/min                                     | 600                               | 600                               | 600                               | 667                               |
|                                | Fan Quantity                          |  | 6                                 | 6                                 | 6                                 | 6                                 |
| Sound Pressure Level           | Static Pressure                       | Pa   | 110                               | 110                               | 110                               | 110                               |
|                                | (Normal/ Silent)                      | dB(A)                                      | 67/58                             | 67/58                             | 67/59                             | 67/59                             |
| Compressor                     | Type                                  | Enhanced Vapor Injection Scroll Compressor |                                   |                                   |                                   |                                   |
|                                | Compressor Quantity                   | pcs  | 4                                 | 5                                 | 6                                 | 6                                 |
| Refrigerant                    | Type                                  | R410A                                      |                                   |                                   |                                   |                                   |
|                                | Pre-charged Quantity                  | kg   | 26.80                             | 27.20                             | 27.60                             | 28.20                             |
|                                | Net Weight                            | kg   | 929                               | 988                               | 1047                              | 1067                              |
| Weight                         | Gross Weight                          | kg   | 1025                              | 1084                              | 1143                              | 1166                              |
|                                | Dimensions                            | External(HxWxD)                            | mm                                | 1730x<br>(1210+1210+1210)<br>x750 | 1730x<br>(1210+1210+1210)<br>x750 | 1730x<br>(1210+1210+1210)<br>x750 |
| Packing(HxWxD)                 |                                       | mm   | 1930x<br>(1275+1275+1275)<br>x790 | 1930x<br>(1275+1275+1275)<br>x790 | 1930x<br>(1275+1275+1275)<br>x790 | 1930x<br>(1275+1275+1420)<br>x790 |
|                                |                                       | Cabinet Color                              |                                   | Ivory White                       | Ivory White                       | Ivory White                       |
| Heat Recovery Operation System | Low Pressure Gas Line                 | mm(in.)                                    | Φ38.1(1-1/2)                      | Φ38.1(1-1/2)                      | Φ38.1(1-1/2)                      | Φ41.3(1-5/8)                      |
|                                | High/Low Pressure Gas Line            | mm(in.)                                    | Φ31.75(1-1/4)                     | Φ31.75(1-1/4)                     | Φ31.75(1-1/4)                     | Φ38.1(1-1/2)                      |
|                                | Liquid Line                           | mm(in.)                                    | Φ19.05(3/4)                       | Φ19.05(3/4)                       | Φ19.05(3/4)                       | Φ22.2(7/8)                        |
| Heat Pump Operation System     | Gas Line                              | mm(in.)                                    | Φ38.1(1-1/2)                      | Φ38.1(1-1/2)                      | Φ38.1(1-1/2)                      | Φ41.3(1-5/8)                      |
|                                | Liquid Line                           | mm(in.)                                    | Φ19.05(3/4)                       | Φ19.05(3/4)                       | Φ19.05(3/4)                       | Φ22.2(7/8)                        |
| Connectable Indoor Units       | Quantity                              | pcs  | 64                                | 64                                | 64                                | 64                                |
|                                | Total Capacity                        | -  | 200%*1                            | 200%*1                            | 200%*1                            | 200%*1                            |
| Piping Design                  | Height Difference Between ODU and IDU | m(above)                                   | 50(90*)                           | 50(90*)                           | 50(90*)                           | 50(90*)                           |
|                                | m(below)                              |  | 40(90*)                           | 40(90*)                           | 40(90*)                           | 40(90*)                           |
|                                | Height Difference Between IDUs        | m  | 15(30*)                           | 15(30*)                           | 15(30*)                           | 15(30*)                           |
|                                | Max. Piping Length                    | m  | 165                               | 165                               | 165                               | 165                               |
| Operation Range                | Cooling                               | DB   | -10°C-52°C                        | -10°C-52°C                        | -10°C-52°C                        | -10°C-52°C                        |
|                                | Heating                               | WB   | -25°C-16.5°C                      | -25°C-16.5°C                      | -25°C-16.5°C                      | -25°C-16.5°C                      |

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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.  
 \*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (Standard)



| HP                             |                                       | 58HP                                       | 60HP                              | 62HP                              | 64HP                              |                                   |
|--------------------------------|---------------------------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Model                          | Model                                 | AVWT-550FKFSB                              | AVWT-570FKFSB                     | AVWT-592FKFSB                     | AVWT-614FKFSB                     |                                   |
|                                | Modules                               | AVWT-190FKFSB                              | AVWT-190FKFSB                     | AVWT-212FKFSB                     | AVWT-212FKFSB                     |                                   |
|                                |                                       | AVWT-190FKFSB                              | AVWT-190FKFSB                     | AVWT-190FKFSB                     | AVWT-190FKFSB                     |                                   |
| Power Supply                   |                                       | AC 3Φ, 380-415V/50/60Hz                    |                                   |                                   |                                   |                                   |
| Cooling                        | Capacity                              | 162.0                                      | 168.0                             | 173.5                             | 179.0                             |                                   |
|                                | Capacity                              | kW   |                                   |                                   |                                   |                                   |
|                                | kBtu/h                                | 552.7                                      | 573.2                             | 592.0                             | 610.7                             |                                   |
|                                | Power Input                           | kW   | 67.27                             | 70.29                             | 73.60                             | 76.91                             |
| Heating                        | EER                                   | kW/kW                                      | 2.41                              | 2.39                              | 2.36                              | 2.33                              |
|                                | Capacity (Max/Nom)                    | kW   | 182.0/162.0                       | 189.0/168.0                       | 195.0/173.5                       | 201.0/179.0                       |
|                                | kBtu/h                                | 621.0/552.7                                | 644.9/573.2                       | 665.3/592.0                       | 685.8/610.7                       |                                   |
|                                | Power Input (Max/Nom)                 | kW   | 55.82/47.07                       | 57.58/48.54                       | 60.65/51.11                       | 63.71/53.68                       |
| Ventilation                    | COP (Max/Nom)                         | kW/kW                                      | 3.26/3.44                         | 3.28/3.46                         | 3.22/3.39                         | 3.15/3.33                         |
|                                | Air Flow Rate                         | m³/min                                     | 734                               | 801                               | 884                               | 967                               |
|                                | Fan Quantity                          |  | 6                                 | 6                                 | 6                                 | 6                                 |
| Sound Pressure Level           | Static Pressure                       | Pa   | 110                               | 110                               | 110                               | 110                               |
|                                | (Normal/ Silent)                      | dB(A)                                      | 67/59                             | 68/59                             | 70/59                             | 71/59                             |
| Compressor                     | Type                                  | Enhanced Vapor Injection Scroll Compressor |                                   |                                   |                                   |                                   |
|                                | Compressor Quantity                   | pcs  | 6                                 | 6                                 | 6                                 | 6                                 |
| Refrigerant                    | Type                                  | R410A                                      |                                   |                                   |                                   |                                   |
|                                | Pre-charged Quantity                  | kg   | 28.80                             | 29.40                             | 31.10                             | 32.80                             |
|                                | Net Weight                            | kg   | 1087                              | 1107                              | 1138                              | 1169                              |
| Weight                         | Gross Weight                          | kg   | 1189                              | 1212                              | 1246                              | 1280                              |
|                                | Dimensions                            | External(HxWxD)                            | mm                                | 1730x<br>(1210+1350+1350)<br>x750 | 1730x<br>(1350+1350+1350)<br>x750 | 1730x<br>(1350+1350+1600)<br>x750 |
| Packing(HxWxD)                 |                                       | mm   | 1930x<br>(1275+1420+1420)<br>x790 | 1930x<br>(1420+1420+1420)<br>x790 | 1930x<br>(1420+1420+1665)<br>x790 | 1930x<br>(1420+1665+1665)<br>x790 |
|                                |                                       | Cabinet Color                              |                                   | Ivory White                       | Ivory White                       | Ivory White                       |
| Heat Recovery Operation System | Low Pressure Gas Line                 | mm(in.)                                    | Φ44.5(1-3/4)                      | Φ44.5(1-3/4)                      | Φ44.5(1-3/4)                      | Φ44.5(1-3/4)                      |
|                                | High/Low Pressure Gas Line            | mm(in.)                                    | Φ41.3(1-5/8)                      | Φ41.3(1-5/8)                      | Φ41.3(1-5/8)                      | Φ41.3(1-5/8)                      |
|                                | Liquid Line                           | mm(in.)                                    | Φ22.2(7/8)                        | Φ22.2(7/8)                        | Φ22.2(7/8)                        | Φ22.2(7/8)                        |
| Heat Pump Operation System     | Gas Line                              | mm(in.)                                    | Φ44.5(1-3/4)                      | Φ44.5(1-3/4)                      | Φ44.5(1-3/4)                      | Φ44.5(1-3/4)                      |
|                                | Liquid Line                           | mm(in.)                                    | Φ22.2(7/8)                        | Φ22.2(7/8)                        | Φ22.2(7/8)                        | Φ22.2(7/8)                        |
| Connectable Indoor Units       | Quantity                              | pcs  | 64                                | 64                                | 64                                | 64                                |
|                                | Total Capacity                        | -  | 200%*1                            | 200%*1                            | 200%*1                            | 200%*1                            |
| Piping Design                  | Height Difference Between ODU and IDU | m(above)                                   | 50(90*)                           | 50(90*)                           | 50(90*)                           | 50(90*)                           |
|                                | m(below)                              |  | 40(90*)                           | 40(90*)                           | 40(90*)                           | 40(90*)                           |
|                                | Height Difference Between IDUs        | m  | 15(30*)                           | 15(30*)                           | 15(30*)                           | 15(30*)                           |
|                                | Max. Piping Length                    | m  | 165                               | 165                               | 165                               | 165                               |
| Operation Range                | Cooling                               | DB   | -10°C-52°C                        | -10°C-52°C                        | -10°C-52°C                        | -10°C-52°C                        |
|                                | Heating                               | WB   | -25°C-16.5°C                      | -25°C-16.5°C                      | -25°C-16.5°C                      | -25°C-16.5°C                      |

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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.  
 \*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (Standard)



| HP                                    |                                       | 66HP                                       | 68HP                              | 70HP                              | 72HP                              |
|---------------------------------------|---------------------------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|
| Model                                 | Model                                 | AVWT-636FKFSB                              | AVWT-656FKFSB                     | AVWT-676FKFSB                     | AVWT-696FKFSB                     |
|                                       | Modules                               | AVWT-212FKFSB                              | AVWT-232FKFSB                     | AVWT-232FKFSB                     | AVWT-232FKFSB                     |
|                                       |                                       | AVWT-212FKFSB                              | AVWT-212FKFSB                     | AVWT-232FKFSB                     | AVWT-232FKFSB                     |
| Power Supply                          |                                       | AC 3Φ, 380-415V/50/60Hz                    |                                   |                                   |                                   |
| Cooling                               | Capacity                              | 184.5                                      | 191.0                             | 197.5                             | 204.0                             |
|                                       | kW                                    |  |                                   |                                   |                                   |
|                                       | kBtu/h                                | 629.5                                      | 651.7                             | 673.9                             | 696.0                             |
|                                       | Power Input                           | 80.22                                      | 83.30                             | 86.38                             | 89.46                             |
| EER                                   | 2.30                                  | 2.29                                       | 2.29                              | 2.28                              |                                   |
| Heating                               | Capacity (Max/Nom)                    | 207.0/184.5                                | 213.0/191.0                       | 219.0/197.5                       | 225.0/204.0                       |
|                                       | kW                                    |  |                                   |                                   |                                   |
|                                       | kBtu/h                                | 706.3/629.5                                | 726.8/651.7                       | 747.2/673.9                       | 767.7/696.0                       |
| Power Input (Max/Nom)                 | 66.77/56.25                           | 69.65/58.42                                | 72.53/60.59                       | 75.41/62.76                       |                                   |
| COP (Max/Nom)                         | 3.10/3.28                             | 3.06/3.27                                  | 3.02/3.26                         | 2.98/3.25                         |                                   |
| Ventilation                           | Air Flow Rate                         | 1050                                       | 1050                              | 1050                              | 1050                              |
|                                       | m³/min                                |  |                                   |                                   |                                   |
|                                       | Fan Quantity                          | 6  | 6                                 | 6                                 | 6                                 |
| Static Pressure                       | 110                                   | 110  | 110                               | 110                               |                                   |
| Pa                                    |                                       |  |                                   |                                   |                                   |
| Sound Pressure Level (Normal/ Silent) | dB(A)                                 | 72/59                                      | 72/59                             | 72/59                             | 72/59                             |
|                                       |                                       |  |                                   |                                   |                                   |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |                                   |                                   |                                   |
|                                       | Compressor Quantity                   | 6  | 6                                 | 6                                 | 6                                 |
| Refrigerant                           | Type                                  | R410A                                      |                                   |                                   |                                   |
|                                       | Pre-charged Quantity                  | 34.50                                      | 34.50                             | 34.50                             | 34.50                             |
|                                       | kg                                    |  |                                   |                                   |                                   |
| Weight                                | Net Weight                            | 1200                                       | 1201                              | 1202                              | 1203                              |
|                                       | Gross Weight                          | 1314                                       | 1315                              | 1316                              | 1317                              |
| Dimensions                            | External(HxWxD)                       | 1730x<br>(1600+1600+1600)<br>x750          | 1730x<br>(1600+1600+1600)<br>x750 | 1730x<br>(1600+1600+1600)<br>x750 | 1730x<br>(1600+1600+1600)<br>x750 |
|                                       | Packing(HxWxD)                        | 1930x<br>(1665+1665+1665)<br>x790          | 1930x<br>(1665+1665+1665)<br>x790 | 1930x<br>(1665+1665+1665)<br>x790 | 1930x<br>(1665+1665+1665)<br>x790 |
|                                       | mm                                    |  |                                   |                                   |                                   |
| Cabinet Color                         | Low Pressure Gas Line                 | mm(in.)                                    | Φ44.5(1-3/4)                      | Φ50.8(2)                          | Φ50.8(2)                          |
|                                       | High/Low Pressure Gas Line            | mm(in.)                                    | Φ41.3(1-5/8)                      | Φ44.5(1-3/4)                      | Φ44.5(1-3/4)                      |
|                                       | Liquid Line                           | mm(in.)                                    | Φ22.2(7/8)                        | Φ25.4(1)                          | Φ25.4(1)                          |
| Heat Pump Operation System            | Gas Line                              | mm(in.)                                    | Φ44.5(1-3/4)                      | Φ50.8(2)                          | Φ50.8(2)                          |
|                                       | Liquid Line                           | mm(in.)                                    | Φ22.2(7/8)                        | Φ25.4(1)                          | Φ25.4(1)                          |
| Connectable Indoor Units              | Quantity                              | 64   | 64                                | 64                                | 64                                |
|                                       | Total Capacity                        | 200%*1                                     | 200%*1                            | 200%*1                            | 200%*1                            |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)                                   | 50(90*)                           | 50(90*)                           | 50(90*)                           |
|                                       | m(below)                              | 40(90*)                                    | 40(90*)                           | 40(90*)                           | 40(90*)                           |
|                                       | Height Difference Between IDUs        | m  | 15(30*)                           | 15(30*)                           | 15(30*)                           |
|                                       | Max. Piping Length                    | m  | 165                               | 165                               | 165                               |
| Operation Range                       | Cooling                               | DB   | -10°C~52°C                        | -10°C~52°C                        | -10°C~52°C                        |
|                                       | Heating                               | WB   | -25°C~16.5°C                      | -25°C~16.5°C                      | -25°C~16.5°C                      |

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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.  
 \*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (Standard)



| HP                                    |                                       | 74HP                                       | 76HP                                   | 78HP                                   | 80HP                                   |
|---------------------------------------|---------------------------------------|--|--|--|--|
| Model                                 | Model                                 | AVWT-700FKFSB                              | AVWT-720FKFSB                          | AVWT-740FKFSB                          | AVWT-760FKFSB                          |
|                                       | Modules                               | AVWT-190FKFSB                              | AVWT-190FKFSB                          | AVWT-190FKFSB                          | AVWT-190FKFSB                          |
|                                       |                                       | AVWT-170FKFSB                              | AVWT-170FKFSB                          | AVWT-190FKFSB                          | AVWT-190FKFSB                          |
| Power Supply                          |                                       | AC 3Φ, 380-415V/50/60Hz                    |  |  |  |
| Cooling                               | Capacity                              | 206.0                                      | 212.0                                  | 218.0                                  | 224.0                                  |
|                                       | kW                                    |  |  |  |  |
|                                       | kBtu/h                                | 702.9                                      | 723.3                                  | 743.8                                  | 764.3                                  |
|                                       | Power Input                           | 84.66                                      | 87.68                                  | 90.70                                  | 93.72                                  |
| EER                                   | 2.43                                  | 2.42                                       | 2.40                                   | 2.39                                   |  |
| Heating                               | Capacity (Max/Nom)                    | 231.0/206.0                                | 238.0/212.0                            | 245.0/218.0                            | 252.0/224.0                            |
|                                       | kW                                    |  |  |  |  |
|                                       | kBtu/h                                | 788.2/702.9                                | 812.1/723.3                            | 835.9/743.8                            | 859.8/764.3                            |
| Power Input (Max/Nom)                 | 71.49/60.32                           | 73.25/61.78                                | 75.01/63.25                            | 76.78/64.72                            |  |
| COP (Max/Nom)                         | 3.23/3.42                             | 3.25/3.43                                  | 3.27/3.45                              | 3.28/3.46                              |  |
| Ventilation                           | Air Flow Rate                         | 867  | 934                                    | 1001                                   | 1068                                   |
|                                       | m³/min                                |  |  |  |  |
|                                       | Fan Quantity                          | 8  | 8                                      | 8                                      | 8                                      |
| Static Pressure                       | 110                                   | 110  | 110                                    | 110                                    |  |
| Pa                                    |                                       |  |  |  |  |
| Sound Pressure Level (Normal/ Silent) | dB(A)                                 | 68/60                                      | 69/60                                  | 69/60                                  | 69/60                                  |
|                                       |                                       |  |  |  |  |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |  |  |  |
|                                       | Compressor Quantity                   | 8  | 8                                      | 8                                      | 8                                      |
| Refrigerant                           | Type                                  | R410A                                      |  |  |  |
|                                       | Pre-charged Quantity                  | 37.40                                      | 38.00                                  | 38.60                                  | 39.20                                  |
|                                       | kg                                    |  |  |  |  |
| Weight                                | Net Weight                            | 1416                                       | 1436                                   | 1456                                   | 1476                                   |
|                                       | Gross Weight                          | 1547                                       | 1570                                   | 1593                                   | 1616                                   |
| Dimensions                            | External(HxWxD)                       | 1730x<br>(1210+1210+1210+1350)<br>x750     | 1730x<br>(1210+1210+1350+1350)<br>x750 | 1730x<br>(1210+1350+1350+1350)<br>x750 | 1730x<br>(1350+1350+1350+1350)<br>x750 |
|                                       | Packing(HxWxD)                        | 1930x<br>(1275+1275+1275+1420)<br>x790     | 1930x<br>(1275+1275+1420+1420)<br>x790 | 1930x<br>(1275+1420+1420+1420)<br>x790 | 1930x<br>(1420+1420+1420+1420)<br>x790 |
|                                       | mm                                    |  |  |  |  |
| Cabinet Color                         | Low Pressure Gas Line                 | mm(in.)                                    | Φ50.8(2)                               | Φ50.8(2)                               | Φ50.8(2)                               |
|                                       | High/Low Pressure Gas Line            | mm(in.)                                    | Φ44.5(1-3/4)                           | Φ44.5(1-3/4)                           | Φ44.5(1-3/4)                           |
|                                       | Liquid Line                           | mm(in.)                                    | Φ25.4(1)                               | Φ25.4(1)                               | Φ25.4(1)                               |
| Heat Pump Operation System            | Gas Line                              | mm(in.)                                    | Φ50.8(2)                               | Φ50.8(2)                               | Φ50.8(2)                               |
|                                       | Liquid Line                           | mm(in.)                                    | Φ25.4(1)                               | Φ25.4(1)                               | Φ25.4(1)                               |
| Connectable Indoor Units              | Quantity                              | 64   | 64                                     | 64                                     | 64                                     |
|                                       | Total Capacity                        | 200%*1                                     | 200%*1                                 | 200%*1                                 | 200%*1                                 |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)                                   | 50(90*)                                | 50(90*)                                | 50(90*)                                |
|                                       | m(below)                              | 40(90*)                                    | 40(90*)                                | 40(90*)                                | 40(90*)                                |
|                                       | Height Difference Between IDUs        | m  | 15(30*)                                | 15(30*)                                | 15(30*)                                |
|                                       | Max. Piping Length                    | m  | 165                                    | 165                                    | 165                                    |
| Operation Range                       | Cooling                               | DB   | -10°C~52°C                             | -10°C~52°C                             | -10°C~52°C                             |
|                                       | Heating                               | WB   | -25°C~16.5°C                           | -25°C~16.5°C                           | -25°C~16.5°C                           |

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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.  
 \*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (Standard)



| HP                                    |                                       | 82HP                                       | 84HP                                   | 86HP                                   | 88HP                                   |  |
|---------------------------------------|---------------------------------------|--|--|--|--|--|
| Model                                 | Model                                 | AVWT-782FKFSB                              | AVWT-804FKFSB                          | AVWT-826FKFSB                          | AVWT-848FKFSB                          |  |
|                                       | Modules                               | AVWT-212FKFSB                              | AVWT-212FKFSB                          | AVWT-212FKFSB                          | AVWT-212FKFSB                          |  |
|                                       |                                       | AVWT-190FKFSB                              | AVWT-212FKFSB                          | AVWT-212FKFSB                          | AVWT-212FKFSB                          |  |
|                                       |                                       | AVWT-190FKFSB                              | AVWT-190FKFSB                          | AVWT-212FKFSB                          | AVWT-212FKFSB                          |  |
| Power Supply                          |                                       | AC 3 $\phi$ , 380-415V/50/60Hz             |  |  |  |  |
| Cooling                               | Capacity                              | 229.5                                      | 235.0                                  | 240.5                                  | 246.0                                  |  |
|                                       | kW                                    |  |  |  |  |  |
|                                       | kBtu/h                                | 783.1                                      | 801.8                                  | 820.6                                  | 839.4                                  |  |
|                                       | Power Input                           | 97.03                                      | 100.34                                 | 103.65                                 | 106.96                                 |  |
| EER                                   | 2.37                                  | 2.34                                       | 2.32                                   | 2.30                                   |  |  |
| Heating                               | Capacity (Max/Nom)                    | 258.0/229.5                                | 264.0/235.0                            | 270.0/240.5                            | 276.0/246.0                            |  |
|                                       | kBtu/h                                | 880.3/783.1                                | 900.8/801.8                            | 921.2/820.6                            | 941.7/839.4                            |  |
|                                       | Power Input (Max/Nom)                 | 79.84/67.29                                | 82.90/69.86                            | 85.97/72.43                            | 89.03/75.00                            |  |
|                                       | kW                                    |  |  |  |  |  |
| COP (Max/Nom)                         | 3.23/3.41                             | 3.18/3.36                                  | 3.14/3.32                              | 3.10/3.28                              |  |  |
| Ventilation                           | Air Flow Rate                         | 1151                                       | 1234                                   | 1317                                   | 1400                                   |  |
|                                       | m <sup>3</sup> /min                   |  |  |  |  |  |
|                                       | Fan Quantity                          | 8  | 8                                      | 8                                      | 8                                      |  |
| Static Pressure                       | Pa                                    | 110  | 110                                    | 110                                    | 110                                    |  |
| Sound Pressure Level (Normal/ Silent) | dB(A)                                 | 70/60                                      | 71/60                                  | 72/60                                  | 73/60                                  |  |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |  |  |  |  |
|                                       | Compressor Quantity                   | 8  | 8                                      | 8                                      | 8                                      |  |
| Refrigerant                           | Type                                  | R410A                                      |  |  |  |  |
|                                       | Pre-charged Quantity                  | 40.90                                      | 42.60                                  | 44.30                                  | 46.00                                  |  |
| Weight                                | Net Weight                            | 1507                                       | 1538                                   | 1569                                   | 1600                                   |  |
|                                       | Gross Weight                          | 1650                                       | 1684                                   | 1718                                   | 1752                                   |  |
| Dimensions                            | External(HxWxD)                       | mm   | 1730x<br>(1350+1350+1350+1600)<br>x750 | 1730x<br>(1350+1350+1600+1600)<br>x750 | 1730x<br>(1350+1600+1600+1600)<br>x750 | 1730x<br>(1600+1600+1600+1600)<br>x750 |
|                                       |                                       | Packing(HxWxD)                             | mm                                     | 1950x<br>(1420+1420+1420+1665)<br>x790 | 1950x<br>(1420+1420+1665+1665)<br>x790 | 1950x<br>(1420+1665+1665+1665)<br>x790 |
|                                       | Cabinet Color                         | mm   | Ivory White                            | Ivory White                            | Ivory White                            | Ivory White                            |
|                                       |                                       | mm   |  |  |  |  |
| Heat Recovery Operation System        | Low Pressure Gas Line                 | mm(in.)                                    | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         |
|                                       | High/Low Pressure Gas Line            | mm(in.)                                    | $\phi$ 44.5(1-3/4)                     | $\phi$ 44.5(1-3/4)                     | $\phi$ 44.5(1-3/4)                     | $\phi$ 44.5(1-3/4)                     |
|                                       | Liquid Line                           | mm(in.)                                    | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         |
| Heat Pump Operation System            | Gas Line                              | mm(in.)                                    | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         |
|                                       | Liquid Line                           | mm(in.)                                    | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         |
| Connectable Indoor Units              | Quantity                              | pcs  | 64                                     | 64                                     | 64                                     | 64                                     |
|                                       | Total Capacity                        | -  | 200%*1                                 | 200%*1                                 | 200%*1                                 | 200%*1                                 |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)                                   | 50(90*)                                | 50(90*)                                | 50(90*)                                | 50(90*)                                |
|                                       | m(below)                              |  | 40(90*)                                | 40(90*)                                | 40(90*)                                | 40(90*)                                |
|                                       | Height Difference Between IDUs        | m  | 15(30*)                                | 15(30*)                                | 15(30*)                                | 15(30*)                                |
|                                       | Max. Piping Length                    | m  | 165                                    | 165                                    | 165                                    | 165                                    |
| Operation Range                       | Cooling                               | DB   | -10 $^{\circ}$ C-52 $^{\circ}$ C       |
|                                       | Heating                               | WB   | -25 $^{\circ}$ C-16.5 $^{\circ}$ C     |

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ 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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

\*1\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (Standard)



| HP                                    |                                       | 90HP                                       | 92HP                                   | 94HP                                   | 96HP                                   |  |
|---------------------------------------|---------------------------------------|--|--|--|--|--|
| Model                                 | Model                                 | AVWT-868FKFSB                              | AVWT-888FKFSB                          | AVWT-908FKFSB                          | AVWT-928FKFSB                          |  |
|                                       | Modules                               | AVWT-232FKFSB                              | AVWT-232FKFSB                          | AVWT-232FKFSB                          | AVWT-232FKFSB                          |  |
|                                       |                                       | AVWT-212FKFSB                              | AVWT-232FKFSB                          | AVWT-232FKFSB                          | AVWT-232FKFSB                          |  |
|                                       |                                       | AVWT-212FKFSB                              | AVWT-212FKFSB                          | AVWT-232FKFSB                          | AVWT-232FKFSB                          |  |
| Power Supply                          |                                       | AC 3 $\phi$ , 380-415V/50/60Hz             |  |  |  |  |
| Cooling                               | Capacity                              | 252.5                                      | 259.0                                  | 265.5                                  | 272.0                                  |  |
|                                       | kW                                    |  |  |  |  |  |
|                                       | kBtu/h                                | 861.5                                      | 883.7                                  | 905.9                                  | 928.1                                  |  |
|                                       | Power Input                           | 110.04                                     | 113.12                                 | 116.20                                 | 119.28                                 |  |
| EER                                   | 2.29                                  | 2.29                                       | 2.28                                   | 2.28                                   |  |  |
| Heating                               | Capacity (Max/Nom)                    | 282.0/252.5                                | 288.0/259.0                            | 294.0/265.5                            | 300.0/272.0                            |  |
|                                       | kBtu/h                                | 962.2/861.5                                | 982.7/883.7                            | 1003.1/905.9                           | 1023.6/928.1                           |  |
|                                       | Power Input (Max/Nom)                 | 91.91/77.17                                | 94.79/79.34                            | 97.66/81.51                            | 100.54/83.68                           |  |
|                                       | kW                                    |  |  |  |  |  |
| COP (Max/Nom)                         | 3.07/3.27                             | 3.04/3.26                                  | 3.01/3.26                              | 2.98/3.25                              |  |  |
| Ventilation                           | Air Flow Rate                         | 1400                                       | 1400                                   | 1400                                   | 1400                                   |  |
|                                       | m <sup>3</sup> /min                   |  |  |  |  |  |
|                                       | Fan Quantity                          | 8  | 8                                      | 8                                      | 8                                      |  |
| Static Pressure                       | Pa                                    | 110  | 110                                    | 110                                    | 110                                    |  |
| Sound Pressure Level (Normal/ Silent) | dB(A)                                 | 73/60                                      | 73/60                                  | 73/60                                  | 73/60                                  |  |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |  |  |  |  |
|                                       | Compressor Quantity                   | 8  | 8                                      | 8                                      | 8                                      |  |
| Refrigerant                           | Type                                  | R410A                                      |  |  |  |  |
|                                       | Pre-charged Quantity                  | 46.00                                      | 46.00                                  | 46.00                                  | 46.00                                  |  |
| Weight                                | Net Weight                            | 1601                                       | 1602                                   | 1603                                   | 1604                                   |  |
|                                       | Gross Weight                          | 1753                                       | 1754                                   | 1755                                   | 1756                                   |  |
| Dimensions                            | External(HxWxD)                       | mm   | 1730x<br>(1600+1600+1600+1600)<br>x750 | 1730x<br>(1600+1600+1600+1600)<br>x750 | 1730x<br>(1600+1600+1600+1600)<br>x750 | 1730x<br>(1600+1600+1600+1600)<br>x750 |
|                                       |                                       | Packing(HxWxD)                             | mm                                     | 1950x<br>(1665+1665+1665+1665)<br>x790 | 1950x<br>(1665+1665+1665+1665)<br>x790 | 1950x<br>(1665+1665+1665+1665)<br>x790 |
|                                       | Cabinet Color                         | mm   | Ivory White                            | Ivory White                            | Ivory White                            | Ivory White                            |
|                                       |                                       | mm   |  |  |  |  |
| Heat Recovery Operation System        | Low Pressure Gas Line                 | mm(in.)                                    | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         |
|                                       | High/Low Pressure Gas Line            | mm(in.)                                    | $\phi$ 44.5(1-3/4)                     | $\phi$ 44.5(1-3/4)                     | $\phi$ 44.5(1-3/4)                     | $\phi$ 44.5(1-3/4)                     |
|                                       | Liquid Line                           | mm(in.)                                    | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         |
| Heat Pump Operation System            | Gas Line                              | mm(in.)                                    | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         | $\phi$ 50.8(2)                         |
|                                       | Liquid Line                           | mm(in.)                                    | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         | $\phi$ 25.4(1)                         |
| Connectable Indoor Units              | Quantity                              | pcs  | 64                                     | 64                                     | 64                                     | 64                                     |
|                                       | Total Capacity                        | -  | 200%*1                                 | 200%*1                                 | 200%*1                                 | 200%*1                                 |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)                                   | 50(90*)                                | 50(90*)                                | 50(90*)                                | 50(90*)                                |
|                                       | m(below)                              |  | 40(90*)                                | 40(90*)                                | 40(90*)                                | 40(90*)                                |
|                                       | Height Difference Between IDUs        | m  | 15(30*)                                | 15(30*)                                | 15(30*)                                | 15(30*)                                |
|                                       | Max. Piping Length                    | m  | 165                                    | 165                                    | 165                                    | 165                                    |
| Operation Range                       | Cooling                               | DB   | -10 $^{\circ}$ C-52 $^{\circ}$ C       |
|                                       | Heating                               | WB   | -25 $^{\circ}$ C-16.5 $^{\circ}$ C     |

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ 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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

\*1\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (High Efficiency)



|                                       |                                       | HP                  | 8HP  | 10HP                               | 12HP                               | 14HP                               |
|---------------------------------------|---------------------------------------|---------------------|--|------------------------------------|------------------------------------|------------------------------------|
| Model                                 |                                       | Model               | AVWT-76FKFSHA                              | AVWT-96FKFSHA                      | AVWT-114FKFSHA                     | AVWT-136FKFSHA                     |
| Model                                 |                                       | Modules             | —  | —                                  | —                                  | —                                  |
| Power Supply                          |                                       |                     | AC 3 $\phi$ , 380-415V/50/60Hz             |                                    |                                    |                                    |
| Cooling                               | Capacity                              | kW                  | 22.4                                       | 28.0                               | 33.5                               | 40.0                               |
|                                       |                                       | kBtu/h              | 76.4                                       | 95.5                               | 114.3                              | 136.5                              |
|                                       | Power Input                           | kW                  | 4.77                                       | 6.67                               | 7.25                               | 8.70                               |
|                                       | EER                                   | kW/kW               | 4.70                                       | 4.20                               | 4.62                               | 4.60                               |
|                                       | SEER                                  | kW/kW               | 8.67                                       | 7.87                               | 8.56                               | 8.36                               |
| Heating                               | Capacity (Max/Nom)                    | kW                  | 25.0/22.4                                  | 31.5/28.0                          | 37.5/33.5                          | 45.0/40.0                          |
|                                       |                                       | kBtu/h              | 85.3/76.4                                  | 107.5/95.5                         | 128.0/114.3                        | 153.5/136.5                        |
|                                       | Power Input (Max/Nom)                 | kW                  | 4.88/4.06                                  | 6.29/5.18                          | 7.50/6.20                          | 10.47/8.70                         |
|                                       | COP (Max/Nom)                         | kW/kW               | 5.12/5.52                                  | 5.01/5.41                          | 5.00/5.40                          | 4.30/4.60                          |
|                                       | SCOP                                  | kW/kW               | 4.11                                       | 4.21                               | 4.24                               | 3.88                               |
| Ventilation                           | Air Flow Rate                         | m <sup>3</sup> /min | 183  | 183                                | 200                                | 200                                |
|                                       | Fan Quantity                          |                     | 1  | 1                                  | 2                                  | 2                                  |
| Sound Pressure Level (Normal/ Silent) | Static Pressure                       | Pa                  | 110  | 110                                | 110                                | 110                                |
|                                       |                                       | dB(A)               | 59/49                                      | 60/49                              | 62/51                              | 62/53                              |
| Compressor                            | Type                                  | —                   | Enhanced Vapor Injection Scroll Compressor |                                    |                                    |                                    |
|                                       | Compressor Quantity                   | pcs                 | 1  | 1                                  | 1                                  | 2                                  |
| Refrigerant                           | Type                                  | —                   | R410A                                      |                                    |                                    |                                    |
|                                       | Pre-charged Quantity                  | kg                  | 6.00                                       | 6.00                               | 8.80                               | 9.20                               |
| Weight                                | Net Weight                            | kg                  | 246  | 247                                | 290                                | 353                                |
|                                       | Gross Weight                          | kg                  | 276  | 277                                | 322                                | 385                                |
| Dimensions                            | External(HxWxD)                       | mm                  | 1730x950x750                               | 1730x950x750                       | 1730x1210x750                      | 1730x1210x750                      |
|                                       | Packing(HxWxD)                        | mm                  | 1950x1015x790                              | 1950x1015x790                      | 1950x1275x790                      | 1950x1275x790                      |
| Cabinet Color                         |                                       |                     | Ivory White                                | Ivory White                        | Ivory White                        | Ivory White                        |
|                                       | Low Pressure Gas Line                 | mm(in.)             | $\phi$ 19.05(3/4)                          | $\phi$ 22.20(7/8)                  | $\phi$ 25.40(1)                    | $\phi$ 25.40(1)                    |
|                                       | High/Low Pressure Gas Line            | mm(in.)             | $\phi$ 15.88(5/8)                          | $\phi$ 19.05(3/4)                  | $\phi$ 22.2(7/8)                   | $\phi$ 22.2(7/8)                   |
| Heat Recovery Operation System        | Liquid Line                           | mm(in.)             | $\phi$ 9.53(3/8)                           | $\phi$ 9.53(3/8)                   | $\phi$ 12.70(1/2)                  | $\phi$ 12.70(1/2)                  |
|                                       | Gas Line                              | mm(in.)             | $\phi$ 19.05(3/4)                          | $\phi$ 22.20(7/8)                  | $\phi$ 25.40(1)                    | $\phi$ 25.40(1)                    |
|                                       | Liquid Line                           | mm(in.)             | $\phi$ 9.53(3/8)                           | $\phi$ 9.53(3/8)                   | $\phi$ 12.70(1/2)                  | $\phi$ 12.70(1/2)                  |
| Heat Pump Operation System            | Gas Line                              | mm(in.)             | $\phi$ 19.05(3/4)                          | $\phi$ 22.20(7/8)                  | $\phi$ 25.40(1)                    | $\phi$ 25.40(1)                    |
|                                       | Liquid Line                           | mm(in.)             | $\phi$ 9.53(3/8)                           | $\phi$ 9.53(3/8)                   | $\phi$ 12.70(1/2)                  | $\phi$ 12.70(1/2)                  |
|                                       | Quantity                              | pcs                 | 13   | 16                                 | 19                                 | 23                                 |
| Connectable Indoor Units              | Total Capacity                        | —                   | 200%*1                                     | 200%*1                             | 200%*1                             | 200%*1                             |
|                                       | Height Difference Between ODU and IDU | m(above)            | 50(90*2)                                   | 50(90*2)                           | 50(90*2)                           | 50(90*2)                           |
|                                       |                                       | m(below)            | 40(90*2)                                   | 40(90*2)                           | 40(90*2)                           | 40(90*2)                           |
| Piping Design                         | Height Difference Between IDUs        | m                   | 15(30*2)                                   | 15(30*2)                           | 15(30*2)                           | 15(30*2)                           |
|                                       | Max. Piping Length                    | m                   | 165  | 165                                | 165                                | 165                                |
|                                       | Cooling                               | DB                  | -10 $^{\circ}$ C-52 $^{\circ}$ C           | -10 $^{\circ}$ C-52 $^{\circ}$ C   | -10 $^{\circ}$ C-52 $^{\circ}$ C   | -10 $^{\circ}$ C-52 $^{\circ}$ C   |
| Operation Range                       | Heating                               | WB                  | -25 $^{\circ}$ C-16.5 $^{\circ}$ C         | -25 $^{\circ}$ C-16.5 $^{\circ}$ C | -25 $^{\circ}$ C-16.5 $^{\circ}$ C | -25 $^{\circ}$ C-16.5 $^{\circ}$ C |

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ 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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

\*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (High Efficiency)



|                                       |                                       | HP                  | 16HP                                       | 18HP                               | 20HP                               | 22HP                               |
|---------------------------------------|---------------------------------------|---------------------|--|------------------------------------|------------------------------------|------------------------------------|
| Model                                 |                                       | Model               | AVWT-154FKFSHA                             | AVWT-170FKFSHA                     | AVWT-190FKFSHA                     | AVWT-212FKFSHA                     |
| Model                                 |                                       | Modules             | —  | —                                  | —                                  | —                                  |
| Power Supply                          |                                       |                     | AC 3 $\phi$ , 380-415V/50/60Hz             |                                    |                                    |                                    |
| Cooling                               | Capacity                              | kW                  | 45.0                                       | 50.0                               | 56.0                               | 61.5                               |
|                                       |                                       | kBtu/h              | 153.5                                      | 170.6                              | 191.1                              | 209.8                              |
|                                       | Power Input                           | kW                  | 11.22                                      | 12.69                              | 14.36                              | 18.41                              |
|                                       | EER                                   | kW/kW               | 4.01                                       | 3.94                               | 3.90                               | 3.34                               |
|                                       | SEER                                  | kW/kW               | 7.98                                       | 8.03                               | 7.72                               | 7.53                               |
| Heating                               | Capacity (Max/Nom)                    | kW                  | 50.0/45.0                                  | 56.0/50.0                          | 63.0/56.0                          | 69.0/61.5                          |
|                                       |                                       | kBtu/h              | 170.6/153.5                                | 191.1/170.6                        | 215.0/191.1                        | 235.4/209.8                        |
|                                       | Power Input (Max/Nom)                 | kW                  | 11.88/10.23                                | 13.97/11.88                        | 15.75/13.40                        | 20.18/16.49                        |
|                                       | COP (Max/Nom)                         | kW/kW               | 4.21/4.40                                  | 4.01/4.21                          | 4.00/4.18                          | 3.42/3.73                          |
|                                       | SCOP                                  | kW/kW               | 3.85                                       | 4.10                               | 4.08                               | 4.03                               |
| Ventilation                           | Air Flow Rate                         | m <sup>3</sup> /min | 267  | 298                                | 350                                | 350                                |
|                                       | Fan Quantity                          |                     | 2  | 2                                  | 2                                  | 2                                  |
| Sound Pressure Level (Normal/ Silent) | Static Pressure                       | Pa                  | 110  | 110                                | 110                                | 110                                |
|                                       |                                       | dB(A)               | 62/54                                      | 62/55                              | 63/52                              | 64/52                              |
| Compressor                            | Type                                  | —                   | Enhanced Vapor Injection Scroll Compressor |                                    |                                    |                                    |
|                                       | Compressor Quantity                   | pcs                 | 2  | 2                                  | 2                                  | 2                                  |
| Refrigerant                           | Type                                  | —                   | R410A                                      |                                    |                                    |                                    |
|                                       | Pre-charged Quantity                  | kg                  | 9.80                                       | 10.60                              | 11.50                              | 11.50                              |
| Weight                                | Net Weight                            | kg                  | 373  | 378                                | 401                                | 402                                |
|                                       | Gross Weight                          | kg                  | 408  | 413                                | 439                                | 440                                |
| Dimensions                            | External(HxWxD)                       | mm                  | 1730x1350x750                              | 1730x1350x750                      | 1730 x 1600 x 750                  | 1730 x 1600 x 750                  |
|                                       | Packing(HxWxD)                        | mm                  | 1950x1420x790                              | 1950x1420x790                      | 1950 x 1665 x 790                  | 1950 x 1665 x 790                  |
| Cabinet Color                         |                                       |                     | Ivory White                                | Ivory White                        | Ivory White                        | Ivory White                        |
|                                       | Low Pressure Gas Line                 | mm(in.)             | $\phi$ 28.60(1-1/8)                        | $\phi$ 28.60(1-1/8)                | $\phi$ 28.60(1-1/8)                | $\phi$ 28.60(1-1/8)                |
|                                       | High/Low Pressure Gas Line            | mm(in.)             | $\phi$ 22.2(7/8)                           | $\phi$ 22.2(7/8)                   | $\phi$ 25.4(1)                     | $\phi$ 25.4(1)                     |
| Heat Recovery Operation System        | Liquid Line                           | mm(in.)             | $\phi$ 12.70(1/2)                          | $\phi$ 15.88(5/8)                  | $\phi$ 15.88(5/8)                  | $\phi$ 15.88(5/8)                  |
|                                       | Gas Line                              | mm(in.)             | $\phi$ 28.60(1-1/8)                        | $\phi$ 28.60(1-1/8)                | $\phi$ 28.60(1-1/8)                | $\phi$ 28.60(1-1/8)                |
|                                       | Liquid Line                           | mm(in.)             | $\phi$ 12.70(1/2)                          | $\phi$ 15.88(5/8)                  | $\phi$ 15.88(5/8)                  | $\phi$ 15.88(5/8)                  |
| Heat Pump Operation System            | Gas Line                              | mm(in.)             | $\phi$ 28.60(1-1/8)                        | $\phi$ 28.60(1-1/8)                | $\phi$ 28.60(1-1/8)                | $\phi$ 28.60(1-1/8)                |
|                                       | Liquid Line                           | mm(in.)             | $\phi$ 12.70(1/2)                          | $\phi$ 15.88(5/8)                  | $\phi$ 15.88(5/8)                  | $\phi$ 15.88(5/8)                  |
|                                       | Quantity                              | pcs                 | 26   | 29                                 | 33                                 | 36                                 |
| Connectable Indoor Units              | Total Capacity                        | —                   | 200%*1                                     | 200%*1                             | 200%*1                             | 200%*1                             |
|                                       | Height Difference Between ODU and IDU | m(above)            | 50(90*2)                                   | 50(90*2)                           | 50(90*2)                           | 50(90*2)                           |
|                                       |                                       | m(below)            | 40(90*2)                                   | 40(90*2)                           | 40(90*2)                           | 40(90*2)                           |
| Piping Design                         | Height Difference Between IDUs        | m                   | 15(30*2)                                   | 15(30*2)                           | 15(30*2)                           | 15(30*2)                           |
|                                       | Max. Piping Length                    | m                   | 165  | 165                                | 165                                | 165                                |
|                                       | Cooling                               | DB                  | -10 $^{\circ}$ C-52 $^{\circ}$ C           | -10 $^{\circ}$ C-52 $^{\circ}$ C   | -10 $^{\circ}$ C-52 $^{\circ}$ C   | -10 $^{\circ}$ C-52 $^{\circ}$ C   |
| Operation Range                       | Heating                               | WB                  | -25 $^{\circ}$ C-16.5 $^{\circ}$ C         | -25 $^{\circ}$ C-16.5 $^{\circ}$ C | -25 $^{\circ}$ C-16.5 $^{\circ}$ C | -25 $^{\circ}$ C-16.5 $^{\circ}$ C |

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ 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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

\*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (High Efficiency)



| HP                                    |                                       | 24HP                                       | 26HP                             | 28HP                             | 30HP                             |
|---------------------------------------|---------------------------------------|--|----------------------------------|----------------------------------|----------------------------------|
| Model                                 |                                       | AVWT-228FKFSHA                             | AVWT-250FKFSHA                   | AVWT-272FKFSHA                   | AVWT-290FKFSHA                   |
| Model                                 | Modules                               | AVWT-114FKFSHA<br>AVWT-114FKFSHA           | AVWT-136FKFSHA<br>AVWT-114FKFSHA | AVWT-136FKFSHA<br>AVWT-136FKFSHA | AVWT-154FKFSHA<br>AVWT-136FKFSHA |
|                                       | Power Supply                          | AC 3Φ, 380-415V/50/60Hz                    |                                  |                                  |                                  |
| Cooling                               | Capacity                              | kW<br>67.0                                 | 73.5                             | 80.0                             | 85.0                             |
|                                       |                                       | kBtu/h<br>228.6                            | 250.8                            | 273.0                            | 290.0                            |
|                                       | Power Input                           | kW<br>14.50                                | 15.95                            | 17.40                            | 19.92                            |
|                                       | EER                                   | kW/kW<br>4.62                              | 4.61                             | 4.60                             | 4.27                             |
| Heating                               | Capacity (Max/Nom)                    | kW<br>75.0/67.0                            | 82.5/73.5                        | 90.0/80.0                        | 95.0/85.0                        |
|                                       |                                       | kBtu/h<br>255.9/228.6                      | 281.5/250.8                      | 307.1/273.0                      | 324.1/290.0                      |
|                                       | Power Input (Max/Nom)                 | kW<br>15.00/12.40                          | 17.97/14.90                      | 20.94/17.40                      | 22.35/18.93                      |
|                                       | COP (Max/Nom)                         | kW/kW<br>5.00/5.40                         | 4.59/4.93                        | 4.30/4.60                        | 4.25/4.49                        |
| Ventilation                           | Air Flow Rate                         | m <sup>3</sup> /min<br>400                 | 400                              | 400                              | 467                              |
|                                       | Fan Quantity                          | 4  | 4                                | 4                                | 4                                |
|                                       | Static Pressure                       | Pa<br>110                                  | 110                              | 110                              | 110                              |
| Sound Pressure Level (Normal/ Silent) |                                       | 65/54                                      | 65/55                            | 65/56                            | 65/57                            |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |                                  |                                  |                                  |
|                                       | Compressor Quantity                   | pcs<br>2                                   | 3                                | 4                                | 4                                |
| Refrigerant                           | Type                                  | R410A                                      |                                  |                                  |                                  |
|                                       | Pre-charged Quantity                  | kg<br>17.60                                | 18.00                            | 18.40                            | 19.00                            |
| Weight                                | Net Weight                            | kg<br>580                                  | 643                              | 706                              | 726                              |
|                                       | Gross Weight                          | kg<br>644                                  | 707                              | 770                              | 793                              |
| Dimensions                            | External(HxWxD)                       | mm<br>1730x<br>(1210+1210)<br>x750         | 1730x<br>(1210+1210)<br>x750     | 1730x<br>(1210+1210)<br>x750     | 1730x<br>(1210+1350)<br>x750     |
|                                       | Packing(HxWxD)                        | mm<br>1950x<br>(1275+1275)<br>x790         | 1950x<br>(1275+1275)<br>x790     | 1950x<br>(1275+1275)<br>x790     | 1950x<br>(1275+1420)<br>x790     |
| Cabinet Color                         |                                       | Ivory White                                | Ivory White                      | Ivory White                      | Ivory White                      |
| Heat Recovery Operation System        | Low Pressure Gas Line                 | mm(in.)<br>φ28.60(1-1/8)                   | φ31.75(1-1/4)                    | φ31.75(1-1/4)                    | φ31.75(1-1/4)                    |
|                                       | High/Low Pressure Gas Line            | mm(in.)<br>φ25.4(1)                        | φ25.4(1)                         | φ28.6(1-1/8)                     | φ28.6(1-1/8)                     |
|                                       | Liquid Line                           | mm(in.)<br>φ15.88(5/8)                     | φ19.05(3/4)                      | φ19.05(3/4)                      | φ19.05(3/4)                      |
| Heat Pump Operation System            | Gas Line                              | mm(in.)<br>φ28.60(1-1/8)                   | φ31.75(1-1/4)                    | φ31.75(1-1/4)                    | φ31.75(1-1/4)                    |
|                                       | Liquid Line                           | mm(in.)<br>φ15.88(5/8)                     | φ19.05(3/4)                      | φ19.05(3/4)                      | φ19.05(3/4)                      |
| Connectable Indoor Units              | Quantity                              | pcs<br>40                                  | 43                               | 47                               | 50                               |
|                                       | Total Capacity                        | –<br>200%*1                                | 200%*1                           | 200%*1                           | 200%*1                           |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)<br>50(90*2)                       | 50(90*2)                         | 50(90*2)                         | 50(90*2)                         |
|                                       |                                       | m(below)<br>40(90*2)                       | 40(90*2)                         | 40(90*2)                         | 40(90*2)                         |
|                                       | Height Difference Between IDUs        | m<br>15(30*2)                              | 15(30*2)                         | 15(30*2)                         | 15(30*2)                         |
|                                       | Max. Piping Length                    | m<br>165                                   | 165                              | 165                              | 165                              |
| Operation Range                       | Cooling                               | DB<br>-10°C~52°C                           | -10°C~52°C                       | -10°C~52°C                       | -10°C~52°C                       |
|                                       | Heating                               | WB<br>-25°C~16.5°C                         | -25°C~16.5°C                     | -25°C~16.5°C                     | -25°C~16.5°C                     |

- Notes:
- 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.
  - 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.
  - The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
- \*1\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (High Efficiency)



| HP                                    |                                       | 32HP                                       | 34HP                             | 36HP                             | 38HP                             |
|---------------------------------------|---------------------------------------|--|----------------------------------|----------------------------------|----------------------------------|
| Model                                 |                                       | AVWT-308FKFSHA                             | AVWT-324FKFSHA                   | AVWT-340FKFSHA                   | AVWT-360FKFSHA                   |
| Model                                 | Modules                               | AVWT-154FKFSHA<br>AVWT-154FKFSHA           | AVWT-170FKFSHA<br>AVWT-154FKFSHA | AVWT-170FKFSHA<br>AVWT-170FKFSHA | AVWT-190FKFSHA<br>AVWT-170FKFSHA |
|                                       | Power Supply                          | AC 3Φ, 380-415V/50/60Hz                    |                                  |                                  |                                  |
| Cooling                               | Capacity                              | kW<br>90.0                                 | 95.0                             | 100.0                            | 106.0                            |
|                                       |                                       | kBtu/h<br>307.1                            | 324.1                            | 341.2                            | 361.7                            |
|                                       | Power Input                           | kW<br>22.44                                | 23.91                            | 25.38                            | 27.05                            |
|                                       | EER                                   | kW/kW<br>4.01                              | 3.97                             | 3.94                             | 3.92                             |
| Heating                               | Capacity (Max/Nom)                    | kW<br>100.0/90.0                           | 106.0/95.0                       | 112.0/100.0                      | 119.0/106.0                      |
|                                       |                                       | kBtu/h<br>341.2/307.1                      | 361.7/324.1                      | 382.1/341.2                      | 406.0/361.7                      |
|                                       | Power Input (Max/Nom)                 | kW<br>23.76/20.46                          | 25.85/22.11                      | 27.94/23.76                      | 29.72/25.28                      |
|                                       | COP (Max/Nom)                         | kW/kW<br>4.21/4.40                         | 4.10/4.30                        | 4.01/4.21                        | 4.00/4.19                        |
| Ventilation                           | Air Flow Rate                         | m <sup>3</sup> /min<br>534                 | 565                              | 596                              | 648                              |
|                                       | Fan Quantity                          | 4  | 4                                | 4                                | 4                                |
|                                       | Static Pressure                       | Pa<br>110                                  | 110                              | 110                              | 110                              |
| Sound Pressure Level (Normal/ Silent) |                                       | 65/57                                      | 65/58                            | 65/58                            | 66/57                            |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |                                  |                                  |                                  |
|                                       | Compressor Quantity                   | pcs<br>4                                   | 4                                | 4                                | 4                                |
| Refrigerant                           | Type                                  | R410A                                      |                                  |                                  |                                  |
|                                       | Pre-charged Quantity                  | kg<br>19.60                                | 20.40                            | 21.20                            | 22.10                            |
| Weight                                | Net Weight                            | kg<br>746                                  | 751                              | 756                              | 779                              |
|                                       | Gross Weight                          | kg<br>816                                  | 821                              | 826                              | 852                              |
| Dimensions                            | External(HxWxD)                       | mm<br>1730x<br>(1350+1350)<br>x750         | 1730x<br>(1350+1350)<br>x750     | 1730x<br>(1350+1350)<br>x750     | 1730x<br>(1350+1600)<br>x750     |
|                                       | Packing(HxWxD)                        | mm<br>1950x<br>(1420+1420)<br>x790         | 1950x<br>(1420+1420)<br>x790     | 1950x<br>(1420+1420)<br>x790     | 1950x<br>(1420+1665)<br>x790     |
| Cabinet Color                         |                                       | Ivory White                                | Ivory White                      | Ivory White                      | Ivory White                      |
| Heat Recovery Operation System        | Low Pressure Gas Line                 | mm(in.)<br>φ31.75(1-1/4)                   | φ31.75(1-1/4)                    | φ38.1(1-1/2)                     | φ38.1(1-1/2)                     |
|                                       | High/Low Pressure Gas Line            | mm(in.)<br>φ28.6(1-1/8)                    | φ28.6(1-1/8)                     | φ28.6(1-1/8)                     | φ31.75(1-1/4)                    |
|                                       | Liquid Line                           | mm(in.)<br>φ19.05(3/4)                     | φ19.05(3/4)                      | φ19.05(3/4)                      | φ19.05(3/4)                      |
| Heat Pump Operation System            | Gas Line                              | mm(in.)<br>φ31.75(1-1/4)                   | φ31.75(1-1/4)                    | φ38.1(1-1/2)                     | φ38.1(1-1/2)                     |
|                                       | Liquid Line                           | mm(in.)<br>φ19.05(3/4)                     | φ19.05(3/4)                      | φ19.05(3/4)                      | φ19.05(3/4)                      |
| Connectable Indoor Units              | Quantity                              | pcs<br>53                                  | 56                               | 59                               | 64                               |
|                                       | Total Capacity                        | –<br>200%*1                                | 200%*1                           | 200%*1                           | 200%*1                           |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)<br>50(90*2)                       | 50(90*2)                         | 50(90*2)                         | 50(90*2)                         |
|                                       |                                       | m(below)<br>40(90*2)                       | 40(90*2)                         | 40(90*2)                         | 40(90*2)                         |
|                                       | Height Difference Between IDUs        | m<br>15(30*2)                              | 15(30*2)                         | 15(30*2)                         | 15(30*2)                         |
|                                       | Max. Piping Length                    | m<br>165                                   | 165                              | 165                              | 165                              |
| Operation Range                       | Cooling                               | DB<br>-10°C~52°C                           | -10°C~52°C                       | -10°C~52°C                       | -10°C~52°C                       |
|                                       | Heating                               | WB<br>-25°C~16.5°C                         | -25°C~16.5°C                     | -25°C~16.5°C                     | -25°C~16.5°C                     |

- Notes:
- 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.
  - 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.
  - The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.
- \*1\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (High Efficiency)



| HP                                    |                                       | 40HP                                       | 42HP                               | 44HP                               |                                    |
|---------------------------------------|---------------------------------------|--|------------------------------------|------------------------------------|------------------------------------|
| Model                                 |                                       | AVWT-380FKFSHA                             | AVWT-402FKFSHA                     | AVWT-424FKFSHA                     |                                    |
| Model                                 | Modules                               | AVWT-190FKFSHA<br>AVWT-190FKFSHA           | AVWT-212FKFSHA<br>AVWT-190FKFSHA   | AVWT-212FKFSHA<br>AVWT-212FKFSHA   |                                    |
|                                       | Power Supply                          | AC 3 $\phi$ , 380-415V/50/60Hz             |                                    |                                    |                                    |
| Cooling                               | Capacity                              | 112.0                                      | 117.5                              | 123.0                              |                                    |
|                                       | Capacity                              | kBtu/h                                     | 382.1                              | 400.9                              | 419.7                              |
|                                       | Power Input                           | kW   | 28.72                              | 32.77                              | 36.82                              |
|                                       | EER                                   | kW/kW                                      | 3.90                               | 3.59                               | 3.34                               |
| Heating                               | Capacity (Max/Nom)                    | kW   | 126.0/112.0                        | 132.0/117.5                        | 138.0/123.0                        |
|                                       | Capacity                              | kBtu/h                                     | 429.9/382.1                        | 450.4/400.9                        | 470.9/419.7                        |
|                                       | Power Input (Max/Nom)                 | kW   | 31.50/26.80                        | 35.93/29.89                        | 40.36/32.98                        |
|                                       | COP (Max/Nom)                         | kW/kW                                      | 4.00/4.18                          | 3.67/3.93                          | 3.42/3.73                          |
| Ventilation                           | Air Flow Rate                         | m <sup>3</sup> /min                        | 700                                | 700                                | 700                                |
|                                       | Fan Quantity                          |  | 4                                  | 4                                  | 4                                  |
|                                       | Static Pressure                       | Pa   | 110                                | 110                                | 110                                |
| Sound Pressure Level (Normal/ Silent) | dB(A)                                 | 66/55                                      | 67/55                              | 67/55                              |                                    |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |                                    |                                    |                                    |
|                                       | Compressor Quantity                   | pcs  | 4                                  | 4                                  | 4                                  |
| Refrigerant                           | Type                                  | R410A                                      |                                    |                                    |                                    |
|                                       | Pre-charged Quantity                  | kg   | 23.00                              | 23.00                              | 23.00                              |
|                                       | Net Weight                            | kg   | 802                                | 803                                | 804                                |
| Weight                                | Gross Weight                          | kg   | 878                                | 879                                | 880                                |
|                                       | Dimensions                            | External(HxWxD)                            | mm                                 | 1730x<br>(1600+1600)<br>x750       | 1730x<br>(1600+1600)<br>x750       |
| Packing(HxWxD)                        |                                       | mm   | 1950x<br>(1665+1665)<br>x790       | 1950x<br>(1665+1665)<br>x790       | 1950x<br>(1665+1665)<br>x790       |
| Cabinet Color                         |                                       |  | Ivory White                        |                                    |                                    |
| Heat Recovery Operation System        | Low Pressure Gas Line                 | mm(in.)                                    | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 |
|                                       | High/Low Pressure Gas Line            | mm(in.)                                    | $\phi$ 31.75(1-1/4)                | $\phi$ 31.75(1-1/4)                | $\phi$ 31.75(1-1/4)                |
|                                       | Liquid Line                           | mm(in.)                                    | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  |
| Heat Pump Operation System            | Gas Line                              | mm(in.)                                    | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 | $\phi$ 38.1(1-1/2)                 |
|                                       | Liquid Line                           | mm(in.)                                    | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  | $\phi$ 19.05(3/4)                  |
| Connectable Indoor Units              | Quantity                              | pcs  | 64                                 | 64                                 | 64                                 |
|                                       | Total Capacity                        | -  | 200%*1                             | 200%*1                             | 200%*1                             |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)                                   | 50(90")                            | 50(90")                            | 50(90")                            |
|                                       |                                       | m(below)                                   | 40(90")                            | 40(90")                            | 40(90")                            |
|                                       | Height Difference Between IDUs        | m  | 15(30")                            | 15(30")                            | 15(30")                            |
|                                       | Max. Piping Length                    | m  | 165                                | 165                                | 165                                |
| Operation Range                       | Cooling                               | DB   | -10 $^{\circ}$ C-52 $^{\circ}$ C   | -10 $^{\circ}$ C-52 $^{\circ}$ C   | -10 $^{\circ}$ C-52 $^{\circ}$ C   |
|                                       | Heating                               | WB   | -25 $^{\circ}$ C-16.5 $^{\circ}$ C | -25 $^{\circ}$ C-16.5 $^{\circ}$ C | -25 $^{\circ}$ C-16.5 $^{\circ}$ C |

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ 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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

\*1\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (High Efficiency)



| HP                                    |                                       | 46HP   | 48HP   | 50HP   | 52HP   |                                    |
|---------------------------------------|---------------------------------------|--|--|--|--|------------------------------------|
| Model                                 |                                       | AVWT-444FKFSHA                                     | AVWT-462FKFSHA                                     | AVWT-478FKFSHA                                     | AVWT-494FKFSHA                                     |                                    |
| Model                                 | Modules                               | AVWT-154FKFSHA<br>AVWT-154FKFSHA<br>AVWT-136FKFSHA | AVWT-154FKFSHA<br>AVWT-154FKFSHA<br>AVWT-154FKFSHA | AVWT-170FKFSHA<br>AVWT-154FKFSHA<br>AVWT-154FKFSHA | AVWT-170FKFSHA<br>AVWT-170FKFSHA<br>AVWT-154FKFSHA |                                    |
|                                       | Power Supply                          | AC 3 $\phi$ , 380-415V/50/60Hz                     |  |  |  |                                    |
| Cooling                               | Capacity                              | 130.0  | 135.0  | 140.0  | 145.0  |                                    |
|                                       | Capacity                              | kBtu/h   | 443.6  | 460.6  | 477.7  | 494.7                              |
|                                       | Power Input                           | kW   | 31.14  | 33.66  | 35.13  | 36.60                              |
|                                       | EER                                   | kW/kW  | 4.17   | 4.01   | 3.99   | 3.96                               |
| Heating                               | Capacity (Max/Nom)                    | kW   | 145.0/130.0  | 150.0/135.0  | 156.0/140.0  | 162.0/145.0                        |
|                                       | Capacity                              | kBtu/h   | 494.7/443.6  | 511.8/460.6  | 532.3/477.7  | 552.7/494.7                        |
|                                       | Power Input (Max/Nom)                 | kW   | 34.23/29.16  | 35.64/30.69  | 37.73/32.34  | 39.82/33.99                        |
|                                       | COP (Max/Nom)                         | kW/kW  | 4.24/4.46  | 4.21/4.40  | 4.13/4.33  | 4.07/4.27                          |
| Ventilation                           | Air Flow Rate                         | m <sup>3</sup> /min                                | 734  | 801  | 832  | 863                                |
|                                       | Fan Quantity                          |  | 6  | 6  | 6  | 6                                  |
|                                       | Static Pressure                       | Pa   | 110  | 110  | 110  | 110                                |
| Sound Pressure Level (Normal/ Silent) | dB(A)                                 | 67/58  | 67/59  | 67/59  | 67/59  |                                    |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor         |  |  |  |                                    |
|                                       | Compressor Quantity                   | pcs  | 6  | 6  | 6  | 6                                  |
| Refrigerant                           | Type                                  | R410A  |  |  |  |                                    |
|                                       | Pre-charged Quantity                  | kg   | 28.80  | 29.40  | 30.20  | 31.00                              |
|                                       | Net Weight                            | kg   | 1099   | 1119   | 1124   | 1129                               |
| Weight                                | Gross Weight                          | kg   | 1201   | 1224   | 1229   | 1234                               |
|                                       | Dimensions                            | External(HxWxD)                                    | mm   | 1730x<br>(1210+1350+1350)<br>x750                  | 1730x<br>(1350+1350+1350)<br>x750                  | 1730x<br>(1350+1350+1350)<br>x750  |
| Packing(HxWxD)                        |                                       | mm   | 1950x<br>(1275+1420+1420)<br>x790                  | 1950x<br>(1420+1420+1420)<br>x790                  | 1950x<br>(1420+1420+1420)<br>x790                  | 1950x<br>(1420+1420+1420)<br>x790  |
| Cabinet Color                         |                                       |  | Ivory White  |  |  |                                    |
| Heat Recovery Operation System        | Low Pressure Gas Line                 | mm(in.)  | $\phi$ 38.1(1-1/2)                                 | $\phi$ 38.1(1-1/2)                                 | $\phi$ 38.1(1-1/2)                                 | $\phi$ 38.1(1-1/2)                 |
|                                       | High/Low Pressure Gas Line            | mm(in.)  | $\phi$ 31.75(1-1/4)                                | $\phi$ 31.75(1-1/4)                                | $\phi$ 31.75(1-1/4)                                | $\phi$ 31.75(1-1/4)                |
|                                       | Liquid Line                           | mm(in.)  | $\phi$ 19.05(3/4)                                  | $\phi$ 19.05(3/4)                                  | $\phi$ 19.05(3/4)                                  | $\phi$ 19.05(3/4)                  |
| Heat Pump Operation System            | Gas Line                              | mm(in.)  | $\phi$ 38.1(1-1/2)                                 | $\phi$ 38.1(1-1/2)                                 | $\phi$ 38.1(1-1/2)                                 | $\phi$ 38.1(1-1/2)                 |
|                                       | Liquid Line                           | mm(in.)  | $\phi$ 19.05(3/4)                                  | $\phi$ 19.05(3/4)                                  | $\phi$ 19.05(3/4)                                  | $\phi$ 19.05(3/4)                  |
| Connectable Indoor Units              | Quantity                              | pcs  | 64   | 64   | 64   | 64                                 |
|                                       | Total Capacity                        | -  | 200%*1   | 200%*1   | 200%*1   | 200%*1                             |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)   | 50(90")  | 50(90")  | 50(90")  | 50(90")                            |
|                                       |                                       | m(below)   | 40(90")  | 40(90")  | 40(90")  | 40(90")                            |
|                                       | Height Difference Between IDUs        | m  | 15(30")  | 15(30")  | 15(30")  | 15(30")                            |
|                                       | Max. Piping Length                    | m  | 165  | 165  | 165  | 165                                |
| Operation Range                       | Cooling                               | DB   | -10 $^{\circ}$ C-52 $^{\circ}$ C                   | -10 $^{\circ}$ C-52 $^{\circ}$ C                   | -10 $^{\circ}$ C-52 $^{\circ}$ C                   | -10 $^{\circ}$ C-52 $^{\circ}$ C   |
|                                       | Heating                               | WB   | -25 $^{\circ}$ C-16.5 $^{\circ}$ C                 | -25 $^{\circ}$ C-16.5 $^{\circ}$ C                 | -25 $^{\circ}$ C-16.5 $^{\circ}$ C                 | -25 $^{\circ}$ C-16.5 $^{\circ}$ C |

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ 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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

\*1\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (High Efficiency)



| HP                             |                                       | 54HP                                       | 56HP                               | 58HP                               | 60HP                               |                                    |
|--------------------------------|---------------------------------------|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Model                          | Model                                 | AVWT-510FKFSHA                             | AVWT-530FKFSHA                     | AVWT-550FKFSHA                     | AVWT-570FKFSHA                     |                                    |
|                                | Modules                               | AVWT-170FKFSHA                             | AVWT-190FKFSHA                     | AVWT-190FKFSHA                     | AVWT-190FKFSHA                     |                                    |
|                                |                                       | AVWT-170FKFSHA                             | AVWT-170FKFSHA                     | AVWT-190FKFSHA                     | AVWT-190FKFSHA                     |                                    |
| Power Supply                   |                                       | AC 3 $\phi$ , 380-415V/50/60Hz             |                                    |                                    |                                    |                                    |
| Cooling                        | Capacity                              | 150.0                                      | 156.0                              | 162.0                              | 168.0                              |                                    |
|                                | Capacity                              | 511.8                                      | 532.3                              | 552.7                              | 573.2                              |                                    |
|                                | Power Input                           | 38.07                                      | 39.74                              | 41.41                              | 43.08                              |                                    |
|                                | EER                                   | 3.94                                       | 3.93                               | 3.91                               | 3.90                               |                                    |
| Heating                        | Capacity (Max/Nom)                    | 168.0/150.0                                | 175.0/156.0                        | 182.0/162.0                        | 189.0/168.0                        |                                    |
|                                | Capacity                              | 573.2/511.8                                | 597.1/532.3                        | 621.0/552.7                        | 644.9/573.2                        |                                    |
|                                | Power Input (Max/Nom)                 | 41.91/35.64                                | 43.69/37.16                        | 45.47/38.68                        | 47.25/40.20                        |                                    |
| Heating                        | COP (Max/Nom)                         | 4.01/4.21                                  | 4.01/4.20                          | 4.00/4.19                          | 4.00/4.18                          |                                    |
|                                | Air Flow Rate                         | 894  | 946                                | 998                                | 1050                               |                                    |
|                                | Fan Quantity                          | 6  | 6                                  | 6                                  | 6                                  |                                    |
| Ventilation                    | Static Pressure                       | 110  | 110                                | 110                                | 110                                |                                    |
|                                | Sound Pressure Level (Normal/ Silent) | 67/60                                      | 67/59                              | 67/58                              | 68/57                              |                                    |
| Compressor                     | Type                                  | Enhanced Vapor Injection Scroll Compressor |                                    |                                    |                                    |                                    |
|                                | Compressor Quantity                   | 6  | 6                                  | 6                                  | 6                                  |                                    |
| Refrigerant                    | Type                                  | R410A                                      |                                    |                                    |                                    |                                    |
|                                | Pre-charged Quantity                  | 31.80                                      | 32.70                              | 33.60                              | 34.50                              |                                    |
| Weight                         | Net Weight                            | 1134                                       | 1157                               | 1180                               | 1203                               |                                    |
|                                | Gross Weight                          | 1239                                       | 1265                               | 1291                               | 1317                               |                                    |
| Dimensions                     | External(HxWxD)                       | mm   | 1730x<br>(1350+1350+1350)<br>x750  | 1730x<br>(1350+1350+1600)<br>x750  | 1730x<br>(1350+1600+1600)<br>x750  | 1730x<br>(1600+1600+1600)<br>x750  |
|                                |                                       | Packing(HxWxD)                             | mm                                 | 1950x<br>(1420+1420+1420)<br>x790  | 1950x<br>(1420+1420+1665)<br>x790  | 1950x<br>(1420+1665+1665)<br>x790  |
|                                | Cabinet Color                         |  | Ivory White                        | Ivory White                        | Ivory White                        | Ivory White                        |
| Heat Recovery Operation System | Low Pressure Gas Line                 | mm(in.)                                    | $\phi$ 38.1(1-1/2)                 | $\phi$ 41.3(1-5/8)                 | $\phi$ 44.5(1-3/4)                 | $\phi$ 44.5(1-3/4)                 |
|                                | High/Low Pressure Gas Line            | mm(in.)                                    | $\phi$ 31.75(1-1/4)                | $\phi$ 38.1(1-1/2)                 | $\phi$ 41.3(1-5/8)                 | $\phi$ 41.3(1-5/8)                 |
|                                | Liquid Line                           | mm(in.)                                    | $\phi$ 19.05(3/4)                  | $\phi$ 22.2(7/8)                   | $\phi$ 22.2(7/8)                   | $\phi$ 22.2(7/8)                   |
| Heat Pump Operation System     | Gas Line                              | mm(in.)                                    | $\phi$ 38.1(1-1/2)                 | $\phi$ 41.3(1-5/8)                 | $\phi$ 44.5(1-3/4)                 | $\phi$ 44.5(1-3/4)                 |
|                                | Liquid Line                           | mm(in.)                                    | $\phi$ 19.05(3/4)                  | $\phi$ 22.2(7/8)                   | $\phi$ 22.2(7/8)                   | $\phi$ 22.2(7/8)                   |
| Connectable Indoor Units       | Quantity                              | pcs  | 64                                 | 64                                 | 64                                 | 64                                 |
|                                | Total Capacity                        | -  | 200%*1                             | 200%*1                             | 200%*1                             | 200%*1                             |
| Piping Design                  | Height Difference Between ODU and IDU | m(above)                                   | 50(90**)                           | 50(90**)                           | 50(90**)                           | 50(90**)                           |
|                                |                                       | m(below)                                   | 40(90**)                           | 40(90**)                           | 40(90**)                           | 40(90**)                           |
|                                | Height Difference Between IDUs        | m  | 15(30**)                           | 15(30**)                           | 15(30**)                           | 15(30**)                           |
| Operation Range                | Max. Piping Length                    | m  | 165                                | 165                                | 165                                | 165                                |
|                                | Cooling                               | DB   | -10 $^{\circ}$ C-52 $^{\circ}$ C   |
|                                | Heating                               | WB   | -25 $^{\circ}$ C-16.5 $^{\circ}$ C |

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ 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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

\*\*1\*: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (High Efficiency)



| HP                             |                                       | 62HP                                       | 64HP                               | 66HP                               |                                    |
|--------------------------------|---------------------------------------|--|------------------------------------|------------------------------------|------------------------------------|
| Model                          | Model                                 | AVWT-592FKFSHA                             | AVWT-614FKFSHA                     | AVWT-636FKFSHA                     |                                    |
|                                | Modules                               | AVWT-212FKFSHA                             | AVWT-212FKFSHA                     | AVWT-212FKFSHA                     |                                    |
|                                |                                       | AVWT-190FKFSHA                             | AVWT-190FKFSHA                     | AVWT-212FKFSHA                     |                                    |
| Power Supply                   |                                       | AC 3 $\phi$ , 380-415V/50/60Hz             |                                    |                                    |                                    |
| Cooling                        | Capacity                              | 173.5                                      | 179.0                              | 184.5                              |                                    |
|                                | Capacity                              | 592.0                                      | 610.7                              | 629.5                              |                                    |
|                                | Power Input                           | 47.13                                      | 51.18                              | 55.23                              |                                    |
|                                | EER                                   | 3.68                                       | 3.50                               | 3.34                               |                                    |
| Heating                        | Capacity (Max/Nom)                    | 195.0/173.5                                | 201.0/179.0                        | 207.0/184.5                        |                                    |
|                                | Capacity                              | 665.3/592.0                                | 685.8/610.7                        | 706.3/629.5                        |                                    |
|                                | Power Input (Max/Nom)                 | 51.68/43.29                                | 56.11/46.38                        | 60.54/49.47                        |                                    |
| Heating                        | COP (Max/Nom)                         | 3.77/4.01                                  | 3.58/3.86                          | 3.42/3.73                          |                                    |
|                                | Air Flow Rate                         | 1050                                       | 1050                               | 1050                               |                                    |
|                                | Fan Quantity                          | 6  | 6                                  | 6                                  |                                    |
| Ventilation                    | Static Pressure                       | 110  | 110                                | 110                                |                                    |
|                                | Sound Pressure Level (Normal/ Silent) | 68/57                                      | 68/57                              | 69/57                              |                                    |
| Compressor                     | Type                                  | Enhanced Vapor Injection Scroll Compressor |                                    |                                    |                                    |
|                                | Compressor Quantity                   | 6  | 6                                  | 6                                  |                                    |
| Refrigerant                    | Type                                  | R410A                                      |                                    |                                    |                                    |
|                                | Pre-charged Quantity                  | 34.50                                      | 34.50                              | 34.50                              |                                    |
| Weight                         | Net Weight                            | 1204                                       | 1205                               | 1206                               |                                    |
|                                | Gross Weight                          | 1318                                       | 1319                               | 1320                               |                                    |
| Dimensions                     | External(HxWxD)                       | mm   | 1730x<br>(1600+1600+1600)<br>x750  | 1730x<br>(1600+1600+1600)<br>x750  | 1730x<br>(1600+1600+1600)<br>x750  |
|                                |                                       | Packing(HxWxD)                             | mm                                 | 1950x<br>(1665+1665+1665)<br>x790  | 1950x<br>(1665+1665+1665)<br>x790  |
|                                | Cabinet Color                         |  | Ivory White                        | Ivory White                        | Ivory White                        |
| Heat Recovery Operation System | Low Pressure Gas Line                 | mm(in.)                                    | $\phi$ 44.5(1-3/4)                 | $\phi$ 44.5(1-3/4)                 | $\phi$ 44.5(1-3/4)                 |
|                                | High/Low Pressure Gas Line            | mm(in.)                                    | $\phi$ 41.3(1-5/8)                 | $\phi$ 41.3(1-5/8)                 | $\phi$ 41.3(1-5/8)                 |
|                                | Liquid Line                           | mm(in.)                                    | $\phi$ 22.2(7/8)                   | $\phi$ 22.2(7/8)                   | $\phi$ 22.2(7/8)                   |
| Heat Pump Operation System     | Gas Line                              | mm(in.)                                    | $\phi$ 44.5(1-3/4)                 | $\phi$ 44.5(1-3/4)                 | $\phi$ 44.5(1-3/4)                 |
|                                | Liquid Line                           | mm(in.)                                    | $\phi$ 22.2(7/8)                   | $\phi$ 22.2(7/8)                   | $\phi$ 22.2(7/8)                   |
| Connectable Indoor Units       | Quantity                              | pcs  | 64                                 | 64                                 | 64                                 |
|                                | Total Capacity                        | -  | 200%*1                             | 200%*1                             | 200%*1                             |
| Piping Design                  | Height Difference Between ODU and IDU | m(above)                                   | 50(90**)                           | 50(90**)                           | 50(90**)                           |
|                                |                                       | m(below)                                   | 40(90**)                           | 40(90**)                           | 40(90**)                           |
|                                | Height Difference Between IDUs        | m  | 15(30**)                           | 15(30**)                           | 15(30**)                           |
| Operation Range                | Max. Piping Length                    | m  | 165                                | 165                                | 165                                |
|                                | Cooling                               | DB   | -10 $^{\circ}$ C-52 $^{\circ}$ C   | -10 $^{\circ}$ C-52 $^{\circ}$ C   | -10 $^{\circ}$ C-52 $^{\circ}$ C   |
|                                | Heating                               | WB   | -25 $^{\circ}$ C-16.5 $^{\circ}$ C | -25 $^{\circ}$ C-16.5 $^{\circ}$ C | -25 $^{\circ}$ C-16.5 $^{\circ}$ C |

Notes:

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

Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ 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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

\*\*1\*: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (High Efficiency)



| HP                                    |                                       | 68HP                                       | 70HP                                   | 72HP                                   | 74HP                                   |  |
|---------------------------------------|---------------------------------------|--|--|--|--|--|
| Model                                 | Model                                 | AVWT-648FKFSHA                             | AVWT-664FKFSHA                         | AVWT-680FKFSHA                         | AVWT-700FKFSHA                         |  |
|                                       | Modules                               | AVWT-170FKFSHA                             | AVWT-170FKFSHA                         | AVWT-170FKFSHA                         | AVWT-190FKFSHA                         |  |
|                                       |                                       | AVWT-170FKFSHA                             | AVWT-170FKFSHA                         | AVWT-170FKFSHA                         | AVWT-170FKFSHA                         |  |
|                                       |                                       | AVWT-154FKFSHA                             | AVWT-170FKFSHA                         | AVWT-170FKFSHA                         | AVWT-170FKFSHA                         |  |
| Power Supply                          |                                       | AC 3Φ, 380-415V/50/60Hz                    |  |  |  |  |
| Cooling                               | Capacity                              | 190.0                                      | 195.0                                  | 200.0                                  | 206.0                                  |  |
|                                       | Capacity                              | 648.3                                      | 665.3                                  | 682.4                                  | 702.9                                  |  |
|                                       | Power Input                           | 47.82                                      | 49.29                                  | 50.76                                  | 52.43                                  |  |
|                                       | EER                                   | 3.97                                       | 3.96                                   | 3.94                                   | 3.93                                   |  |
| Heating                               | Capacity (Max/Nom)                    | 212.0/190.0                                | 218.0/195.0                            | 224.0/200.0                            | 231.0/206.0                            |  |
|                                       | Capacity                              | 723.3/648.3                                | 743.8/665.3                            | 764.3/682.4                            | 788.2/702.9                            |  |
|                                       | Power Input (Max/Nom)                 | 51.70/44.22                                | 53.79/45.87                            | 55.88/47.52                            | 57.66/49.04                            |  |
|                                       | COP (Max/Nom)                         | 4.10/4.30                                  | 4.05/4.25                              | 4.01/4.21                              | 4.01/4.20                              |  |
| Ventilation                           | Air Flow Rate                         | 1130                                       | 1161                                   | 1192                                   | 1244                                   |  |
|                                       | Fan Quantity                          | 8  | 8                                      | 8                                      | 8                                      |  |
|                                       | Static Pressure                       | 110  | 110                                    | 110                                    | 110                                    |  |
| Sound Pressure Level (Normal/ Silent) |                                       | 68/61                                      | 68/61                                  | 68/61                                  | 68/60                                  |  |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |  |  |  |  |
|                                       | Compressor Quantity                   | 8  | 8                                      | 8                                      | 8                                      |  |
| Refrigerant                           | Type                                  | R410A                                      |  |  |  |  |
|                                       | Pre-charged Quantity                  | 40.80                                      | 41.60                                  | 42.40                                  | 43.30                                  |  |
| Weight                                | Net Weight                            | 1502                                       | 1507                                   | 1512                                   | 1535                                   |  |
|                                       | Gross Weight                          | 1642                                       | 1647                                   | 1652                                   | 1678                                   |  |
| Dimensions                            | External(HxWxD)                       | mm   | 1730x<br>(1350+1350+1350+1350)<br>x750 | 1730x<br>(1350+1350+1350+1350)<br>x750 | 1730x<br>(1350+1350+1350+1350)<br>x750 | 1730x<br>(1350+1350+1350+1600)<br>x750 |
|                                       |                                       | Packing(HxWxD)                             | mm                                     | 1950x<br>(1420+1420+1420+1420)<br>x790 | 1950x<br>(1420+1420+1420+1420)<br>x790 | 1950x<br>(1420+1420+1420+1420)<br>x790 |
|                                       | Cabinet Color                         |  | Ivory White                            |  |  |  |
|                                       |                                       | Heat Recovery Operation System             | Low Pressure Gas Line                  | mm(in.)                                | φ50.8(2)                               | φ50.8(2)                               |
| Heat Pump Operation System            | High/Low Pressure Gas Line            | mm(in.)                                    | φ44.5(1-3/4)                           | φ44.5(1-3/4)                           | φ44.5(1-3/4)                           | φ44.5(1-3/4)                           |
|                                       | Liquid Line                           | mm(in.)                                    | φ25.4(1)                               | φ25.4(1)                               | φ25.4(1)                               | φ25.4(1)                               |
|                                       | Gas Line                              | mm(in.)                                    | φ50.8(2)                               | φ50.8(2)                               | φ50.8(2)                               | φ50.8(2)                               |
| Connectable Indoor Units              | Liquid Line                           | mm(in.)                                    | φ25.4(1)                               | φ25.4(1)                               | φ25.4(1)                               | φ25.4(1)                               |
|                                       | Quantity                              | pcs  | 64                                     | 64                                     | 64                                     | 64                                     |
| Piping Design                         | Total Capacity                        | -  | 200%*1                                 | 200%*1                                 | 200%*1                                 | 200%*1                                 |
|                                       | Height Difference Between ODU and IDU | m(above)                                   | 50(90*)                                | 50(90*)                                | 50(90*)                                | 50(90*)                                |
|                                       |                                       | m(below)                                   | 40(90*)                                | 40(90*)                                | 40(90*)                                | 40(90*)                                |
|                                       | Height Difference Between IDUs        | m  | 15(30*)                                | 15(30*)                                | 15(30*)                                | 15(30*)                                |
| Max. Piping Length                    | m                                     | 165  | 165                                    | 165                                    | 165                                    |  |
| Operation Range                       | Cooling                               | DB   | -10°C~52°C                             | -10°C~52°C                             | -10°C~52°C                             | -10°C~52°C                             |
|                                       | Heating                               | WB   | -25°C~16.5°C                           | -25°C~16.5°C                           | -25°C~16.5°C                           | -25°C~16.5°C                           |

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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.  
 \*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (High Efficiency)



| HP                                    |                                       | 76HP                                       | 78HP                                   | 80HP                                   | 82HP                                   |  |
|---------------------------------------|---------------------------------------|--|--|--|--|--|
| Model                                 | Model                                 | AVWT-720FKFSHA                             | AVWT-740FKFSHA                         | AVWT-760FKFSHA                         | AVWT-782FKFSHA                         |  |
|                                       | Modules                               | AVWT-190FKFSHA                             | AVWT-190FKFSHA                         | AVWT-190FKFSHA                         | AVWT-212FKFSHA                         |  |
|                                       |                                       | AVWT-190FKFSHA                             | AVWT-190FKFSHA                         | AVWT-190FKFSHA                         | AVWT-190FKFSHA                         |  |
|                                       |                                       | AVWT-170FKFSHA                             | AVWT-190FKFSHA                         | AVWT-190FKFSHA                         | AVWT-190FKFSHA                         |  |
| Power Supply                          |                                       | AC 3Φ, 380-415V/50/60Hz                    |  |  |  |  |
| Cooling                               | Capacity                              | 212.0                                      | 218.0                                  | 224.0                                  | 229.5                                  |  |
|                                       | Capacity                              | 723.3                                      | 743.8                                  | 764.3                                  | 783.1                                  |  |
|                                       | Power Input                           | 54.10                                      | 55.77                                  | 57.44                                  | 61.49                                  |  |
|                                       | EER                                   | 3.92                                       | 3.91                                   | 3.90                                   | 3.73                                   |  |
| Heating                               | Capacity (Max/Nom)                    | 238.0/212.0                                | 245.0/218.0                            | 252.0/224.0                            | 258.0/229.5                            |  |
|                                       | Capacity                              | 812.1/723.3                                | 835.9/743.8                            | 859.8/764.3                            | 880.3/783.1                            |  |
|                                       | Power Input (Max/Nom)                 | 59.44/50.56                                | 61.22/52.08                            | 63.00/53.60                            | 67.43/56.69                            |  |
|                                       | COP (Max/Nom)                         | 4.00/4.19                                  | 4.00/4.19                              | 4.00/4.18                              | 3.83/4.05                              |  |
| Ventilation                           | Air Flow Rate                         | 1296                                       | 1348                                   | 1400                                   | 1400                                   |  |
|                                       | Fan Quantity                          | 8  | 8                                      | 8                                      | 8                                      |  |
|                                       | Static Pressure                       | 110  | 110                                    | 110                                    | 110                                    |  |
| Sound Pressure Level (Normal/ Silent) |                                       | 69/60                                      | 69/59                                  | 69/58                                  | 69/58                                  |  |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |  |  |  |  |
|                                       | Compressor Quantity                   | 8  | 8                                      | 8                                      | 8                                      |  |
| Refrigerant                           | Type                                  | R410A                                      |  |  |  |  |
|                                       | Pre-charged Quantity                  | 44.20                                      | 45.10                                  | 46.00                                  | 46.00                                  |  |
| Weight                                | Net Weight                            | 1558                                       | 1581                                   | 1604                                   | 1605                                   |  |
|                                       | Gross Weight                          | 1704                                       | 1730                                   | 1756                                   | 1757                                   |  |
| Dimensions                            | External(HxWxD)                       | mm   | 1730x<br>(1350+1350+1600+1600)<br>x750 | 1730x<br>(1350+1600+1600+1600)<br>x750 | 1730x<br>(1600+1600+1600+1600)<br>x750 | 1730x<br>(1600+1600+1600+1600)<br>x750 |
|                                       |                                       | Packing(HxWxD)                             | mm                                     | 1950x<br>(1420+1420+1665+1665)<br>x790 | 1950x<br>(1420+1665+1665+1665)<br>x790 | 1950x<br>(1665+1665+1665+1665)<br>x790 |
|                                       | Cabinet Color                         |  | Ivory White                            |  |  |  |
|                                       |                                       | Heat Recovery Operation System             | Low Pressure Gas Line                  | mm(in.)                                | φ50.8(2)                               | φ50.8(2)                               |
| Heat Pump Operation System            | High/Low Pressure Gas Line            | mm(in.)                                    | φ44.5(1-3/4)                           | φ44.5(1-3/4)                           | φ44.5(1-3/4)                           | φ44.5(1-3/4)                           |
|                                       | Liquid Line                           | mm(in.)                                    | φ25.4(1)                               | φ25.4(1)                               | φ25.4(1)                               | φ25.4(1)                               |
|                                       | Gas Line                              | mm(in.)                                    | φ50.8(2)                               | φ50.8(2)                               | φ50.8(2)                               | φ50.8(2)                               |
| Connectable Indoor Units              | Liquid Line                           | mm(in.)                                    | φ25.4(1)                               | φ25.4(1)                               | φ25.4(1)                               | φ25.4(1)                               |
|                                       | Quantity                              | pcs  | 64                                     | 64                                     | 64                                     | 64                                     |
| Piping Design                         | Total Capacity                        | -  | 200%*1                                 | 200%*1                                 | 200%*1                                 | 200%*1                                 |
|                                       | Height Difference Between ODU and IDU | m(above)                                   | 50(90*)                                | 50(90*)                                | 50(90*)                                | 50(90*)                                |
|                                       |                                       | m(below)                                   | 40(90*)                                | 40(90*)                                | 40(90*)                                | 40(90*)                                |
|                                       | Height Difference Between IDUs        | m  | 15(30*)                                | 15(30*)                                | 15(30*)                                | 15(30*)                                |
| Max. Piping Length                    | m                                     | 165  | 165                                    | 165                                    | 165                                    |  |
| Operation Range                       | Cooling                               | DB   | -10°C~52°C                             | -10°C~52°C                             | -10°C~52°C                             | -10°C~52°C                             |
|                                       | Heating                               | WB   | -25°C~16.5°C                           | -25°C~16.5°C                           | -25°C~16.5°C                           | -25°C~16.5°C                           |

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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.  
 \*\*2: For detailed information, please contact with Hisense technical engineers.

## Hi-FLEXi S Heat Recovery (High Efficiency)



| HP                                    |                                       | 84HP                                       | 86HP                                   | 88HP                                   |  |
|---------------------------------------|---------------------------------------|--|--|--|--|
| Model                                 | Model                                 | AVWT-804FKFSHA                             | AVWT-826FKFSHA                         | AVWT-848FKFSHA                         |  |
|                                       | Modules                               | AVWT-212FKFSHA                             | AVWT-212FKFSHA                         | AVWT-212FKFSHA                         |  |
|                                       |                                       | AVWT-190FKFSHA                             | AVWT-212FKFSHA                         | AVWT-212FKFSHA                         |  |
|                                       |                                       | AVWT-190FKFSHA                             | AVWT-212FKFSHA                         | AVWT-212FKFSHA                         |  |
| Power Supply                          |                                       | AC 3Φ, 380-415V/50/60Hz                    |  |  |  |
| Cooling                               | Capacity                              | 235.0                                      | 240.5                                  | 246.0                                  |  |
|                                       | Capacity                              | kBtu/h                                     | 801.8                                  | 820.6                                  | 839.4                                  |
|                                       | Power Input                           | kW   | 65.54                                  | 69.59                                  | 73.64                                  |
|                                       | EER                                   | kW/kW                                      | 3.59                                   | 3.46                                   | 3.34                                   |
| Heating                               | Capacity (Max/Nom)                    | kW   | 264.0/235.0                            | 270.0/240.5                            | 276.0/246.0                            |
|                                       | Capacity (Max/Nom)                    | kBtu/h                                     | 900.8/801.8                            | 921.2/820.6                            | 941.7/839.4                            |
|                                       | Power Input (Max/Nom)                 | kW   | 71.86/59.78                            | 76.29/62.87                            | 80.72/65.96                            |
|                                       | COP (Max/Nom)                         | kW/kW                                      | 3.67/3.93                              | 3.54/3.83                              | 3.42/3.73                              |
| Ventilation                           | Air Flow Rate                         | m <sup>3</sup> /min                        | 1400                                   | 1400                                   | 1400                                   |
|                                       | Fan Quantity                          |  | 8                                      | 8                                      | 8                                      |
|                                       | Static Pressure                       | Pa   | 110                                    | 110                                    | 110                                    |
| Sound Pressure Level (Normal/ Silent) | dB(A)                                 | 70/58                                      | 70/58                                  | 70/58                                  |  |
| Compressor                            | Type                                  | Enhanced Vapor Injection Scroll Compressor |  |  |  |
|                                       | Compressor Quantity                   | pcs  | 8                                      | 8                                      | 8                                      |
| Refrigerant                           | Type                                  | R410A                                      |  |  |  |
|                                       | Pre-charged Quantity                  | kg   | 46.00                                  | 46.00                                  | 46.00                                  |
| Weight                                | Net Weight                            | kg   | 1606                                   | 1607                                   | 1608                                   |
|                                       | Gross Weight                          | kg   | 1758                                   | 1759                                   | 1760                                   |
| Dimensions                            | External(HxWxD)                       | mm   | 1730x<br>(1600+1600+1600+1600)<br>x750 | 1730x<br>(1600+1600+1600+1600)<br>x750 | 1730x<br>(1600+1600+1600+1600)<br>x750 |
|                                       | Packing(HxWxD)                        | mm   | 1950x<br>(1665+1665+1665+1665)<br>x790 | 1950x<br>(1665+1665+1665+1665)<br>x790 | 1950x<br>(1665+1665+1665+1665)<br>x790 |
|                                       |                                       | Cabinet Color                              |  | Ivory White                            | Ivory White                            |
|                                       | Heat Recovery Operation System        | Low Pressure Gas Line                      | mm(in.)                                | Φ50.8(2)                               | Φ50.8(2)                               |
| High/Low Pressure Gas Line            |                                       | mm(in.)                                    | Φ44.5(1-3/4)                           | Φ44.5(1-3/4)                           | Φ44.5(1-3/4)                           |
| Liquid Line                           |                                       | mm(in.)                                    | Φ25.4(1)                               | Φ25.4(1)                               | Φ25.4(1)                               |
| Heat Pump Operation System            | Gas Line                              | mm(in.)                                    | Φ50.8(2)                               | Φ50.8(2)                               | Φ50.8(2)                               |
|                                       | Liquid Line                           | mm(in.)                                    | Φ25.4(1)                               | Φ25.4(1)                               | Φ25.4(1)                               |
| Connectable Indoor Units              | Quantity                              | pcs  | 64                                     | 64                                     | 64                                     |
|                                       | Total Capacity                        | -  | 200%*1                                 | 200%*1                                 | 200%*1                                 |
| Piping Design                         | Height Difference Between ODU and IDU | m(above)                                   | 50(90°)                                | 50(90°)                                | 50(90°)                                |
|                                       | Height Difference Between IDUs        | m(below)                                   | 40(90°)                                | 40(90°)                                | 40(90°)                                |
|                                       | Max. Piping Length                    | m  | 15(30°)                                | 15(30°)                                | 15(30°)                                |
| Operation Range                       | Cooling                               | DB   | -10°C-52°C                             | -10°C-52°C                             | -10°C-52°C                             |
|                                       | Heating                               | WB   | -25°C-16.5°C                           | -25°C-16.5°C                           | -25°C-16.5°C                           |

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 above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.  
 \*\*2: For detailed information, please contact with Hisense technical engineers.

## Switch Box

### Introduction

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

### Advantage

- Compact body and convenient installation.
- Enrich the products (1,4,8,12,16).
- Maximize capacity to 16kW or more.
- Require no drain pipes or drainage connections.
- Combine between single branch and multi-branch flexibility.



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

# Hydro Box

## Specification for Hydro Box

| Model                                 |                                | AHM-080FJFAA                             | AHM-160FJFAA     |
|---------------------------------------|--------------------------------|--|------------------|
| Power Supply                          |                                | AC 1Φ, 220~240V/50Hz<br>AC 1Φ, 220V/60Hz |                  |
| Cooling Capacity (A 35/24°C/W 12~7°C) |                                | 7.5                                      | 12.5             |
| Heating Capacity (A 7/6°C/W 30~35°C)  | kW                             | 8  | 16               |
| Power Input                           | kW                             | 0.08(3.08)                               | 0.14(3.14)       |
| Dimensions                            | H × W × D                      | 890 × 520 × 320                          | 890 × 520 × 320  |
| Packing Dimensions                    | H × W × D                      | 1120 × 595 × 462                         | 1120 × 595 × 462 |
| Weight                                | Net                            | 55                                       | 58               |
|                                       | Gross                          | 72                                       | 75               |
| Heat Exchanger                        |                                | Plate Heat Exchanger                     |                  |
| Heat Exchanger Insulation Material    |                                | Elastomeric Foam                         |                  |
| Water Production                      | Heating                        | °C                                       | 20 to 55         |
|                                       | DHW(with electric heater)      | °C                                       | 35 to 75         |
| Sound Pressure                        | Cooling                        | °C                                       | 5 to 20          |
|                                       |                                |  |                  |
| Sound Power                           |                                |  |                  |
| Piping Connections                    | Gas                            | mm                                       | φ15.88           |
|                                       | Liquid                         | mm                                       | φ9.53            |
| Water Pump                            | Type                           |  | DC Motor         |
|                                       | Speed                          |  | Inverter Control |
|                                       | Pumping Head                   | m  | 12.5             |
|                                       | Pumping Head for Water Circuit |  | 5                |
| Booster Heating                       | Power Input                    | w  | 160              |
|                                       |                                | kW                                       | 3                |
| Water Filter                          | Diameter Perforations          | mm                                       | 0.85             |
|                                       | Material                       |  | Hpb59-1          |
| Water Circuit                         | Piping Connections Diameter    | mm                                       | G1-1/4"          |
|                                       | Shut off Valve                 |  | Yes              |
|                                       | Drain Valve                    |  | Yes              |
|                                       | Safety Valve                   | Bar                                      | 3                |
|                                       | Air Purge Valve                |  | Yes              |
| Nominal Water                         |                                | m³/h                                     | 1.38             |
| Expansion Vessel                      | Volume                         | L  | 8                |
|                                       | Max. Water Pressure            | Bar                                      | 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          |

### Indoor Unit Heating

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

### Hydro Box Cooling

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

### Hydro Box Heating (Floor Heating)

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

### Hydro Box Heating (DHW)

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



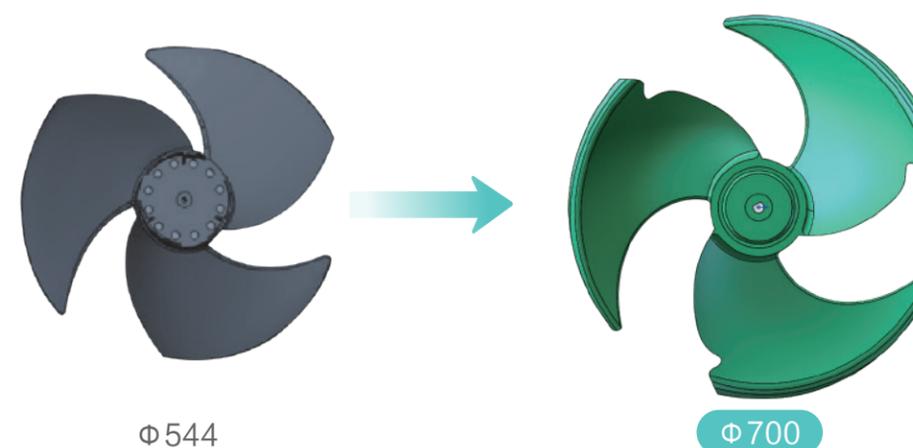
# Hi-Smart Series

## High Efficiency

The outdoor unit features a new generation of wide-diameter fans, with the fan diameter increased from 544mm to 700mm (600mm for single-fan unit). This upgrade results in a 44% increase in airflow at the same rotational speed, enhancing energy efficiency at lower speeds and boosting cooling capacity at higher speeds. Additionally, the unit is equipped with a DC inverter motor that enables precise speed control, ensuring stable and efficient operation.



Advanced corrugated fin



## Eco-friendly R32 Refrigerant

R32 refrigerant contributes to meeting the F-gas regulation targets as described in EU regulation 517/2014. Hisense HVAC introduces the Lower GWP refrigerant R32 on its VRF products, which is a perfect solution for attaining the CO<sub>2</sub> emission targets.

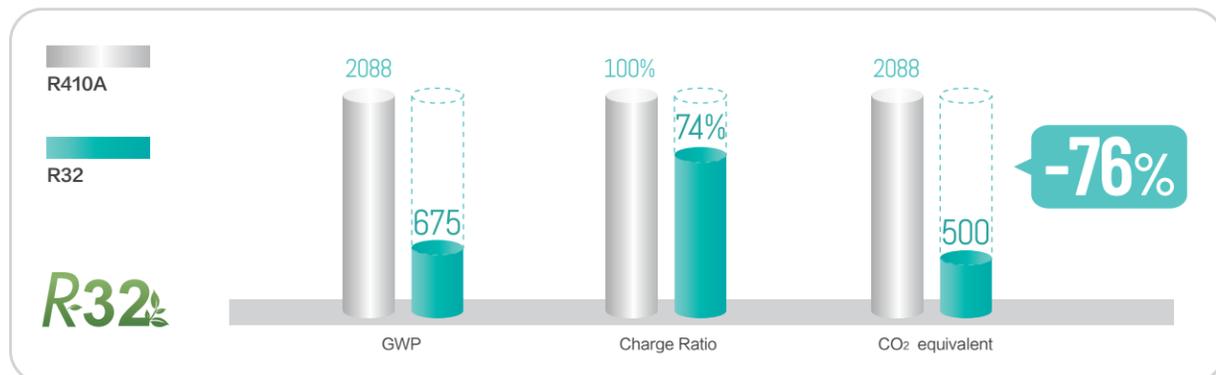
### Features

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



## Less refrigerant, less CO<sub>2</sub>-EQ emissions

By using the R32 refrigerant with a low Global Warming Potential (GWP) and the Hi-Smart H5 system's reduced refrigerant charge, the overall CO<sub>2</sub> equivalent emissions can be lowered by 76% compared to the traditional R410A products.



## Multiple Measures Ensuring Room Safety

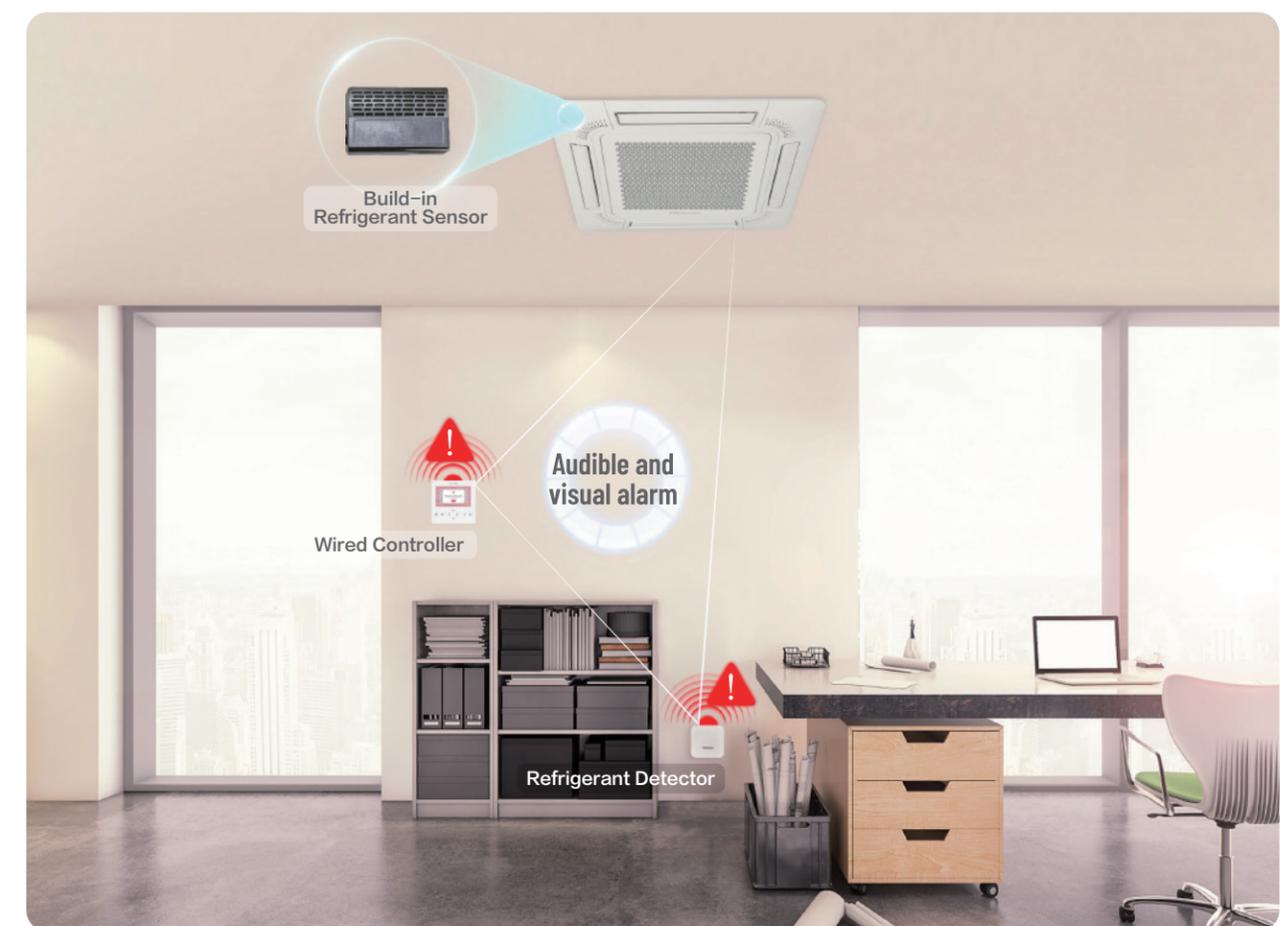
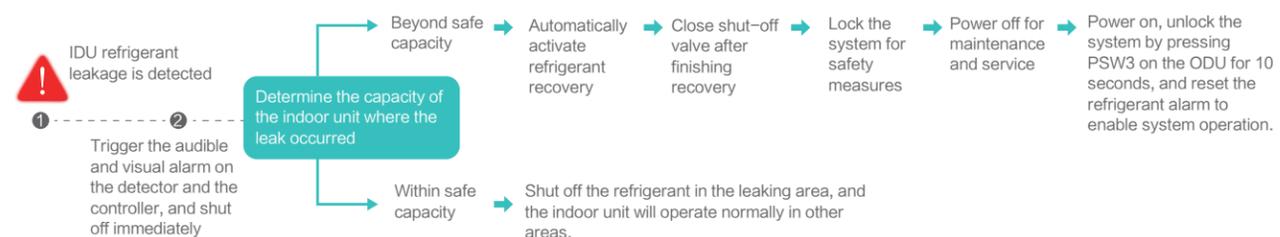
### Refrigerant Leakage Detection

Real-time refrigerant leakage detection is essential for R32 refrigerant system. If the refrigerant concentration exceeds 5000ppm, the indoor unit will stop operation, and trigger the audible and visual alarm. It can also be linked to any third-party alarm system or ventilation system.

### Refrigerant Recovery

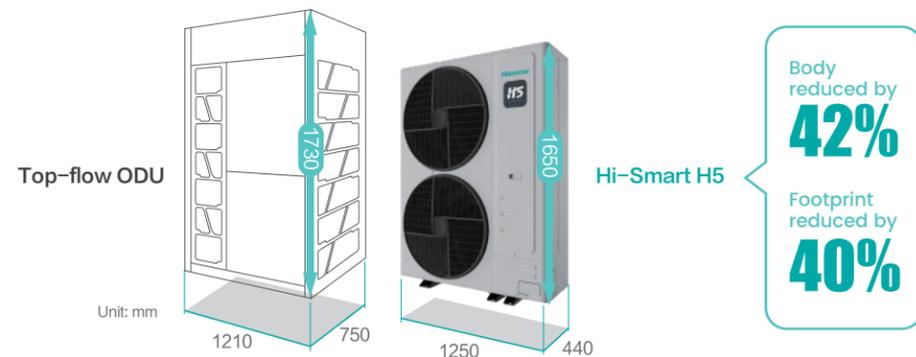
In the event of a refrigerant leak, our system triggers alarms and shuts down. If the leak occurs in an indoor unit that exceeds the safe capacity, the system immediately activates refrigerant recovery. Furthermore, in the event of a sudden power outage, the shut-off box automatically closes the valves to prevent leaks.

### The Progress of Refrigerant Recovery



## Slim and Compact Footprint

The H5 unit, with its smaller footprint and compact body compared to the last generation S Series top-flow unit for the same capacity, enables the utilization of the saved rooftop space for a green roof. This enhances the building's aesthetics.

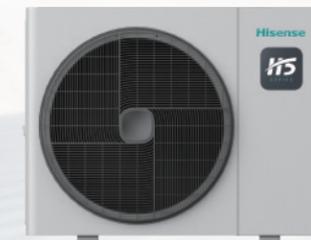


## Anywhere & Everywhere

Thanks to its slim modular design, H5 offers unrivaled flexibility of installation location. Save your building's most valuable area, and place H5 in the small narrow spaces of your building. On the rooftop, balcony, or indoors; you choose!



## Hi-Smart H5 Series



|  |   | HP                  | 4HP                     | 5HP               | 6HP               |
|--|---|---------------------|-------------------------|-------------------|-------------------|
| Model                                  | AC 1 φ, 220-240V/50/60Hz                |                     | AVW-41HJDH2H1           | AVW-48HJDH2H1     | AVW-54HJDH2H1     |
|  | AC 3 φ, 380-415V/50/60Hz                |                     | AVW-41HKDH2H1           | AVW-48HKDH2H1     | AVW-54HKDH2H1     |
| Cooling                                | Capacity                                | kW                  | 12.1                    | 14.0              | 15.5              |
|  |   | kBtu/h              | 41.5                    | 48.0              | 53.0              |
|  | Power Input                             | kW                  | 3.30                    | 4.24              | 4.70              |
|  | EER                                     | kW/kW               | 3.67                    | 3.30              | 3.30              |
|  | SEER                                    | kW/kW               | 8.20                    | 7.90              | 7.90              |
| Heating                                | Capacity (Max/Nom)                      | kW                  | 14.2/12.1               | 16.0/14.0         | 18.0/15.5         |
|  |   | kBtu/h              | 48.0/41.5               | 54.5/48.0         | 61.5/53.0         |
|  | Power Input (Max/Nom)                   | kW                  | 3.60/2.63               | 4.10/3.18         | 4.80/3.52         |
|  | COP (Max/Nom)                           | kW/kW               | 3.94/4.60               | 3.90/4.40         | 3.75/4.40         |
|  | SCOP                                    | kW/kW               | 5.00                    | 4.65              | 4.60              |
| Air Flow Rate                          |   | m <sup>3</sup> /min | 80                      | 80                | 80                |
| Sound Pressure Level (Cooling/Heating) |   | dB(A)               | 52/52                   | 53/53             | 54/54             |
| Refrigerant                            | Type                                    |                     | R32                     |                   |                   |
|  | Pre-charged Quantity                    | kg                  | 2                       | 2                 | 2                 |
| Weight                                 | Net Weight (Single-phase/Three-phase)   | kg                  | 94/95                   | 94/95             | 94/95             |
|  | Gross Weight (Single-phase/Three-phase) | kg                  | 109/110                 | 109/110           | 109/110           |
|  | Dimensions                              |                     |                         |                   |                   |
|  | Net (H × W × D)                         | mm                  | 840 × 1100 × 390        | 840 × 1100 × 390  | 840 × 1100 × 390  |
|  | Packing (H × W × D)                     | mm                  | 1000 × 1185 × 530       | 1000 × 1185 × 530 | 1000 × 1185 × 530 |
| Cabinet Color                          |   |                     | Grayish White           | Grayish White     | Grayish White     |
| Ref. Piping                            | Gas                                     | mm                  | 15.88                   | 15.88             | 15.88             |
|  |   | inch                | 5/8                     | 5/8               | 5/8               |
|  | Liquid                                  | mm                  | 9.53                    | 9.53              | 9.53              |
|  |   | inch                | 3/8                     | 3/8               | 3/8               |
| Connectable Indoor Units               | Quantity                                | pcs                 | 10                      | 12                | 13                |
|  | Connection Ratio                        |                     | 50%~150%                | 50%~150%          | 50%~150%          |
|  | Max. Piping Length                      | m                   | 80                      | 80                | 80                |
| Piping Design                          | Height Difference Between ODU and IDU   | m (OD higher)       | 50                      | 50                | 50                |
|  |   | m (OD lower)        | 40                      | 40                | 40                |
|  | Height Difference Between IDUs          | m                   | 15                      | 15                | 15                |
| Operation Range                        | Cooling                                 | DB °C               | -10 ~ 52                |                   |                   |
|  | Heating                                 | WB/DB °C            | -25.5 ~ 15.5 / -25 ~ 26 |                   |                   |

Note:  
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:  
 Cooling conditions: indoor air inlet temperature: 27°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. During cooling (48~52°C) or heating (23~26°C) operations, the unit may operate intermittently.  
 3. The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100% combination of 4-way cassette indoor units.

## Hi-Smart H5 Series

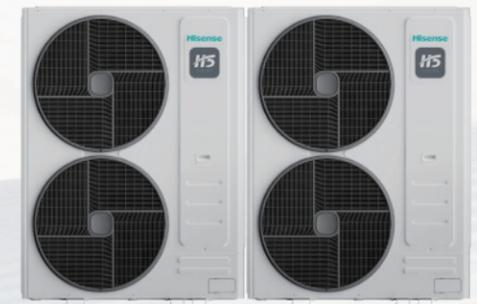


| HP                                     |                                       | 8HP                            | 10HP                  | 12HP          | 14HP          | 16HP          |             |
|--|---------------------------------------|--------------------------------|-----------------------|---------------|---------------|---------------|-------------|
| Model                                  |                                       | AVW-76HKDHE2                   | AVW-96HKDHE2          | AVW-114HKDHE2 | AVW-136HKDHE2 | AVW-154HKDHE2 |             |
| Combination                            |                                       | AVW-76HKDHE2                   | AVW-96HKDHE2          | AVW-114HKDHE2 | AVW-136HKDHE2 | AVW-154HKDHE2 |             |
| Power Supply                           |                                       | AC 3 $\phi$ , 380-415V/50/60Hz |                       |               |               |               |             |
| Cooling                                | Capacity                              | kW                             | 22.4                  | 28.0          | 33.5          | 40.0          | 45.0        |
|  |                                       | kBtu/h                         | 76.4                  | 95.5          | 114.3         | 136.5         | 153.5       |
|  | Power Input                           | kW                             | 5.89                  | 7.57          | 9.31          | 11.43         | 13.24       |
|  | EER                                   | kW/kW                          | 3.80                  | 3.70          | 3.60          | 3.50          | 3.40        |
|  | SEER                                  | -                              | 7.97                  | 8.57          | 8.53          | 7.57          | 7.43        |
| Heating                                | Capacity (Max./Nom.)                  | kW                             | 25.0/22.4             | 31.5/28.0     | 37.5/33.5     | 45.0/40.0     | 50.0/45.0   |
|  |                                       | kBtu/h                         | 85.3/76.4             | 107.5/95.5    | 127.9/114.3   | 153.5/136.5   | 170.6/153.5 |
|  | Power Input (Max./Nom.)               | kW                             | 5.32/4.57             | 7.00/5.96     | 9.15/7.70     | 10.98/9.30    | 12.20/10.71 |
|  | COP (Max./Nom.)                       | kW/kW                          | 4.70/4.90             | 4.50/4.70     | 4.10/4.35     | 4.10/4.30     | 4.10/4.20   |
|  | SCOP                                  | -                              | 5.50                  | 4.80          | 4.89          | 4.75          | 4.85        |
| Air Flow Rate                          | m <sup>3</sup> /min                   | 212                            | 212                   | 212           | 287           | 287           |             |
| Sound Pressure Level (Cooling/Heating) | dB(A)                                 | 54/57                          | 55/58                 | 55/58         | 61/62         | 62/65         |             |
| Refrigerant                            | Type                                  | R32                            |                       |               |               |               |             |
|  | Pre-charged Quantity                  | kg                             | 4.0                   | 4.5           | 5.7           | 6.0           | 6.0         |
| Weight                                 | Net Weight                            | kg                             | 191                   | 192           | 193           | 215           | 216         |
|  | Gross Weight                          | kg                             | 209                   | 210           | 211           | 233           | 234         |
| Dimensions                             | Net (H x W x D)                       | mm 1650 x 1250 x 440           |                       |               |               |               |             |
|  | Packing (H x W x D)                   | mm 1810 x 1350 x 580           |                       |               |               |               |             |
| Cabinet Color                          |                                       | Grayish White                  |                       |               |               |               |             |
| Ref. Piping                            | Gas                                   | mm                             | 22.2                  | 22.2          | 25.4          | 25.4          | 28.6        |
|  |                                       | inch                           | 7/8                   | 7/8           | 8/8           | 8/8           | 9/8         |
|  | Liquid                                | mm                             | 9.53                  | 9.53          | 12.7          | 12.7          | 12.7        |
|  |                                       | inch                           | 3/8                   | 3/8           | 4/8           | 4/8           | 4/8         |
| Connectable Indoor Units               | Quantity                              | pcs                            | 17                    | 21            | 26            | 31            | 34          |
|  | Connection Ratio                      | -                              | 30%~200%              |               |               |               |             |
| Piping Design                          | Total Piping Length                   | m                              | 500                   | 500           | 500           | 500           | 500         |
|  | Max. piping Length                    | m (Actual)                     | 150                   | 150           | 150           | 150           | 150         |
|  |                                       | m (Equivalent)                 | 165                   | 165           | 165           | 165           | 165         |
|  | Height difference between ODU and IDU | m (ODU Up)                     | 50                    | 50            | 50            | 50            | 50          |
|  |                                       | m (ODU Down)                   | 40                    | 40            | 40            | 40            | 40          |
| Height Difference Between IDUs         | m                                     | 40                             | 40                    | 40            | 40            | 40            |             |
| Operation Range                        | Cooling                               | DB                             | -10~55°C              |               |               |               |             |
|  | Heating                               | WB/DB                          | -25~-16.5°C/-24~-23°C |               |               |               |             |

## Notes:

- 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.
  - The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-Way Cassette indoor units.
  - The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 0.92m from the floor level.
  - The final appearance of outdoor units is subject to the actual products.
  - The dip switch DSW1-4 of outdoor PCB must set ON. This value is measured from the air outlet grille of the outdoor unit.
  - Under cooling operation, where the temperature is higher than 52°C, the system may work under intermittent operation.
  - A connection ratio of 30%~50% is suitable for phased installation, and 150%~200% is for cooling-only applications.
- \*1 If you have any questions, please contact with the technical engineer.

## Hi-Smart H5 Series



| HP                                     |                                       | 18HP                           | 20HP                  | 22HP          | 24HP          |             |
|--|---------------------------------------|--------------------------------|-----------------------|---------------|---------------|-------------|
| Model                                  |                                       | AVW-170HKDHE2                  | AVW-190HKDHE2         | AVW-212HKDHE2 | AVW-232HKDHE2 |             |
| Combination                            |                                       | AVW-76HKDHE2                   | AVW-96HKDHE2          | AVW-96HKDHE2  | AVW-114HKDHE2 |             |
| Power Supply                           |                                       | AVW-96HKDHE2                   | AVW-96HKDHE2          | AVW-114HKDHE2 | AVW-114HKDHE2 |             |
| Power Supply                           |                                       | AC 3 $\phi$ , 380-415V/50/60Hz |                       |               |               |             |
| Cooling                                | Capacity                              | kW                             | 50.4                  | 56.0          | 61.5          | 67.0        |
|  |                                       | kBtu/h                         | 171.9                 | 191.0         | 209.8         | 228.6       |
|  | Power Input                           | kW                             | 13.5                  | 15.1          | 16.9          | 18.6        |
|  | EER                                   | kW/kW                          | 3.74                  | 3.70          | 3.64          | 3.60        |
|  | SEER                                  | kW/kW                          | 8.29                  | 8.57          | 8.55          | 8.53        |
| Heating                                | Capacity (Max./Nom.)                  | kW                             | 56.5/50.4             | 63.0/56.0     | 69.0/61.5     | 75.0/67.0   |
|  |                                       | kBtu/h                         | 192.8/171.9           | 215.0/191.0   | 235.4/209.8   | 255.9/228.6 |
|  | Power Input (Max./Nom.)               | kW                             | 12.3/10.5             | 14.0/11.9     | 16.1/13.7     | 18.3/15.4   |
|  | COP (Max./Nom.)                       | kW/kW                          | 4.59/4.79             | 4.50/4.70     | 4.27/4.50     | 4.10/4.35   |
|  | SCOP                                  | kW/kW                          | 5.09                  | 4.80          | 4.85          | 4.89        |
| Air Flow Rate                          | m <sup>3</sup> /min                   | 424                            | 424                   | 424           | 424           |             |
| Sound Pressure Level (Cooling/Heating) | dB(A)                                 | 55/58                          | 55/58                 | 55/58         | 55/58         |             |
| Refrigerant                            | Type                                  | R32                            |                       |               |               |             |
|  | Pre-charged Quantity                  | kg                             | 9                     | 9             | 10            | 11          |
| Weight                                 | Net Weight                            | kg                             | 383                   | 384           | 385           | 386         |
|  | Gross Weight                          | kg                             | 419                   | 420           | 421           | 422         |
| Dimensions                             | Net (H x W x D)                       | mm 1650 x 1250 x 440           |                       |               |               |             |
|  | Packing (H x W x D)                   | mm 1810 x 1350 x 580           |                       |               |               |             |
| Cabinet Color                          |                                       | Grayish White                  |                       |               |               |             |
| Ref. Piping                            | Gas                                   | mm                             | 28.6                  | 28.6          | 28.6          | 28.6        |
|  |                                       | inch                           | 9/8                   | 9/8           | 9/8           | 9/8         |
|  | Liquid                                | mm                             | 15.88                 | 15.88         | 15.88         | 15.88       |
|  |                                       | inch                           | 5/8                   | 5/8           | 5/8           | 5/8         |
| Connectable Indoor Units               | Quantity                              | pcs                            | 36                    | 40            | 44            | 48          |
|  | Connection Ratio                      | -                              | 30%~200%              |               |               |             |
| Piping Design                          | Total Piping Length                   | m                              | 500                   | 500           | 500           | 500         |
|  | Max. piping Length                    | m (Actual)                     | 150                   | 150           | 150           | 150         |
|  |                                       | m (Equivalent)                 | 165                   | 165           | 165           | 165         |
|  | Height difference between ODU and IDU | m (ODU Up)                     | 50                    | 50            | 50            | 50          |
|  |                                       | m (ODU Down)                   | 40                    | 40            | 40            | 40          |
| Height Difference Between IDUs         | m                                     | 40                             | 40                    | 40            | 40            |             |
| Operation Range                        | Cooling                               | DB                             | -10~55°C              |               |               |             |
|  | Heating                               | WB/DB                          | -25~-16.5°C/-24~-23°C |               |               |             |

## Notes:

- 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.
  - The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-Way Cassette indoor units.
  - The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 0.92m from the floor level.
  - The final appearance of outdoor units is subject to the actual products.
  - The dip switch DSW1-4 of outdoor PCB must set ON. This value is measured from the air outlet grille of the outdoor unit.
  - Under cooling operation, where the temperature is higher than 52°C, the system may work under intermittent operation.
  - A connection ratio of 30%~50% is suitable for phased installation, and 150%~200% is for cooling-only applications.
- \*1 If you have any questions, please contact with the technical engineer.

## Hi-Smart H5 Series



| HP                                     |                                       | 26HP                    | 28HP                | 30HP          | 32HP          |             |
|--|---------------------------------------|-------------------------|---------------------|---------------|---------------|-------------|
| Model                                  |                                       | AVW-250HKDHE2           | AVW-272HKDHE2       | AVW-290HKDHE2 | AVW-308HKDHE2 |             |
| Combination                            |                                       | AVW-114HKDHE2           | AVW-136HKDHE2       | AVW-136HKDHE2 | AVW-154HKDHE2 |             |
|  |                                       | AVW-136HKDHE2           | AVW-136HKDHE2       | AVW-154HKDHE2 | AVW-154HKDHE2 |             |
| Power Supply                           |                                       | AC 3Φ, 380-415V/50/60Hz |                     |               |               |             |
| Cooling                                | Capacity                              | kW                      | 73.5                | 80.0          | 85.0          | 90.0        |
|  |                                       | kBtu/h                  | 250.8               | 273.0         | 290.0         | 307.0       |
|  | Power Input                           | kW                      | 20.7                | 22.9          | 24.7          | 26.5        |
|  | EER                                   | kW/kW                   | 3.54                | 3.50          | 3.45          | 3.40        |
|  | SEER                                  | kW/kW                   | 7.98                | 7.57          | 7.50          | 7.43        |
| Heating                                | Capacity (Max./Nom.)                  | kW                      | 82.5/73.5           | 90.0/80.0     | 95.0/85.0     | 100.0/90.0  |
|  |                                       | kBtu/h                  | 281.5/250.8         | 307.1/273.0   | 324.2/290.0   | 341.2/307.0 |
|  | Power Input (Max./Nom.)               | kW                      | 20.1/17.0           | 22.0/18.6     | 23.2/20.0     | 24.4/21.4   |
|  | COP (Max./Nom.)                       | kW/kW                   | 4.10/4.32           | 4.10/4.30     | 4.10/4.25     | 4.10/4.20   |
|  | SCOP                                  | kW/kW                   | 4.81                | 4.75          | 4.80          | 4.85        |
| Air Flow Rate                          | m <sup>3</sup> /min                   | 499                     | 574                 | 574           | 574           |             |
| Sound Pressure Level (Cooling/Heating) | dB(A)                                 | 59/60                   | 61/62               | 62/64         | 62/65         |             |
| Refrigerant                            | Type                                  | R32                     |                     |               |               |             |
|  | Pre-charged Quantity                  | kg                      | 12                  | 12            | 12            | 12          |
| Weight                                 | Net Weight                            | kg                      | 408                 | 430           | 431           | 432         |
|  | Gross Weight                          | kg                      | 444                 | 466           | 467           | 468         |
| Dimensions                             | Net (H × W × D)                       | mm 1650 × 1250 × 440    |                     |               |               |             |
|  | Packing (H × W × D)                   | mm 1810 × 1350 × 580    |                     |               |               |             |
| Cabinet Color                          |                                       | Grayish White           |                     |               |               |             |
| Ref. Piping                            | Gas                                   | mm                      | 31.75               | 31.75         | 31.75         | 31.75       |
|  |                                       | inch                    | 10/8                | 10/8          | 10/8          | 10/8        |
|  | Liquid                                | mm                      | 19.05               | 19.05         | 19.05         | 19.05       |
|  |                                       | inch                    | 6/8                 | 6/8           | 6/8           | 6/8         |
| Connectable Indoor Units               | Quantity                              | pcs                     | 52                  | 56            | 60            | 64          |
|  | Connection Ratio                      | -                       | 30% - 200%          |               |               |             |
| Piping Design                          | Total Piping Length                   | m                       | 500                 | 500           | 500           | 500         |
|  | Max. piping Length                    | m (Actual)              | 150                 | 150           | 150           | 150         |
|  |                                       | m (Equivalent)          | 165                 | 165           | 165           | 165         |
|  | Height difference between ODU and IDU | m (ODU Up)              | 50                  | 50            | 50            | 50          |
|  |                                       | m (ODU Down)            | 40                  | 40            | 40            | 40          |
| Height Difference Between IDUs         | m                                     | 40                      | 40                  | 40            | 40            |             |
| Operation Range                        | Cooling                               | DB                      | -10-55°C            |               |               |             |
|  | Heating                               | WB/DB                   | -25-16.5°C/-24-23°C |               |               |             |

- Notes:
- 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.
  - The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-Way Cassette indoor units.
  - The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.  
Measurement point: 1m from the service cover surface and 0.92m from the floor level.
  - The final appearance of outdoor units is subject to the actual products.
  - The dip switch DSW1-4 of outdoor PCB must set ON. This value is measured from the air outlet grille of the outdoor unit.
  - Under cooling operation, where the temperature is higher than 52°C, the system may work under intermittent operation.
  - A connection ratio of 30-50% is suitable for phased installation, and 150-200% is for cooling-only applications.
- \*1 If you have any questions, please contact with the technical engineer.

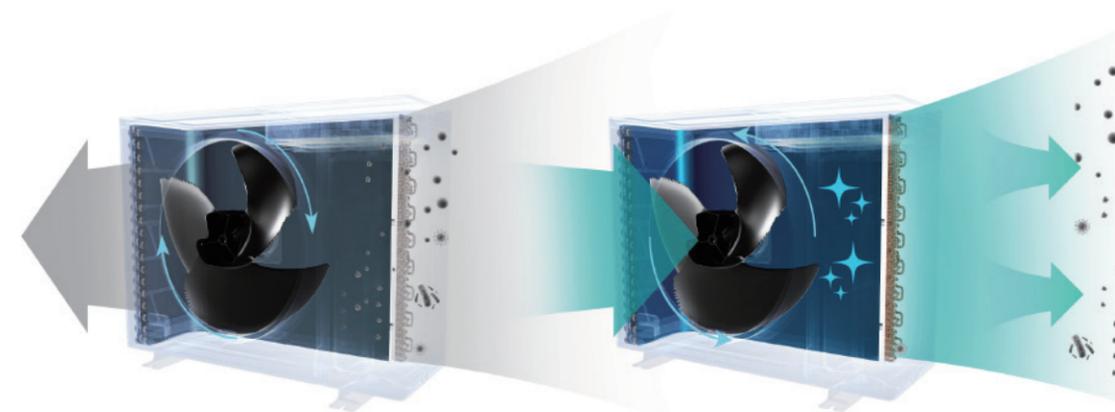
## Hi-Smart Series



### Dust-cleaning Technology



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

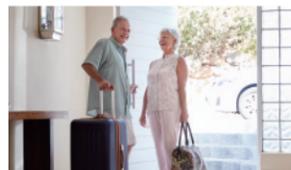


## 1W Standby Power Consumption

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



Transition season

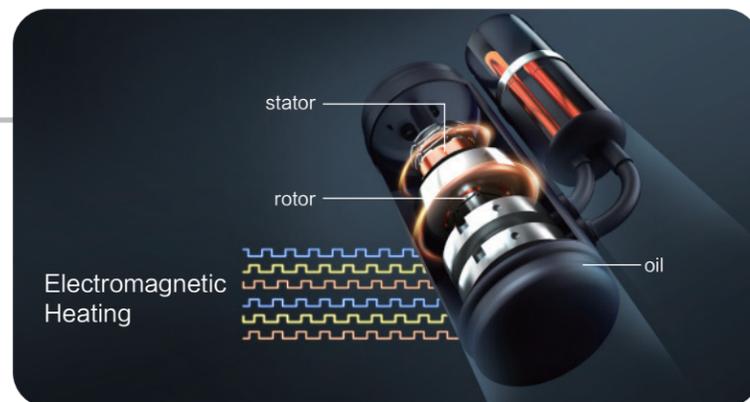


Leave home for a short time



## Electromagnetic Heating Technology

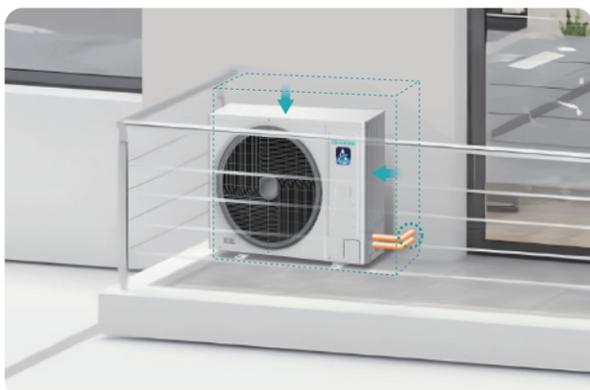
Hisense's innovative internal electromagnetic heating technology is used without external heating tape. The lubricating oil is heated by the compressor's fixed rotor for higher heating efficiency, significantly reducing the low-temperature preheating time and power consumption.



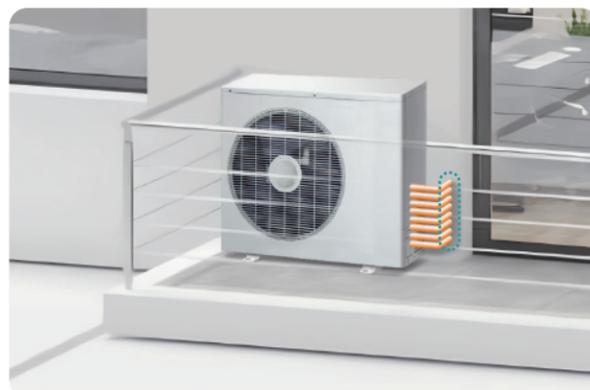
## Compact Size for Space-saving

With its compact size, the Hi-Smart A system outdoor unit take up less space to make your balcony or backyard for other essentials.

In addition, the mini VRF A-Series outdoor units require only a pair of pipes to connect to multiple indoor units , which reduces damage to walls and makes buildings more aesthetically pleasing.



Mini VRF



Multi split

## Four-way Piping Connection

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



## Flexible Air Discharge Directions

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

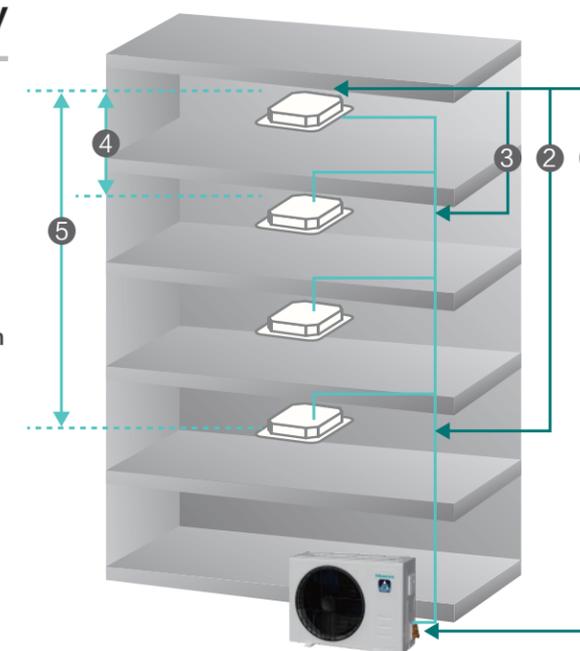


Note: Air outlet guide module SH-76CD/SH-34CD

## Long Piping for Design Flexibility

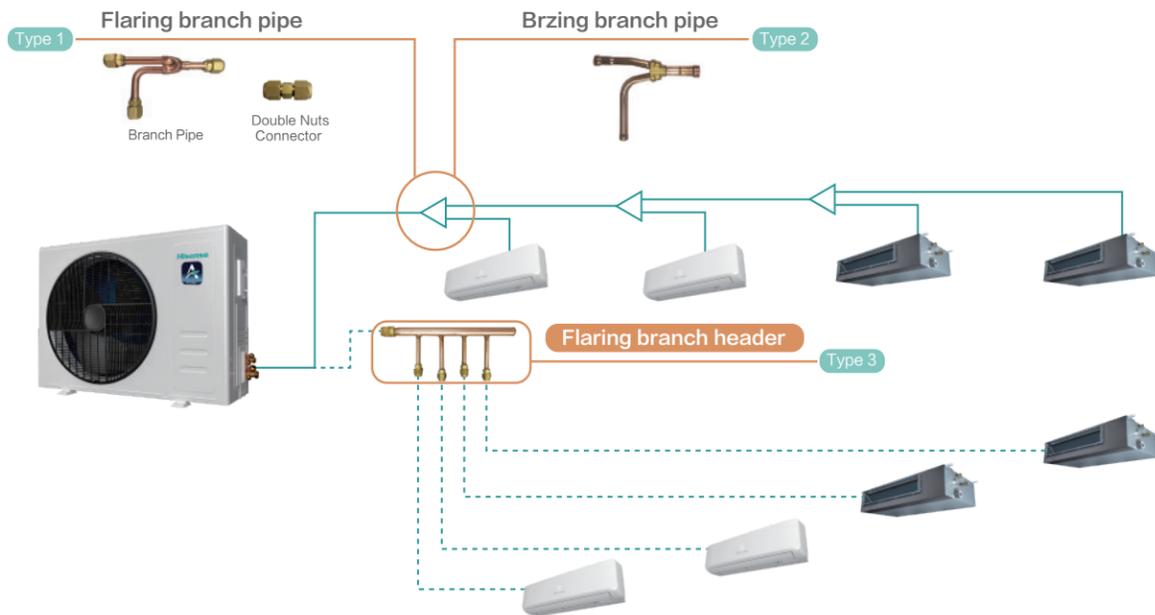
The Hi-Smart A provides long piping length possibility of 75m, with a total piping length of 120m. The height difference between IDU and ODU can be up to a maximum of 30m. These generous allowances facilitate system designs compared to the Multi-split system.

- ① Max.piping length: 75m
- ② Length between the first Branch Pipe and the farthest IDU: 30m
- ③ Length between IDU and the nearest branch pipe: 15m
- ④ Height difference between IDUs: 15m
- ⑤ Height difference between ODU and IDU: 30m



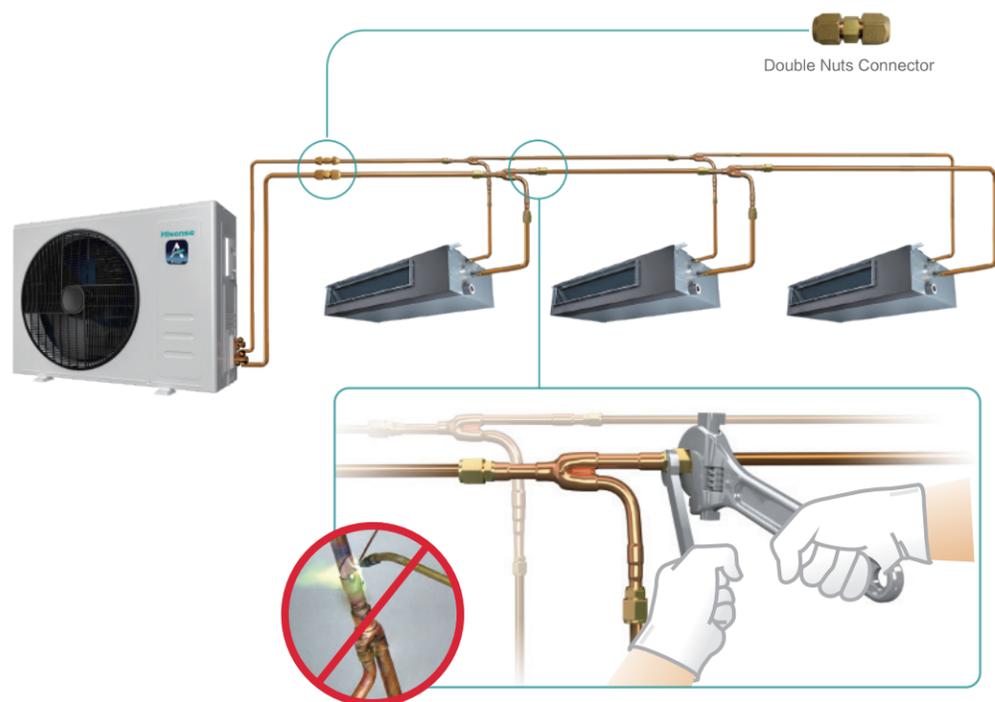
## Multiple Piping Connection Types

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



## Brazing Free for Easier Installation

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



## Hi-Smart A Series



|  |                                       | HP                  | 3                      | 3.5          | 4            | 5                | 6            |
|--|---------------------------------------|---------------------|------------------------|--------------|--------------|------------------|--------------|
|  |                                       | Model               | AVW-27HJFAH1           | AVW-34HJFAH1 | AVW-42HJFAH1 | AVW-48HJFAH1     | AVW-54HJFAH1 |
| Power Supply                           |                                       |                     | 1PH 220~240V 50Hz/60Hz |              |              |                  |              |
| Cooling                                | Capacity                              | kW                  | 8.0                    | 10.0         | 12.1         | 14.0             | 15.5         |
|  |                                       | kBtu/h              | 27.3                   | 34.1         | 41.3         | 47.8             | 52.9         |
|  | Power Input                           | kW                  | 2.22                   | 2.96         | 3.32         | 4.24             | 4.84         |
|  | EER                                   | kW/kW               | 3.60                   | 3.38         | 3.65         | 3.30             | 3.20         |
| Heating                                | SEER                                  |                     | 6.41                   | 6.91         | 8.11         | 7.91             | 7.80         |
|  | Capacity(Max./Nom.)                   | kW                  | 9.5/8.0                | 11.2/10.0    | 14.0/12.1    | 16.0/14.0        | 17.0/15.5    |
|  |                                       | kBtu/h              | 32.4/27.3              | 38.2/34.1    | 47.8/41.3    | 54.6/47.8        | 58.0/52.9    |
|  | Power Input(Max./Nom.)                | kW                  | 2.30/1.70              | 2.99/2.35    | 3.74/2.85    | 4.23/3.26        | 4.60/3.69    |
| COP(Max./Nom.)                         |                                       | kW/kW               | 4.14/4.70              | 3.74/4.25    | 3.74/4.25    | 3.78/4.30        | 3.70/4.20    |
|  | SCOP                                  |                     | 4.40                   | 4.30         | 4.70         | 4.70             | 4.65         |
| Air Flow Rate                          |                                       | m <sup>3</sup> /min | 45                     | 45           | 75           | 75               | 75           |
| Sound Pressure Level (Cooling/Heating) |                                       | dB(A)               | 52/54                  | 53/55        | 54/55        | 54/55            | 54/56        |
| Refrigerant                            | Type                                  | -                   | R410A                  |              |              |                  |              |
|  | Pre-charged Quantity                  | kg                  | 1.8                    | 1.8          | 2.0          | 3.0              | 3.0          |
| Weight                                 | Net Weight                            | kg                  | 50                     | 52           | 64           | 71               | 71           |
|  | Gross Weight                          | kg                  | 54                     | 55           | 77           | 83               | 83           |
| Dimensions                             | External (H × W × D)                  | mm                  | 670 × 900 × 320        |              |              | 770 × 980 × 360  |              |
|  | Packing (H × W × D)                   | mm                  | 717 × 1056 × 427       |              |              | 920 × 1100 × 505 |              |
| Ref. Piping                            | Gas                                   | mm                  | φ 15.88                | φ 15.88      | φ 15.88      | φ 15.88          | φ 15.88      |
|  |                                       | inch                | 5/8                    | 5/8          | 5/8          | 5/8              | 5/8          |
|  | Liquid                                | mm                  | φ 9.53                 | φ 9.53       | φ 9.53       | φ 9.53           | φ 9.53       |
|  |                                       | inch                | 3/8                    | 3/8          | 3/8          | 3/8              | 3/8          |
| Connectable Indoor Units               | Quantity                              | pcs                 | 1-5                    | 1-6          | 1-7          | 1-9              | 1-10         |
|  | Connection Ratio                      | -                   | 50%-150%               |              |              |                  |              |
| Piping Design                          | Max. total piping Length              | m                   | 40                     | 40           | 60           | 70               | 70           |
|  | Max. piping Length                    | m                   | 25                     | 25           | 50           | 60               | 60           |
|  | Height Difference Between ODU and IDU | m                   | 20                     | 20           | 30           | 30               | 30           |
|  | Height Difference Between IDUs        | m                   | 10                     | 10           | 15           | 15               | 15           |
| Operation Range                        | Cooling                               | DB                  | -5~59 °C*              |              |              |                  |              |
|  | Heating                               | WB/DB               | -21~17°C/-20~23°C      |              |              |                  |              |

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. \*: When outdoor ambient temperature is 55~59°C, Cooling operates intermittently.

## Hi-Smart A Series



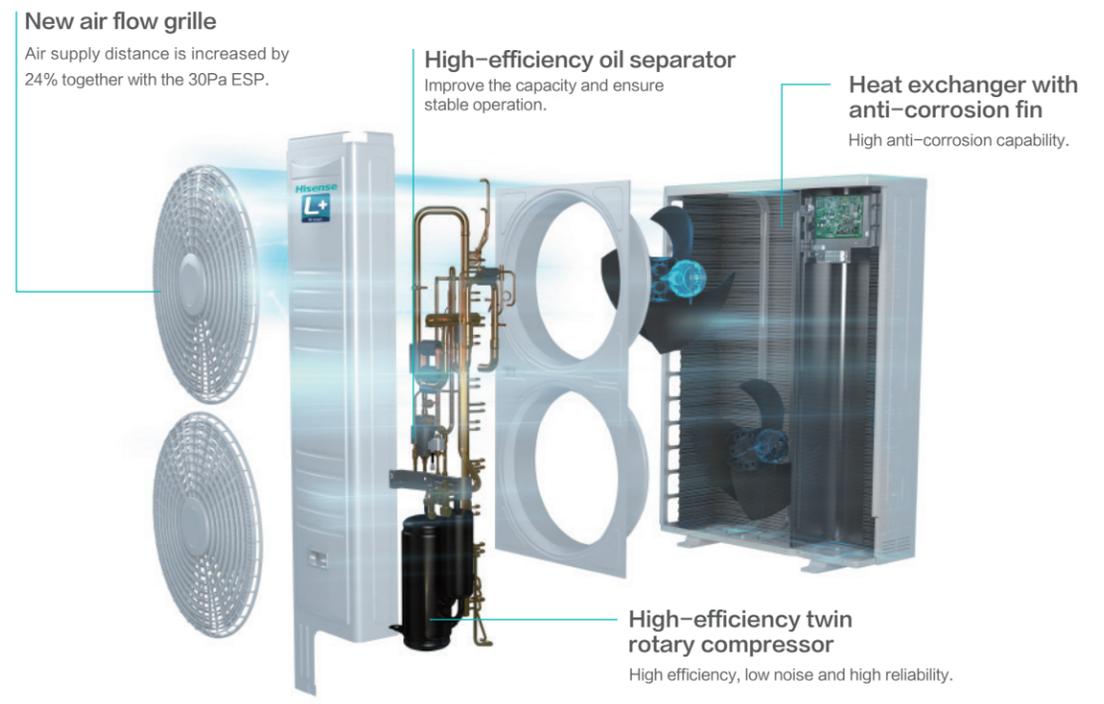
| HP                                     |                                       | 6.5                    | 7                 | 8            |           |
|--|---------------------------------------|------------------------|-------------------|--------------|-----------|
| Model                                  |                                       | AVW-63HJFAH1           | AVW-68HJFAH1      | AVW-76HJFAH1 |           |
| Power Supply                           |                                       | 1PH 220-240V 50Hz/60Hz |                   |              |           |
| Cooling                                | Capacity                              | kW                     | 18.1              | 20.0         | 22.4      |
|  |                                       | kBtu/h                 | 61.8              | 68.2         | 76.4      |
|  | Power Input                           | kW                     | 5.76              | 6.67         | 8.00      |
|  | EER                                   | kW/kW                  | 3.14              | 3.00         | 2.80      |
|  | SEER                                  |                        | 8.01              | 7.62         | 7.20      |
| Heating                                | Capacity(Max./Nom.)                   | kW                     | 20.0/18.1         | 22.4/20.0    | 25/22.4   |
|  |                                       | kBtu/h                 | 68.2/61.8         | 74.6/68.2    | 85.3/76.4 |
|  | Power Input(Max./Nom.)                | kW                     | 5.29/4.21         | 6.21/4.88    | 7.28/5.74 |
|  | COP(Max./Nom.)                        | kW/kW                  | 3.78/4.30         | 3.61/4.10    | 3.43/3.90 |
|  | SCOP                                  |                        | 4.90              | 4.70         | 4.50      |
| Air Flow Rate                          |                                       | m <sup>3</sup> /min    | 93                | 93           | 93        |
| Sound Pressure Level (Cooling/Heating) |                                       | dB(A)                  | 56/58             | 57/60        | 57/60     |
| Refrigerant                            | Type                                  |                        | R410A             |              |           |
|  | Pre-charged Quantity                  | kg                     | 3.8               | 3.8          | 3.8       |
| Weight                                 | Net Weight                            | kg                     | 97                | 97           | 97        |
|  | Gross Weight                          | kg                     | 110               | 110          | 110       |
| Dimensions                             | External (H×W×D)                      | mm                     | 1080×980×360      |              |           |
|  | Packing (H×W×D)                       | mm                     | 1230×1100×505     |              |           |
| Ref. Piping                            | Gas                                   | mm                     | φ19.05            | φ19.05       | φ19.05    |
|  |                                       | inch                   | 3/4               | 3/4          | 3/4       |
|  | Liquid                                | mm                     | φ9.53             | φ9.53        | φ9.53     |
|  |                                       | inch                   | 3/8               | 3/8          | 3/8       |
| Connectable Indoor Units               | Quantity                              | pcs                    | 2-11              | 2-12         | 2-13      |
|  | Connection Ratio                      |                        | 50%-150%          |              |           |
| Piping Design                          | Max. total piping Length              | m                      | 120               | 120          | 120       |
|  | Max. piping Length                    | m                      | 75                | 75           | 75        |
|  | Height Difference Between ODU and IDU | m                      | 30                | 30           | 30        |
|  | Height Difference Between IDUs        | m                      | 15                | 15           | 15        |
| Operation Range                        | Cooling                               | DB                     | -5-59 °C*         |              |           |
|  | Heating                               | WB/DB                  | -21-17°C/-20-23°C |              |           |

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. ※When outdoor ambient temperature is 55-59°C, Cooling operates intermittently.

## Hi-Smart L+ C+ Series



### High Performance Beyond Expectations

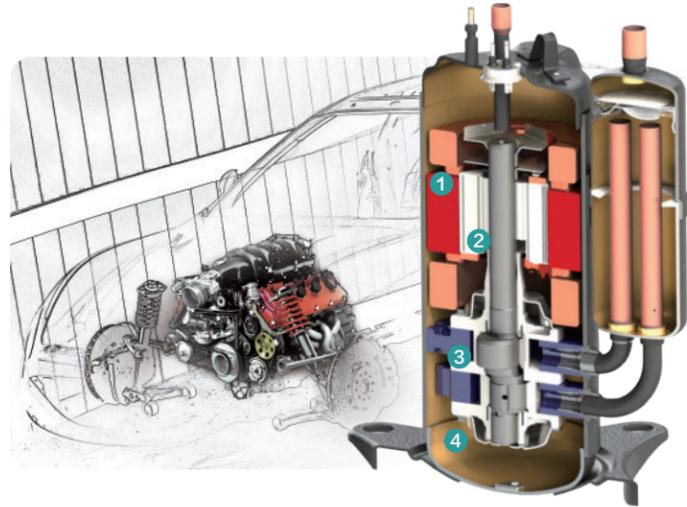


Take Hi-Smart L+ Series as an example.

## High-efficiency DC Inverter Compressor

A high-efficiency DC inverter dual rotary compressor is adopted. It features unique dual-pressure chamber design and symmetrical location, which can effectively reduce the vibration and noise and improve the compressor performance, especially the performance under low-frequency operation.

Moreover, the dual rotary compressor has a small lubricating oil injection volume with stable oil return, and comes with a gas-liquid separator, which makes the system more reliable.



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

## Patented 360° Fitted Refrigerant Cooling Technology

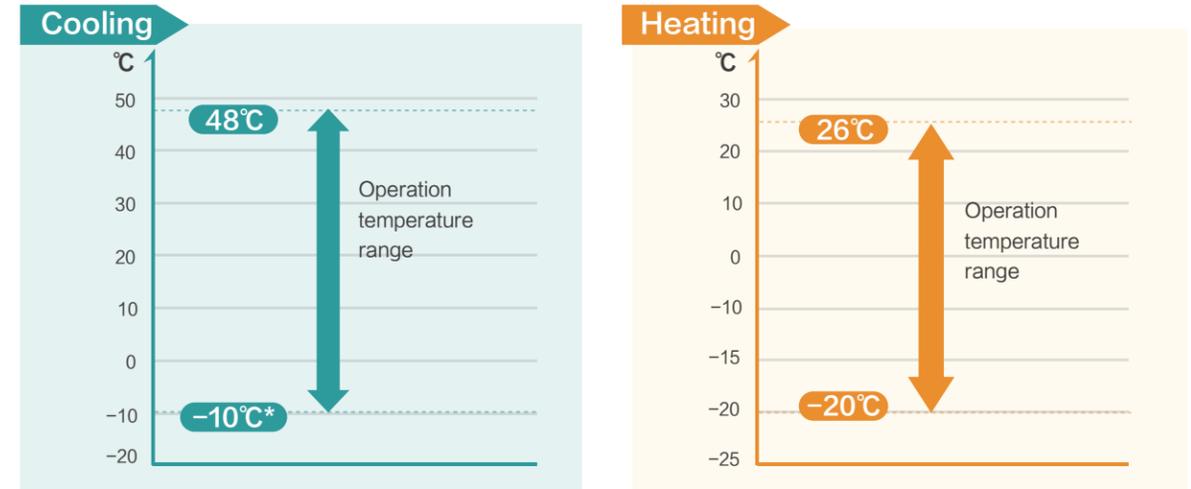
To maintain the lifespan of the delicate electronic components, the unit uses patented 360° fitted refrigerant cooling technology to cool the whole electronic box effectively. It can overcome poor heat dissipation and solve high ambient temperature issues inside the electronic box, maintaining an efficient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



Note: 1. Compared with air-cooled technology, the temperature in electric box can be reduced about by 10%.

## Wide Operating Range

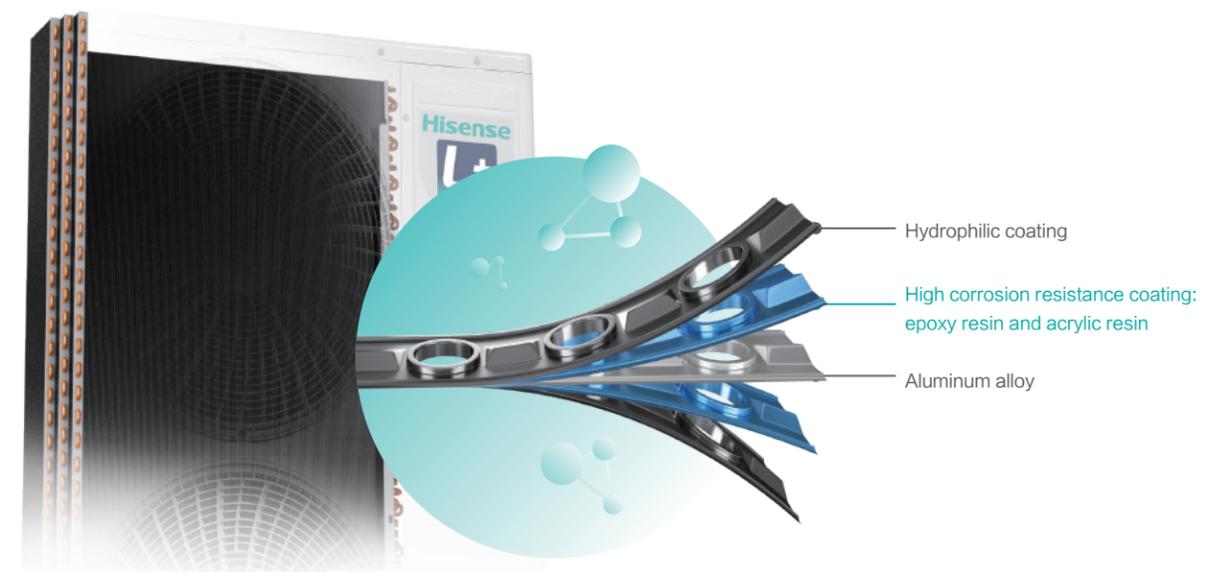
Extended operation range creates wider application potential, in cooling mode the operation range is from -10°C\* to 48°C and in heating mode the operation range is from -20°C to 26°C, which adapts to many extreme conditions.



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

## Dark Gray Fin (Standard)

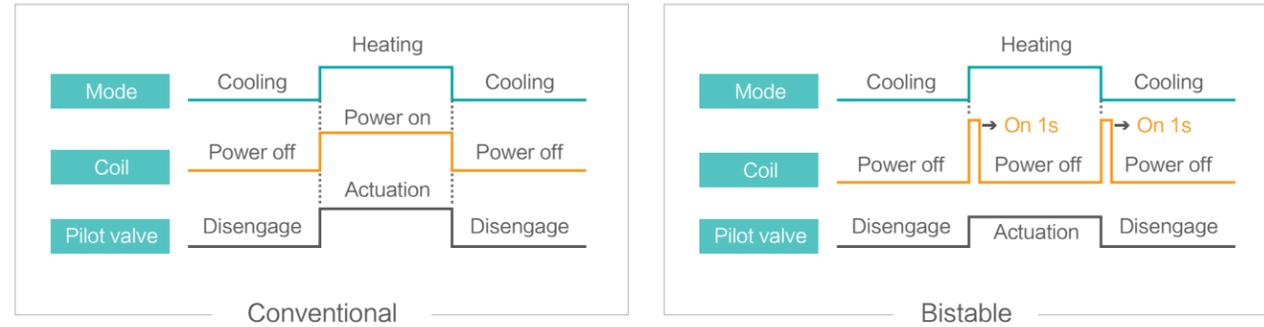
All the heat exchangers adopt dark gray fin, which has excellent anti-corrosive performance. It is coated with epoxy resin using film-forming techniques while the traditional resins are acrylic resins. The epoxy resin is 1.5 times thicker than acrylic resin, and its acid-resistant, alkali-resistant and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



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

## Bistable Four-way Valve

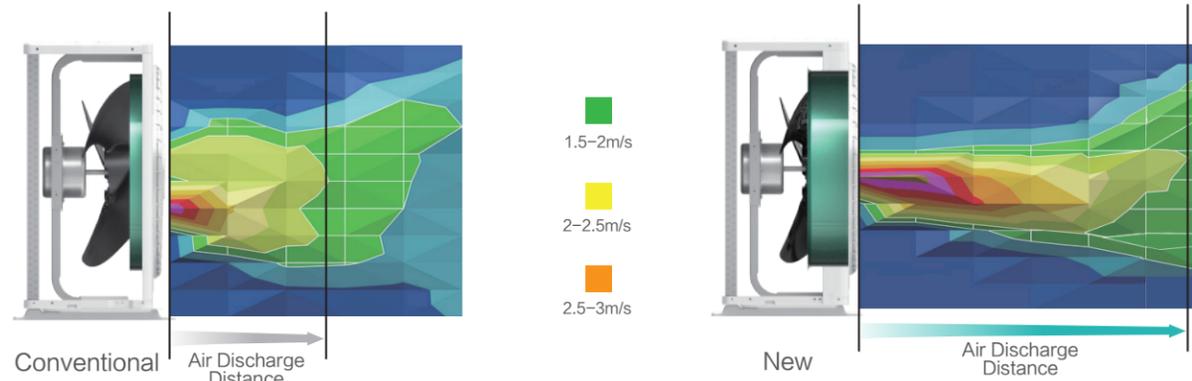
The bistable four-way valve is adopted in the outdoor unit, which only consumes power when reversing. During the normal operation (regardless of cooling or heating), it is no need to be energized. Compared with conventional four-way valve, it is more energy-saving. Moreover, the reliability of valve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



## Further Air Discharge Distance

### Optimized Air Duct System Design

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



## Hi-Smart L+ Series



| Capacity (HP)            |                                       | 4.0                     | 5.0                 | 6.0          |        |
|--------------------------|---------------------------------------|-------------------------|---------------------|--------------|--------|
| Model                    |                                       | AVW-41HKFHH2            | AVW-48HKFHH2        | AVW-54HKFHH2 |        |
| Power Supply             |                                       | AC 3Φ, 380-415V/50/60Hz |                     |              |        |
| Cooling                  | Capacity                              | 14.0                    | 14.0                | 15.5         |        |
|                          | Btu/h                                 | 41500                   | 48000               | 53000        |        |
|                          | Power Input                           | 2.79                    | 3.43                | 4.18         |        |
|                          | EER                                   | 4.33                    | 4.08                | 3.71         |        |
|                          | SEER                                  | 8.20                    | 8.10                | 8.00         |        |
| Heating                  | Capacity                              | 14.0                    | 16.0                | 18.0         |        |
|                          | Btu/h                                 | 48000                   | 54500               | 61500        |        |
|                          | Power Input                           | 3.08                    | 3.71                | 4.47         |        |
|                          | COP                                   | 4.55                    | 4.31                | 4.03         |        |
| Ventilation              | SCOP                                  | 4.85                    | 4.70                | 4.55         |        |
|                          | Air Flow Rate                         | 120                     | 120                 | 127          |        |
|                          | Sound Pressure Level                  | 52/55                   | 52/55               | 53/56        |        |
| Weight                   | Cooling/Heating                       | dB(A)                   |                     |              |        |
|                          | Net                                   | kg                      | 112                 | 113          | 114    |
|                          | Gross                                 | kg                      | 123                 | 124          | 125    |
| Outer Dimensions         | Height                                | mm                      | 1380                | 1380         | 1380   |
|                          | Width                                 | mm                      | 950                 | 950          | 950    |
|                          | Depth                                 | mm                      | 370                 | 370          | 370    |
|                          | Height                                | mm                      | 1531                | 1531         | 1531   |
| Packing Dimensions       | Width                                 | mm                      | 1070                | 1070         | 1070   |
|                          | Depth                                 | mm                      | 515                 | 515          | 515    |
|                          | Height                                | mm                      | 515                 | 515          | 515    |
| Cabinet Color            |                                       |                         | Grayish White       |              |        |
| Ref. Piping              | Gas                                   | mm                      | φ15.88              | φ15.88       | φ15.88 |
|                          |                                       | in.                     | 5/8                 | 5/8          | 5/8    |
|                          | Liquid                                | mm                      | φ9.53               | φ9.53        | φ9.53  |
|                          | in.                                   | 3/8                     | 3/8                 | 3/8          |        |
| Refrigerant              | Type                                  |                         | R410A               |              |        |
|                          | Before Shipment                       | kg                      | 3.8                 | 3.8          | 4.1    |
| Connectable Indoor Units | Max. Qty.                             | pc                      | 9                   | 11           | 12     |
|                          | Connection Ratio                      | %                       | 50-150              | 50-150       | 50-150 |
| Piping Design            | Max. Piping Length                    | m                       | 100                 | 100          | 100    |
|                          | Total Piping Length                   | m                       | 150                 | 150          | 150    |
|                          | Height Difference Between ODU and IDU | m                       | 50                  | 50           | 50     |
|                          | Height Difference Between IDUs        | m                       | 40                  | 40           | 40     |
| Operation Range          | Cooling                               | DB(°C)                  | (-10*) -5 ~ 48      |              |        |
|                          | Heating                               | DB/WB(°C)               | -20/-20.5 ~ 26/15.5 |              |        |

NOTES:

- The rated cooling and heating capacity are tested in the following conditions:  
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
- 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.
- \*1 When the temperature is between -10°C and -5°C, the cooling operation is under interval operation.
- The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

## Hi-Smart C+ Series



| Capacity (HP)            |                                       | 8.0                     | 10.0                | 12.0          |        |
|--------------------------|---------------------------------------|-------------------------|---------------------|---------------|--------|
| Model                    |                                       | AVW-76HKFHH2            | AVW-96HKFHH2        | AVW-114HKFHH2 |        |
| Power Supply             |                                       | AC 3Φ, 380-415V/50/60Hz |                     |               |        |
| Cooling                  | Capacity                              | kW                      | 22.4                | 28.0          | 33.5   |
|                          |                                       | Btu/h                   | 76400               | 95500         | 114300 |
|                          | Power Input                           | kW                      | 6.22                | 8.12          | 13.40  |
|                          | EER                                   | W/W                     | 3.60                | 3.45          | 2.50   |
|                          | SEER                                  | —                       | 7.00                | 7.80          | 7.55   |
| Heating                  | Capacity                              | kW                      | 25.0                | 31.5          | 37.5   |
|                          |                                       | Btu/h                   | 85300               | 107500        | 128000 |
|                          | Power Input                           | kW                      | 5.81                | 7.59          | 10.08  |
|                          | COP                                   | W/W                     | 4.30                | 4.15          | 3.72   |
|                          | SCOP                                  | —                       | 4.50                | 4.50          | 4.30   |
| Ventilation              | Air Flow Rate                         | m <sup>3</sup> /min     | 150                 | 163           | 163    |
| Sound Pressure Level     | Cooling/Heating                       | dB(A)                   | 55/58               | 56/59         | 56/59  |
|                          |                                       |                         |                     |               |        |
| Weight                   | Net                                   | kg                      | 145                 | 157           | 158    |
|                          | Gross                                 | kg                      | 161                 | 174           | 175    |
|                          | 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    |
|                          |                                       |                         |                     |               |        |
| Cabinet Color            | —                                     | Grayish White           |                     |               |        |
| Ref. Piping              | Gas                                   | mm                      | φ22.2               | φ25.4         | φ25.4  |
|                          |                                       | in.                     | 7/8                 | 1/1           | 1/1    |
|                          | Liquid                                | mm                      | φ12.7               | φ12.7         | φ12.7  |
|                          |                                       | in.                     | 1/2                 | 1/2           | 1/2    |
| Refrigerant              | Type                                  | —                       | R410A               |               |        |
|                          | Before Shipment                       | kg                      | 5.5                 | 6.5           | 6.5    |
| Connectable Indoor Units | Max. Qty.                             | pc                      | 15                  | 18            | 19     |
|                          | Connection Ratio                      | %                       | 50-150              | 50-150        | 50-150 |
| Piping Design            | Max. Piping Length                    | m                       | 150                 | 150           | 150    |
|                          | Total Piping Length                   | m                       | 300                 | 300           | 300    |
|                          | Height Difference Between ODU and IDU | m                       | 50                  | 50            | 50     |
|                          |                                       | m                       | 40                  | 40            | 40     |
|                          | Height Difference Between IDUs        | m                       | 15                  | 15            | 15     |
| Operation Range          | Cooling                               | DB(°C)                  | (-10*) -5 - 48      |               |        |
|                          | Heating                               | DB/WB(°C)               | -20/-20.5 - 26/15.5 |               |        |

NOTES:

- The rated cooling and heating capacity are tested in the following conditions:  
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
- 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.
- \*1 When the temperature is between -10°C and -5°C, the cooling operation is under interval operation.
- The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

## Hi-Smart **H** Series

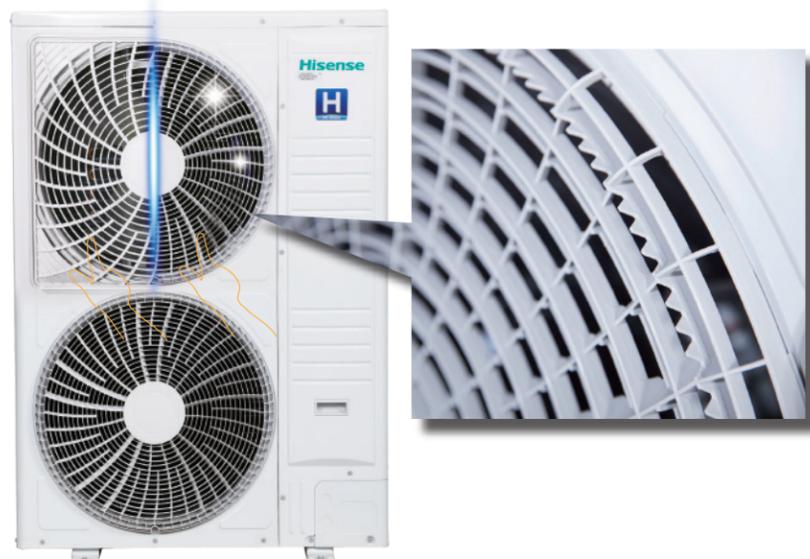
### Compact Size and Light Weight



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

## Aviation Level Design of Grilling

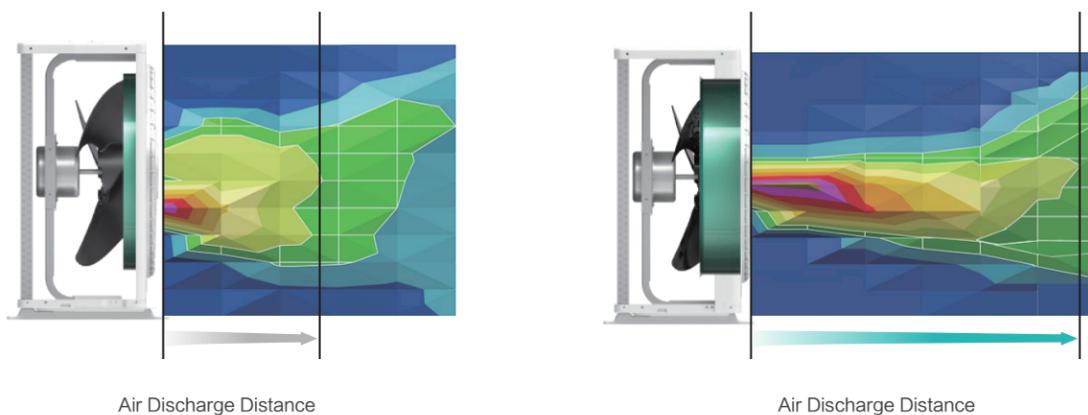
Hisense H series creates a high-quality quiet environment. The design of the grilling follows the design concept of the aircraft engine design, which conforms to the aerodynamics principle. The noise has been greatly reduced. The grilling also increases safety as being a preventative for child figure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



## New Designed Air Channel

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

**24%**  
Further Air Discharge



1.5-2m/s    2-2.5m/s    2.5-3m/s

## Flexible Piping Connection

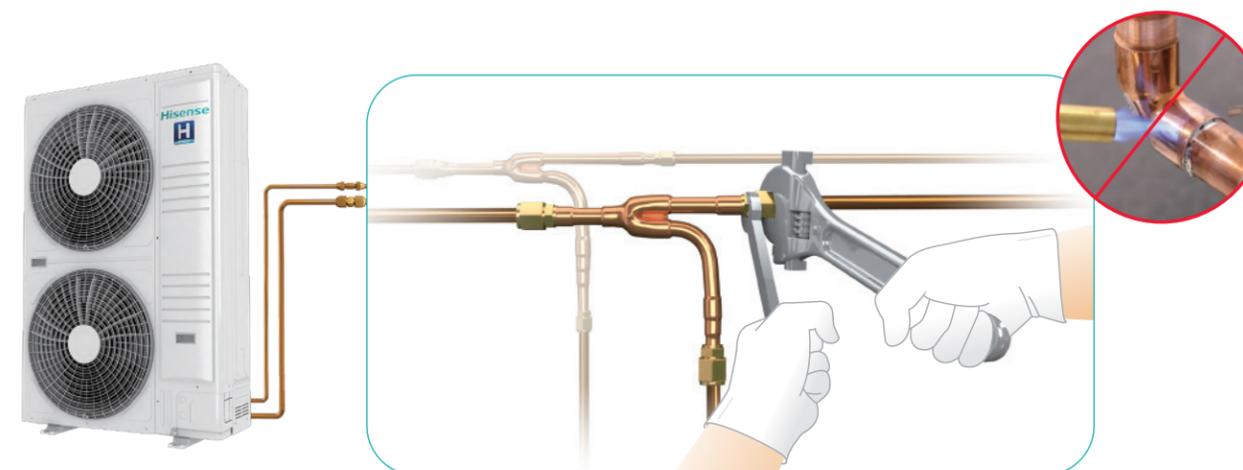
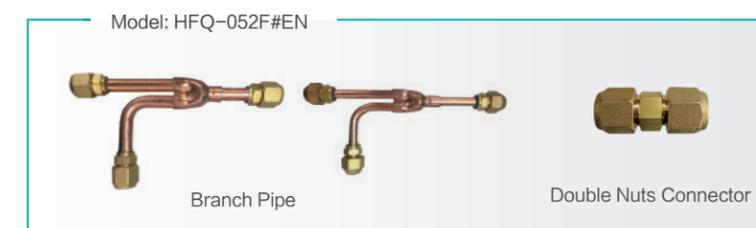
Installation restrictions on site does not stop Hisense mini VRF there with flexible piping directions which includes front, bottom, right, rear connections.



## New Refrigerant Pipe Connection with Flare-nut Branch Pipe

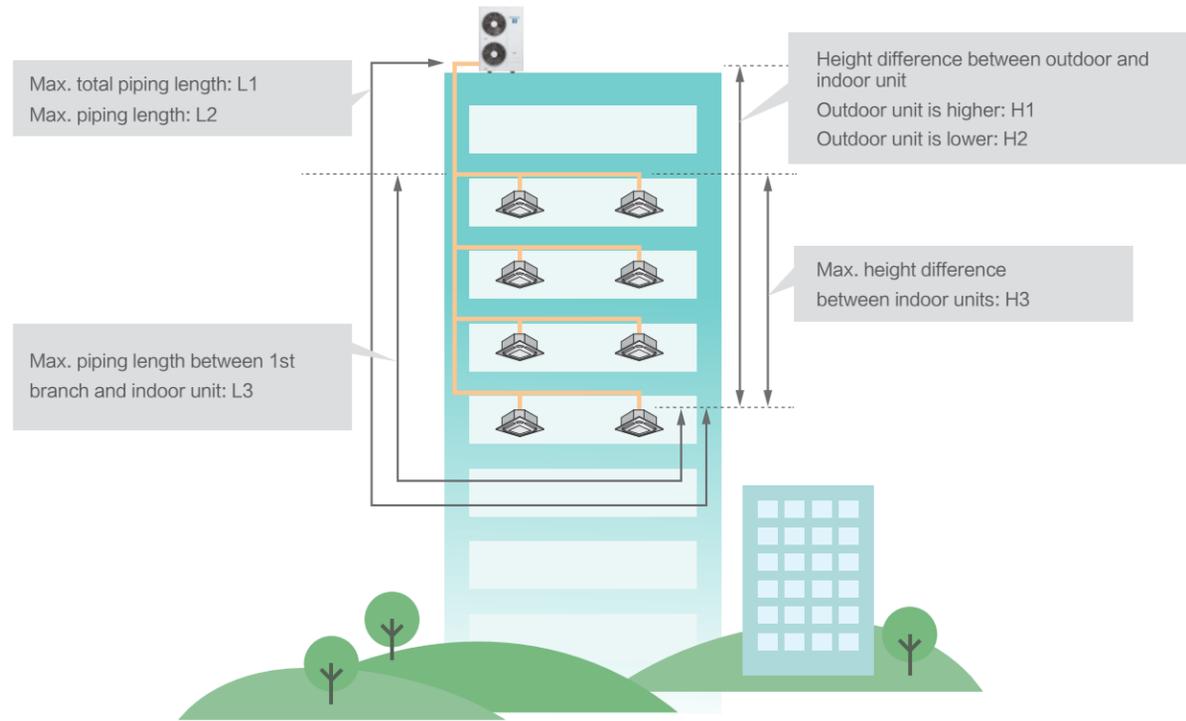
Hisense VRF has newly developed the Flare-nut Branch Pipes, breaking through the common way of connecting refrigerant copper pipes by replacing welding processes with simple and safe flare nuts connections.

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



## Excellent Piping Length

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



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

## Hi-Smart H Series



|                 |                                       | 4HP                     | 5HP          | 6HP          | 8HP                     | 10HP          | 12HP          |
|-----------------|---------------------------------------|-------------------------|--------------|--------------|-------------------------|---------------|---------------|
| Model           |                                       | AVW-43HJFHE2            | AVW-48HJFHE2 | AVW-54HJFHE2 | AVW-76HKFHE2            | AVW-96HKFHE2  | AVW-114HKFHE2 |
| Power Supply    |                                       | AC1 φ, 220-240V/50/60Hz |              |              | AC3 φ, 380-415V/50/60Hz |               |               |
| Cooling         | Capacity                              | kW                      | 12.5         | 14.0         | 15.5                    | 22.4          | 28.0          |
|                 |                                       | kBtu/h                  | 42.7         | 47.8         | 52.9                    | 76.5          | 95.6          |
|                 | Power Input                           | kW                      | 3.03         | 4.05         | 4.68                    | 6.93          | 8.97          |
|                 | EER                                   | kW/kW                   | 4.12         | 3.46         | 3.31                    | 3.23          | 3.12          |
| Heating         | Capacity                              | kW                      | 14.0         | 16.0         | 18.0                    | 25.0          | 31.5          |
|                 |                                       | kBtu/h                  | 47.8         | 54.6         | 61.4                    | 85.3          | 107.5         |
|                 | Power Input                           | kW                      | 3.14         | 3.71         | 4.47                    | 7.35          | 7.91          |
|                 | COP                                   | kW/kW                   | 4.46         | 4.31         | 4.03                    | 3.4           | 3.98          |
| Ventilation     | Air Flow Rate                         | m <sup>3</sup> /min     | 90           | 90           | 100                     | 127           | 150           |
|                 | Fan Quantity                          |                         | 2            | 2            | 2                       | 2             | 2             |
| Sound           | Sound Pressure Level                  | dB(A)                   | 50/52        | 52/54        | 53/55                   | 57/58         | 58/59         |
|                 |                                       |                         |              |              |                         |               |               |
| Compressor      | Type                                  |                         | Rotary       |              |                         |               |               |
|                 | Quantity                              |                         | 1            | 1            | 1                       | 1             | 1             |
| Refrigerant     | Type                                  |                         | R410A        |              |                         |               |               |
|                 | Pre-charge Quantity                   |                         | 3.8          | 3.8          | 4.1                     | 5.63          | 5.5           |
| Weight          | Net Weight                            | kg                      | 93           | 95           | 97                      | 124           | 145           |
|                 | Gross Weight                          | kg                      | 112          | 112          | 112                     | 139           | 161           |
| Dimensions      | External                              | H mm                    | 1380         | 1380         | 1380                    | 1380          | 1650          |
|                 |                                       | W mm                    | 950          | 950          | 950                     | 950           | 1100          |
|                 | Packing                               | D mm                    | 370          | 370          | 370                     | 370           | 390           |
|                 |                                       | H mm                    | 1531         | 1531         | 1531                    | 1531          | 1806          |
|                 | Packing                               | W mm                    | 1070         | 1070         | 1070                    | 1070          | 1185          |
|                 |                                       | D mm                    | 515          | 515          | 515                     | 515           | 530           |
| Cabinet Color   |                                       |                         | Ivory White  |              |                         | Grayish White |               |
|                 | Ref. Piping                           | Gas                     | mm           | φ9.53        | φ9.53                   | φ9.53         | φ9.53         |
|                 |                                       | Liquid                  | mm           | φ15.88       | φ15.88                  | φ15.88        | φ19.05        |
| Piping Design   | Max. Piping Length                    | m                       | 75           | 75           | 75                      | 100           |               |
|                 | Height Difference Between ODU and IDU | m                       | 30           | 30           | 30                      | 40            |               |
|                 |                                       | m                       | 30           | 30           | 30                      | 40            |               |
| Operation Range | Height Difference Between IDUs        | m                       | 10           | 10           | 10                      | 15            |               |
|                 | Cooling                               | °C DB                   | -5~46        |              |                         | -5~50         |               |
|                 | Heating                               | °C WB                   | -20~15.5     |              |                         | -20~15.5      |               |

Notes:

- 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
- 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.
- The final appearance of outdoor units is subject to the actual products.
- The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette type indoor units.

# INDOOR UNITS

4-Way Cassette / Mini 4-Way Cassette

1-Way Cassette

2-Way Cassette

Console

Ceiling Ducted (AC/DC Low-height)

Ceiling Ducted(High/Low Static Pressure)

Wall Mounted

Floor Standing

Ceiling & Floor

Floor Concealed

All Fresh Air Indoor Unit

Heat Recovery Ventilator

AHU Connection KIT

AIR  
CONDITIONING  
SOLUTION

## Indoor Units Line-up

| HP                 |   | 0.6 | 0.8 | 1.0 | 1.3 | 1.5 | 1.6 | 1.8 | 1.9 | 2.0 | 2.3 | 2.5 | 3.0 | 3.3 | 4.0 | 4.5 | 5.0 | 6.0 | 8.0 | 10.0 |
|--------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| kBtu/h             |   | 5   | 7   | 9   | 12  | 14  | 15  | 17  | 18  | 19  | 22  | 24  | 27  | 30  | 38  | 42  | 48  | 54  | 76  | 96   |
| <b>R32   R410A</b> | 4-Way Cassette*                           |     |     | •   | •   |     | •   |     |     | •   | •   | •   | •   | •   | •   |     | •   | •   |     |      |
| <b>R32   R410A</b> | Mini 4-Way Cassette*                      | •   | •   | •   | •   |     | •   | •   |     | •   |     |     |     |     |     |     |     |     |     |      |
|                    | 1-Way Cassette                            | •   | •   | •   | •   |     | •   |     |     | •   |     | •   |     |     |     |     |     |     |     |      |
|                    | 2-Way Cassette                            |     | •   | •   | •   | •   |     |     | •   |     |     | •   | •   | •   | •   |     | •   | •   |     |      |
|                    | Console                                   | •   | •   | •   | •   |     | •   | •   |     |     |     |     |     |     |     |     |     |     |     |      |
|                    | Ceiling Ducted (AC Low-height)            | •   | •   | •   | •   |     | •   | •   |     | •   | •   | •   |     |     |     |     |     |     |     |      |
| <b>R32   R410A</b> | Ceiling Ducted* (DC Low-height)           | •   | •   | •   | •   |     | •   |     |     | •   |     | •   |     |     |     |     |     |     |     |      |
| <b>R32   R410A</b> | Ceiling Ducted* (DC High Static Pressure) |     | •   | •   | •   |     | •   |     |     | •   |     | •   | •   | •   | •   | •   | •   | •   | •   | •    |
|                    | Ceiling Ducted (High Static Pressure)     |     | •   | •   | •   |     | •   |     |     | •   | •   | •   | •   | •   | •   |     | •   | •   |     |      |
|                    | Ceiling Ducted (Low Static Pressure)      |     | •   | •   | •   |     | •   |     |     | •   | •   | •   | •   | •   | •   |     | •   | •   |     |      |
| <b>R32   R410A</b> | Wall Mounted*                             | •   | •   | •   | •   |     | •   |     |     | •   |     | •   | •   |     |     |     |     |     |     |      |
|                    | Floor Standing                            |     |     |     |     |     |     |     |     |     |     |     |     |     | •   |     | •   | •   |     | •    |
|                    | Ceiling & Floor                           |     |     |     |     |     |     |     | •   | •   | •   | •   | •   | •   | •   |     | •   |     |     |      |
|                    | Floor Concealed                           |     |     | •   | •   |     |     | •   |     |     | •   |     |     |     |     |     |     |     |     |      |

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

# Indoor Units Feature Overview

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

Remarks: Standard: ● Optional: ○ Incompatible: ×

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

Remarks: Standard: ● Optional: ○ Incompatible: ×

RELIABILITY

EFFICIENCY

COMFORT

FLEXIBILITY

OUTDOOR UNIT

INDOOR UNIT

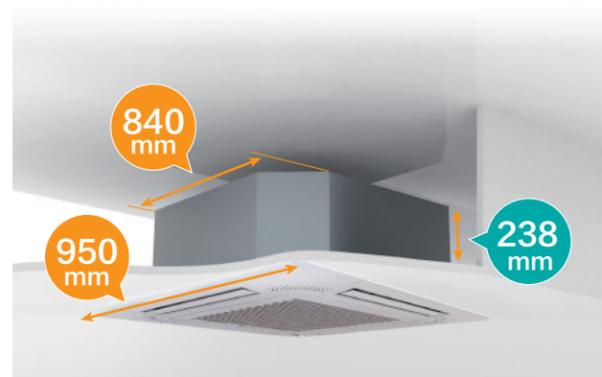
CONTROL SYSTEM

ACCESSORY

# 4-Way Cassette Mini 4-Way Cassette

## Compact and Classy Design

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



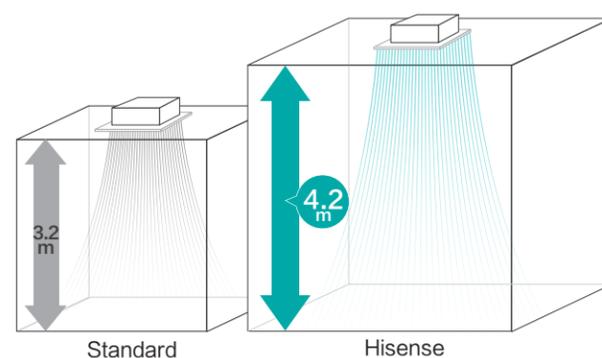
4-way Cassette



Mini 4-way Cassette

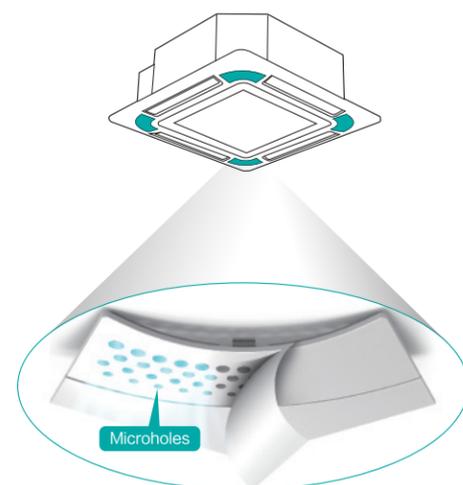
## Higher Installation

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



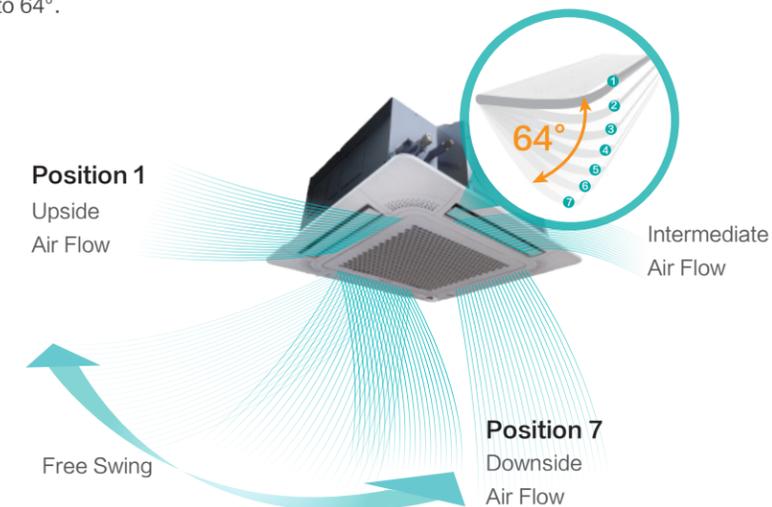
## Breeze Mode

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



## Individual Louvers Control

4-way cassette louvers are now capable of individual control to freely choose how you want your AC unit supplies air according to different needs, applications and installation layouts. Each louver has 7 adjustable angle settings with a maximum angle of up to 64°.



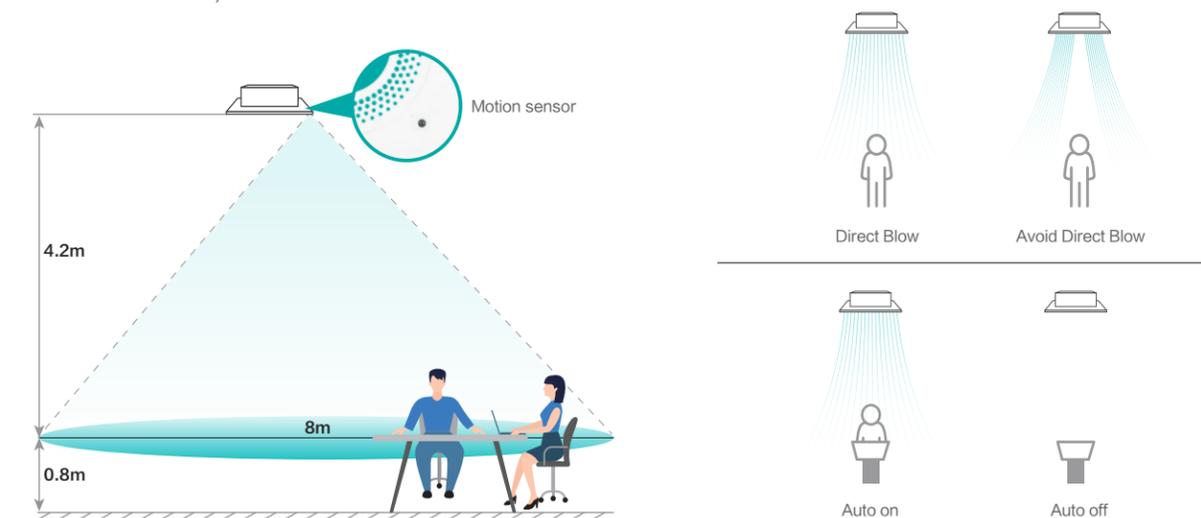
## Self-cleaning Function

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



## Motion Sensor

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



R32 | R410A

4-Way Cassette



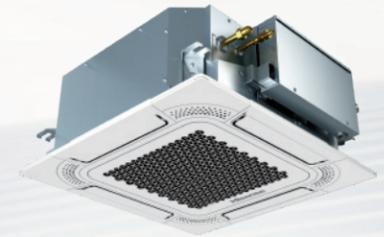
| Model            | AVBC-09 HJDBA               | AVBC-12 HJDBA | AVBC-15 HJDBA                         | AVBC-19 HJDBA                | AVBC-22 HJDBA                 | AVBC-24 HJDBA                 | AVBC-27 HJDBA                 | AVBC-30 HJDBA                 | AVBC-38 HJDBA                 | AVBC-48 HJDBA                 | AVBC-54 HJDBA                 |                               |                               |                               |
|------------------|-----------------------------|---------------|---------------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Power supply     | AC 1 φ, 220V~240V/50Hz/60Hz |               |                                       |                              |                               |                               |                               |                               |                               |                               |                               |                               |                               |                               |
| Capacity         | Cooling                     | kW            | 2.8                                   | 3.6                          | 4.5                           | 5.6                           | 6.3                           | 7.1                           | 8.0                           | 9.0                           | 11.2                          | 14.0                          | 16.0                          |                               |
|                  |                             | Btu/h         | 9,600                                 | 12,300                       | 15,300                        | 19,100                        | 21,500                        | 24,200                        | 27,300                        | 30,700                        | 38,200                        | 47,800                        | 54,600                        |                               |
| Capacity         | Heating                     | kW            | 3.2                                   | 4.0                          | 5.0                           | 6.3                           | 7.1                           | 8.0                           | 9.0                           | 10.0                          | 12.5                          | 16.0                          | 18.0                          |                               |
|                  |                             | Btu/h         | 10,900                                | 13,700                       | 17,100                        | 21,500                        | 24,200                        | 27,300                        | 30,700                        | 34,100                        | 42,700                        | 54,600                        | 61,400                        |                               |
| Power Input      | Cooling                     | W             | 20                                    | 30                           | 40                            | 50                            | 50                            | 60                            | 70                            | 70                            | 80                            | 130                           | 130                           |                               |
|                  |                             | W             | 20                                    | 30                           | 40                            | 50                            | 50                            | 60                            | 70                            | 70                            | 80                            | 130                           | 130                           |                               |
| Sound Pressure   | Cooling                     | dB(A)         | 30/28/28/27/26/26                     | 32/29/29/28/27/26            | 33/31/29/29/27/26             | 34/31/30/28/28/26             | 36/33/32/31/29/28             | 36/33/32/33/31/30             | 37/36/35/33/31/30             | 37/36/35/36/34/33             | 42/40/38/38/36/34             | 46/44/41/40/38/36             | 46/44/41/40/38/36             |                               |
|                  |                             | dB(A)         | 30/28/28/27/26/26                     | 32/29/29/28/27/26            | 33/31/29/29/27/26             | 34/31/30/28/28/26             | 36/33/32/31/29/28             | 36/33/32/33/31/30             | 37/36/35/33/31/30             | 37/36/35/36/34/33             | 42/40/38/38/36/34             | 46/44/41/40/38/36             | 46/44/41/40/38/36             |                               |
| Air Flow Rate    | Cooling                     | m³/min        | 15.0/12.8/12.0/10.8/10.0/8.8          | 17.0/14.0/12.8/11.8/10.8/9.1 | 19.0/15.0/13.9/12.6/11.4/10.5 | 19.0/15.0/13.9/12.6/11.8/10.5 | 26.0/20.0/18.3/17.0/15.1/13.0 | 27.0/21.1/19.1/18.0/16.1/14.7 | 25.0/22.3/19.6/17.9/16.9/15.3 | 31.0/29.5/28.7/26.0/23.5/20.5 | 37.0/33.5/30.7/28.9/24.2/22.4 | 37.0/34.0/30.7/28.9/24.2/22.4 | 37.0/34.0/30.7/28.9/24.2/22.4 |                               |
|                  |                             | m³/min        | 15.0/12.8/12.0/10.8/10.0/8.8          | 17.0/14.0/12.8/11.8/10.8/9.1 | 19.0/15.0/13.9/12.6/11.4/10.5 | 19.0/15.0/13.9/12.6/11.8/10.5 | 26.0/20.0/18.3/17.0/15.1/13.0 | 27.0/21.1/19.1/18.0/16.1/14.7 | 25.0/22.3/19.6/17.9/16.9/15.3 | 31.0/29.5/28.7/26.0/23.5/20.5 | 37.0/33.5/30.7/28.9/24.2/22.4 | 37.0/33.5/30.7/28.9/24.2/22.4 | 37.0/34.0/30.7/28.9/24.2/22.4 | 37.0/34.0/30.7/28.9/24.2/22.4 |
| Piping           | Connection Type             | -             | Flare-nut Connection(with Flare Nuts) |                              |                               |                               |                               |                               |                               |                               |                               |                               |                               |                               |
|                  |                             | Liquid        | mm                                    | φ6.35                        | φ6.35                         | φ6.35                         | φ6.35                         | φ6.35                         | φ9.53                         | φ9.53                         | φ9.53                         | φ9.53                         | φ9.53                         | φ9.53                         |
|                  |                             |               | inch                                  | (1/4)                        | (1/4)                         | (1/4)                         | (1/4)                         | (1/4)                         | (3/8)                         | (3/8)                         | (3/8)                         | (3/8)                         | (3/8)                         | (3/8)                         |
|                  |                             | Gas           | mm                                    | φ12.7                        | φ12.7                         | φ12.7                         | φ12.7                         | φ12.7                         | φ15.88                        | φ15.88                        | φ15.88                        | φ15.88                        | φ15.88                        | φ15.88                        |
|                  |                             |               | inch                                  | (1/2)                        | (1/2)                         | (1/2)                         | (1/2)                         | (1/2)                         | (5/8)                         | (5/8)                         | (5/8)                         | (5/8)                         | (5/8)                         | (5/8)                         |
| Condensate Drain | -                           | O.D. 32       |                                       |                              |                               |                               |                               |                               |                               |                               |                               |                               |                               |                               |
| Weight           | Net Weight                  | kg            | 20                                    | 20                           | 20                            | 20                            | 21                            | 21                            | 23                            | 23                            | 26                            | 26                            | 26                            |                               |
|                  |                             | Gross Weight  | kg                                    | 24                           | 24                            | 24                            | 24                            | 25                            | 25                            | 27                            | 27                            | 31                            | 31                            | 31                            |
| Dimensions       | External                    | H mm          | 238                                   | 238                          | 238                           | 238                           | 238                           | 238                           | 238                           | 238                           | 288                           | 288                           | 288                           |                               |
|                  |                             | W mm          | 840                                   | 840                          | 840                           | 840                           | 840                           | 840                           | 840                           | 840                           | 840                           | 840                           | 840                           |                               |
|                  |                             | D mm          | 840                                   | 840                          | 840                           | 840                           | 840                           | 840                           | 840                           | 840                           | 840                           | 840                           | 840                           |                               |
|                  | Packaging                   | H mm          | 292                                   | 292                          | 292                           | 292                           | 292                           | 292                           | 292                           | 292                           | 342                           | 342                           | 342                           |                               |
|                  |                             | W mm          | 945                                   | 945                          | 945                           | 945                           | 945                           | 945                           | 945                           | 945                           | 945                           | 945                           | 945                           |                               |
|                  |                             | D mm          | 945                                   | 945                          | 945                           | 945                           | 945                           | 945                           | 945                           | 945                           | 945                           | 945                           | 945                           |                               |
| Decoration Panel | Model                       | -             | HPE-GNK1                              |                              |                               |                               |                               |                               |                               |                               |                               |                               |                               |                               |
|                  |                             | Color         | -                                     | Neutral White                |                               |                               |                               |                               |                               |                               |                               |                               |                               |                               |
|                  | Body                        | H mm          | 47                                    | 47                           | 47                            | 47                            | 47                            | 47                            | 47                            | 47                            | 47                            | 47                            | 47                            |                               |
|                  |                             | W mm          | 950                                   | 950                          | 950                           | 950                           | 950                           | 950                           | 950                           | 950                           | 950                           | 950                           | 950                           |                               |
|                  | Dimensions                  | D mm          | 950                                   | 950                          | 950                           | 950                           | 950                           | 950                           | 950                           | 950                           | 950                           | 950                           | 950                           |                               |
|                  |                             | H mm          | 100                                   | 100                          | 100                           | 100                           | 100                           | 100                           | 100                           | 100                           | 100                           | 100                           | 100                           |                               |
|                  | Packaging                   | W mm          | 1022                                  | 1022                         | 1022                          | 1022                          | 1022                          | 1022                          | 1022                          | 1022                          | 1022                          | 1022                          | 1022                          |                               |
|                  |                             | D mm          | 1022                                  | 1022                         | 1022                          | 1022                          | 1022                          | 1022                          | 1022                          | 1022                          | 1022                          | 1022                          | 1022                          |                               |
|                  | Net Weight                  | kg            | 5.7                                   | 5.7                          | 5.7                           | 5.7                           | 5.7                           | 5.7                           | 5.7                           | 5.7                           | 5.7                           | 5.7                           | 5.7                           |                               |
|                  |                             | Gross Weight  | kg                                    | 8.0                          | 8.0                           | 8.0                           | 8.0                           | 8.0                           | 8.0                           | 8.0                           | 8.0                           | 8.0                           | 8.0                           |                               |

Notes:

- 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 measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

R32 | R410A

Mini 4-Way Cassette



| Model            | AVC-05HJDBA                 | AVC-07HJDBA  | AVC-09HJDBA                           | AVC-12HJDBA     | AVC-15HJDBA     | AVC-17HJDBA     | AVC-19HJDBA     |                  |                   |       |
|------------------|-----------------------------|--------------|---------------------------------------|-----------------|-----------------|-----------------|-----------------|------------------|-------------------|-------|
| Power supply     | AC 1 φ, 220V~240V/50Hz/60Hz |              |                                       |                 |                 |                 |                 |                  |                   |       |
| Capacity         | Cooling                     | kW           | 1.5                                   | 2.2             | 2.8             | 3.6             | 4.5             | 5.0              | 5.6               |       |
|                  |                             | Btu/h        | 5,100                                 | 7,500           | 9,600           | 12,300          | 15,300          | 17,000           | 19,100            |       |
| Capacity         | Heating                     | kW           | 2.0                                   | 2.5             | 3.3             | 4.2             | 5.0             | 5.6              | 6.3               |       |
|                  |                             | Btu/h        | 6,800                                 | 8,500           | 11,200          | 14,300          | 17,000          | 19,100           | 21,500            |       |
| Power Input      | Cooling                     | W            | 14                                    | 14              | 14              | 16              | 22              | 30               | 40                |       |
|                  |                             | W            | 14                                    | 14              | 14              | 16              | 22              | 30               | 40                |       |
| Sound Pressure   | Cooling                     | 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       |       |
|                  |                             | dB(A)        | 30/29/28/26                           | 30/29/28/26     | 32/30/28/26     | 34/32/29/26     | 38/36/31/28     | 42/39/36/31      | 45/42/38/34       |       |
| Air Flow Rate    | Cooling                     | 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 | 7.8/7.2/6.5/5.8 | 9.3/8.7/7.1/6.7 | 11.0/9.5/8.7/7.1 | 12.5/10.8/9.3/8.0 |       |
|                  |                             | 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 | 7.8/7.2/6.5/5.8 | 9.3/8.7/7.1/6.7 | 11.0/9.5/8.7/7.1 | 12.5/10.8/9.3/8.0 |       |
| Piping           | Connection Type             | -            | Flare-nut Connection(with Flare Nuts) |                 |                 |                 |                 |                  |                   |       |
|                  |                             | Liquid       | mm                                    | φ6.35           | φ6.35           | φ6.35           | φ6.35           | φ6.35            | φ6.35             | φ6.35 |
|                  |                             |              | inch                                  | (1/4)           | (1/4)           | (1/4)           | (1/4)           | (1/4)            | (1/4)             | (1/4) |
|                  |                             | Gas          | mm                                    | φ12.7           | φ12.7           | φ12.7           | φ12.7           | φ12.7            | φ12.7             | φ12.7 |
|                  |                             |              | inch                                  | (1/2)           | (1/2)           | (1/2)           | (1/2)           | (1/2)            | (1/2)             | (1/2) |
| Condensate Drain | -                           | O.D. 32      |                                       |                 |                 |                 |                 |                  |                   |       |
| Weight           | Net Weight                  | kg           | 14.5                                  | 14.5            | 14.8            | 14.8            | 15.8            | 15.8             | 15.8              |       |
|                  |                             | Gross Weight | kg                                    | 17.3            | 17.3            | 17.6            | 17.6            | 18.6             | 18.6              | 18.6  |
| Dimensions       | External                    | H mm         | 215                                   | 215             | 215             | 215             | 215             | 215              | 215               |       |
|                  |                             | W mm         | 570                                   | 570             | 570             | 570             | 570             | 570              | 570               |       |
|                  |                             | D mm         | 570                                   | 570             | 570             | 570             | 570             | 570              | 570               |       |
|                  | Packaging                   | H mm         | 292                                   | 292             | 292             | 292             | 292             | 292              | 292               |       |
|                  |                             | W mm         | 730                                   | 730             | 730             | 730             | 730             | 730              | 730               |       |
|                  |                             | D mm         | 668                                   | 668             | 668             | 668             | 668             | 668              | 668               |       |
| Decoration Panel | Model                       | -            | HPE-DNK1                              |                 |                 |                 |                 |                  |                   |       |
|                  |                             | Color        | -                                     | Neutral White   |                 |                 |                 |                  |                   |       |
|                  | Body                        | H mm         | 37                                    | 37              | 37              | 37              | 37              | 37               | 37                |       |
|                  |                             | W mm         | 620                                   | 620             | 620             | 620             | 620             | 620              | 620               |       |
|                  | Dimensions                  | D mm         | 620                                   | 620             | 620             | 620             | 620             | 620              | 620               |       |
|                  |                             | H mm         | 115                                   | 115             | 115             | 115             | 115             | 115              | 115               |       |
|                  | Packaging                   | W mm         | 690                                   | 690             | 690             | 690             | 690             | 690              | 690               |       |
|                  |                             | D mm         | 680                                   | 680             | 680             | 680             | 680             | 680              | 680               |       |
|                  | Net Weight                  | kg           | 2.7                                   | 2.7             | 2.7             | 2.7             | 2.7             | 2.7              | 2.7               |       |
|                  |                             | Gross Weight | kg                                    | 4.0             | 4.0             | 4.0             | 4.0             | 4.0              | 4.0               |       |

Notes:

- 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 measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

RELIABILITY  
EFFICIENCY  
COMFORT  
FLEXIBILITY  
OUTDOOR UNIT  
INDOOR UNIT  
CONTROL SYSTEM  
ACCESSORY

# 1-Way Cassette

## Ultra-Thin Space-Saving Design

Less Space, More Grace. Effortlessly fit into tight ceiling spaces without compromising on performance.



## Self-Cleaning Tech

Self-cleaning and 56°C sterilization keep the unit clean and your air healthy, with no manual cleaning needed. Breathe easy, live healthy.



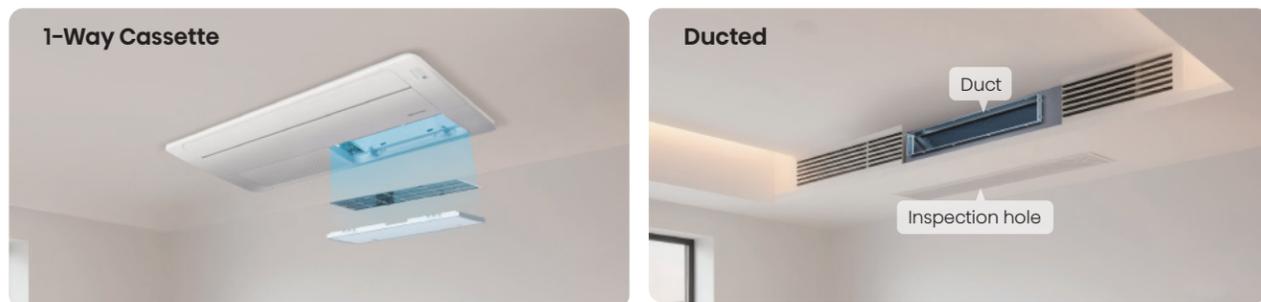
## 3DAirflow, All-Round Comfort

With 7 adjustable angles, the independently controlled louvers deliver 3D airflow further and downward that reaches every corner.



## No Ductwork, Easier Installation and Maintenance

No ducts, no hassle. Ductwork is not required, making installation faster, easier, and more budget-friendly than ever. Access the PCB by simply removing the panel and filter. No extra service port needed, no damage to the wall, just simplified maintenance.



## 1-Way Cassette



| Model                  |                                 | AVY-05HJDA                             | AVY-07HJDA                  | AVY-09HJDA                  | AVY-12HJDA                  | AVY-15HJDA                   | AVY-19HJDA                     | AVY-24HJDA                      |        |
|------------------------|---------------------------------|--|-----------------------------|-----------------------------|-----------------------------|------------------------------|--------------------------------|---------------------------------|--------|
| Power Supply           |                                 | AC 1ϕ 220V~240V 50/60Hz                |                             |                             |                             |                              |                                |                                 |        |
| Capacity               | Cooling                         | kW                                     | 1.8                         | 2.2                         | 2.8                         | 3.6                          | 4.5                            | 5.6                             | 7.0    |
|                        |                                 | Btu/h                                  | 6,100                       | 7,500                       | 9,600                       | 12,300                       | 15,400                         | 19,100                          | 24,000 |
|                        | Heating                         | kW                                     | 2.1                         | 2.5                         | 3.2                         | 4.0                          | 5.0                            | 6.3                             | 8.0    |
|                        |                                 | Btu/h                                  | 7,100                       | 8,500                       | 10,900                      | 13,600                       | 17,100                         | 21,500                          | 27,300 |
| Power Input            | W                               | 18                                     | 18                          | 18                          | 25                          | 38                           | 40                             | 74                              |        |
| Sound Pressure         | dB(A)                           | 32/31/29/<br>28/26/24                  | 32/31/29/<br>28/26/24       | 33/31/29/<br>28/26/24       | 38/36/34/<br>33/30/26       | 42/40/35/<br>33/31/27        | 41/39/36/<br>34/32/28          | 48/44/41/<br>37/34/29           |        |
| Airflow Rate           | m <sup>3</sup> /min             | 7.1/6.8/6.4/<br>5.9/5.5/5.3            | 7.1/6.8/6.4/<br>5.9/5.5/5.3 | 7.5/7.1/6.4/<br>5.9/5.5/5.3 | 9.1/8.4/7.8/<br>7.1/6.4/5.9 | 11.0/9.5/7.8/<br>7.2/6.6/6.0 | 14.1/11.4/10.1/<br>9.4/9.0/7.6 | 18.6/14.5/12.9/<br>11.4/9.7/8.2 |        |
| Connection Type        |                                 | Flare-nut Connection (with Flare Nuts) |                             |                             |                             |                              |                                |                                 |        |
| Piping                 | Liquid                          | mm                                     | Φ6.35                       | Φ6.35                       | Φ6.35                       | Φ6.35                        | Φ6.35                          | Φ6.35                           | Φ9.53  |
|                        |                                 | inch                                   | 1/4                         | 1/4                         | 1/4                         | 1/4                          | 1/4                            | 1/4                             | 3/8    |
|                        | Gas                             | mm                                     | Φ12.7                       | Φ12.7                       | Φ12.7                       | Φ12.7                        | Φ12.7                          | Φ15.88                          | Φ15.88 |
|                        |                                 | inch                                   | 1/2                         | 1/2                         | 1/2                         | 1/2                          | 1/2                            | 5/8                             | 5/8    |
| Condensate Drain       | mm                              | I.D. Φ32                               |                             |                             |                             |                              |                                |                                 |        |
| Weight                 | Net Weight                      | kg                                     | 14.2                        | 14.2                        | 14.2                        | 14.2                         | 14.2                           | 16.9                            | 16.9   |
|                        | Gross Weight                    | kg                                     | 18.2                        | 18.2                        | 18.2                        | 18.2                         | 18.2                           | 21.6                            | 21.6   |
| Dimensions (H × W × D) | External                        | mm                                     | 129 × 910 × 470             |                             |                             |                              |                                | 129 × 1180 × 470                |        |
|                        | Packaging                       | mm                                     | 285 × 1145 × 582            |                             |                             |                              |                                | 285 × 1415 × 582                |        |
| Decoration Panel       | Model                           |  | HP-D-NA1                    |                             |                             |                              |                                | HP-E-NA1                        |        |
|                        | Panel Colour                    |  | Neutral White               |                             |                             |                              |                                |                                 |        |
|                        | External Dimensions (H × W × D) | mm                                     | 55 × 1100 × 550             |                             |                             |                              |                                | 55 × 1370 × 550                 |        |
|                        | Net Weight                      | kg                                     | 5.3                         |                             |                             |                              |                                | 6.4                             |        |

Notes:

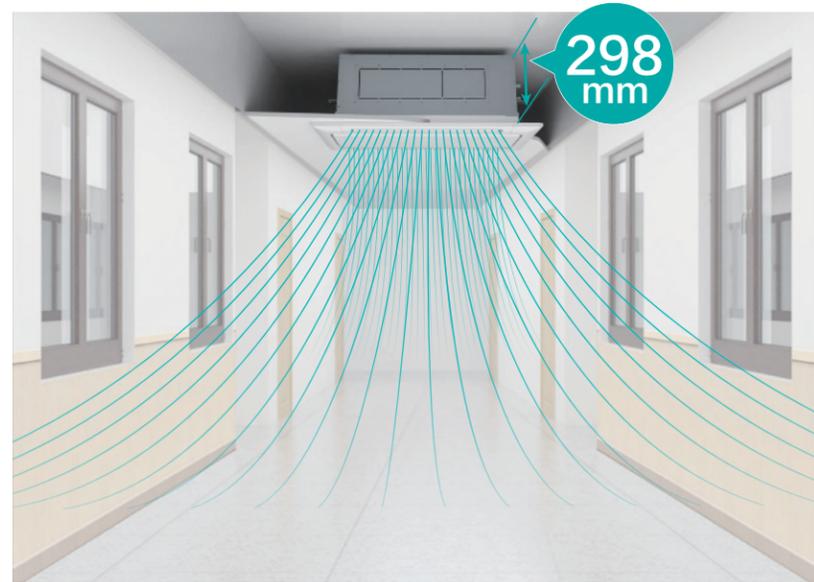
1. The nominal cooling capacity is based on the following conditions:  
 Indoor Air Inlet Temperature: 27°C DB (80°F DB), 19.0°C WB (66.2°F WB)  
 Outdoor Air Inlet Temperature: 35°C DB (95°F DB)  
 Piping Length: 7.5 Meters Piping Lift: 0 Meter  
 Heating Operation Conditions  
 Indoor Air Inlet Temperature: 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: 1.0m beneath the unit, 1.0m from discharge grille. The above data are measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

# 2-Way Cassette

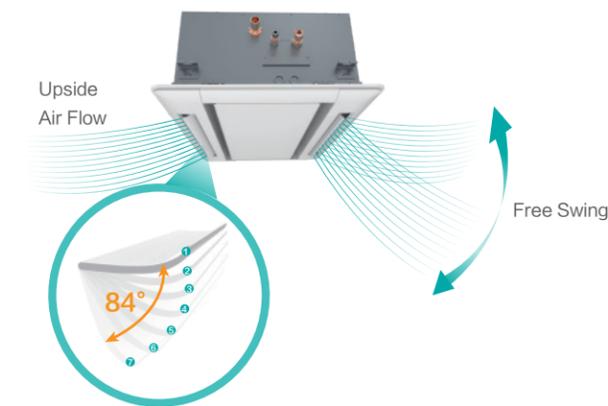
## Compact and Classy Design

The slim design of the unit, with a height as low as 298mm, allows for easy installation in tight ceiling spaces, such as corridors and other restricted areas.



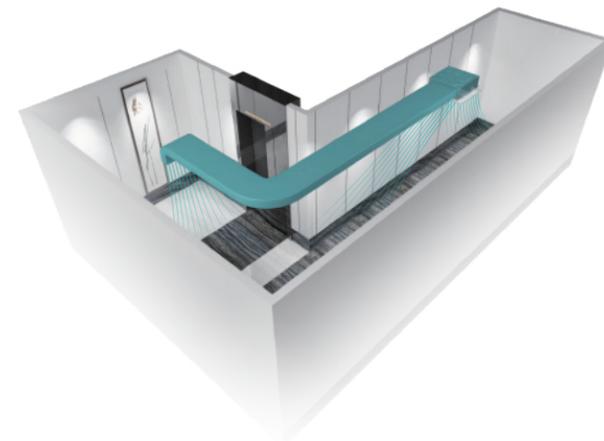
## Independent Louvers Control

Each louver can be individually adjusted to one of seven angles, ranging from 27° to 84°. This feature is designed to meet the demands of spaces with high ceilings or narrow corridors, ensuring optimal airflow and adapting to various indoor layouts.



## Branch Discharge Option

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



## 2-Way Cassette



| Model            |                      | AVL-07<br>UXJSGA          | AVL-09<br>UXJSGA                       | AVL-12<br>UXJSGA     | AVL-14<br>UXJSGA      | AVL-18<br>UXJSGA       | AVL-24<br>UXJSGA        | AVL-27<br>UXJSGA        | AVL-30<br>UXJSGA        | AVL-38<br>UXJSHA        | AVL-48<br>UXJSHA        | AVL-54<br>UXJSHA        |                         |
|------------------|----------------------|---------------------------|--|----------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Power Supply     |                      | AC 1Φ, 220-240V/50Hz/60Hz |  |                      |                       |                        |                         |                         |                         |                         |                         |                         |                         |
| Capacity         | Cooling              | kW                        | 2.2                                    | 2.8                  | 3.6                   | 4.3                    | 5.6                     | 7.1                     | 8.4                     | 9.0                     | 11.2                    | 14.0                    | 16.0                    |
|                  |                      | Btu/h                     | 7,500                                  | 9,600                | 12,300                | 14,700                 | 19,100                  | 24,200                  | 28,700                  | 30,700                  | 38,200                  | 47,800                  | 54,600                  |
| Power Input      | Heating              | kW                        | 2.8                                    | 3.3                  | 4.0                   | 4.9                    | 6.5                     | 8.0                     | 9.0                     | 10.0                    | 13.0                    | 16.0                    | 18.0                    |
|                  |                      | Btu/h                     | 9,600                                  | 11,300               | 13,600                | 16,700                 | 22,200                  | 27,300                  | 30,700                  | 34,100                  | 44,400                  | 54,600                  | 61,400                  |
| Sound Pressure   | Cooling              | W                         | 14                                     | 14                   | 14                    | 24                     | 34                      | 44                      | 64                      | 74                      | 84                      | 104                     | 114                     |
|                  | Heating              | W                         | 14                                     | 14                   | 14                    | 24                     | 34                      | 44                      | 64                      | 74                      | 84                      | 104                     | 114                     |
| Airflow Rate     |                      | dB(A)                     | 32/30/<br>29/27                        | 33/30/<br>29/28      | 34/31/<br>30/28       | 40/37/<br>34/32        | 42/39/<br>36/33         | 45/42/<br>40/36         | 47/44/<br>40/36         | 49/46/<br>42/37         | 46/44/<br>40/38         | 48/45/<br>42/38         | 49/46/<br>43/40         |
|                  |                      | m <sup>3</sup> /min       | 10.0/8.5/<br>7.2/6.0                   | 11.0/9.4/<br>8.2/6.6 | 12.0/10.5/<br>8.9/7.5 | 15.0/13.2/<br>11.5/9.9 | 17.0/14.9/<br>13.0/11.2 | 19.0/16.4/<br>14.3/12.3 | 21.0/18.4/<br>15.6/12.6 | 22.0/19.3/<br>16.3/13.1 | 30.0/26.4/<br>23.1/19.8 | 35.0/30.8/<br>26.9/21.1 | 37.0/32.5/<br>28.4/24.1 |
| Piping           | Connection Type      |                           | Flare-nut Connection (with Flare Nuts) |                      |                       |                        |                         |                         |                         |                         |                         |                         |                         |
|                  | Liquid               | mm                        | φ6.35                                  | φ6.35                | φ6.35                 | φ6.35                  | φ6.35                   | φ9.53                   | φ9.53                   | φ9.53                   | φ9.53                   | φ9.53                   | φ9.53                   |
|                  |                      | inch                      | 1/4                                    | 1/4                  | 1/4                   | 1/4                    | 1/4                     | 3/8                     | 3/8                     | 3/8                     | 3/8                     | 3/8                     | 3/8                     |
|                  | Gas                  | mm                        | φ12.70                                 | φ12.70               | φ12.70                | φ12.70                 | φ12.70                  | φ15.88                  | φ15.88                  | φ15.88                  | φ15.88                  | φ15.88                  | φ15.88                  |
| inch             |                      | 1/2                       | 1/2                                    | 1/2                  | 1/2                   | 1/2                    | 5/8                     | 5/8                     | 5/8                     | 5/8                     | 5/8                     | 5/8                     |                         |
| Condensate Drain | mm                   | I.D.32                    |  |                      |                       |                        |                         |                         |                         |                         |                         |                         |                         |
| Weight           | Net Weight           | kg                        | 22                                     | 22                   | 22                    | 24                     | 24                      | 24                      | 24                      | 24                      | 39                      | 39                      | 39                      |
|                  | Gross Weight         | kg                        | 28                                     | 28                   | 28                    | 30                     | 30                      | 30                      | 30                      | 30                      | 47                      | 47                      | 47                      |
| Dimensions       | External             | H mm                      | 298                                    | 298                  | 298                   | 298                    | 298                     | 298                     | 298                     | 298                     | 298                     | 298                     | 298                     |
|                  |                      | W mm                      | 860                                    | 860                  | 860                   | 860                    | 860                     | 860                     | 860                     | 860                     | 1420                    | 1420                    | 1420                    |
|                  |                      | D mm                      | 630                                    | 630                  | 630                   | 630                    | 630                     | 630                     | 630                     | 630                     | 630                     | 630                     | 630                     |
|                  | Packaging            | H mm                      | 350                                    | 350                  | 350                   | 350                    | 350                     | 350                     | 350                     | 350                     | 350                     | 350                     | 350                     |
|                  | W mm                 | 1070                      | 1070                                   | 1070                 | 1070                  | 1070                   | 1070                    | 1070                    | 1070                    | 1630                    | 1630                    | 1630                    |                         |
|                  | D mm                 | 710                       | 710                                    | 710                  | 710                   | 710                    | 710                     | 710                     | 710                     | 710                     | 710                     | 710                     |                         |
| Model            |                      |                           | HP-C-NA                                | HP-C-NA              | HP-C-NA               | HP-C-NA                | HP-C-NA                 | HP-C-NA                 | HP-C-NA                 | HP-C-NA                 | HP-F-NA                 | HP-F-NA                 |                         |
|                  | Panel Colour         |                           | Neutral White                          |                      |                       |                        |                         |                         |                         |                         |                         |                         |                         |
| Decoration Panel | Body Dimensions      | H mm                      | 30                                     | 30                   | 30                    | 30                     | 30                      | 30                      | 30                      | 30                      | 30                      | 30                      | 30                      |
|                  |                      | W mm                      | 1100                                   | 1100                 | 1100                  | 1100                   | 1100                    | 1100                    | 1100                    | 1100                    | 1660                    | 1660                    | 1660                    |
|                  |                      | D mm                      | 710                                    | 710                  | 710                   | 710                    | 710                     | 710                     | 710                     | 710                     | 710                     | 710                     | 710                     |
|                  | Packaging Dimensions | H mm                      | 160                                    | 160                  | 160                   | 160                    | 160                     | 160                     | 160                     | 160                     | 160                     | 160                     | 160                     |
|                  | W mm                 | 1170                      | 1170                                   | 1170                 | 1170                  | 1170                   | 1170                    | 1170                    | 1170                    | 1710                    | 1710                    | 1710                    |                         |
|                  | D mm                 | 740                       | 740                                    | 740                  | 740                   | 740                    | 740                     | 740                     | 740                     | 740                     | 740                     | 740                     |                         |
|                  | Net Weight           | kg                        | 7.5                                    | 7.5                  | 7.5                   | 7.5                    | 7.5                     | 7.5                     | 7.5                     | 7.5                     | 10.5                    | 10.5                    |                         |
|                  | Gross Weight         | kg                        | 13.3                                   | 13.3                 | 13.3                  | 13.3                   | 13.3                    | 13.3                    | 13.3                    | 13.3                    | 17.8                    | 17.8                    |                         |

Notes:

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

# Console

## Stylish Design

The console unit is stylish with a sleek white cover, integrated LED indicators, and a temperature display. It is ideal for both residential and commercial applications where installation on or near the floor is required.



## Multiple Blowing Types

### Cooling Mode

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



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

### Heating Mode

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



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

## Flexible Installation Options

The unit can be placed on the floor or hung on the wall, and offers flexibility with surface-mounted, embedded, or concealed installation options.



Standing on the floor



Hanging on the wall



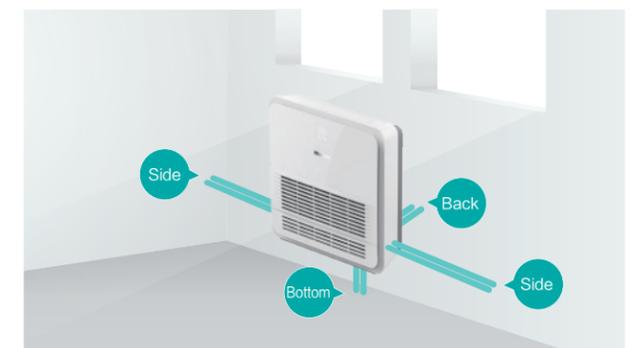
Surface mounted

Embedded

Concealed

## Flexible Piping Connection

The refrigerant and drainage piping can be connected in any direction, including left, right, bottom, and back, providing extra installation flexibility.



## Console

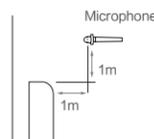


| Model            |                 | AVK-05HJFCAA               | AVK-07HJFCAA                           | AVK-09HJFCAA      | AVK-12HJFCAA      | AVK-15HJFCAA      | AVK-17HJFCAA      |               |
|------------------|-----------------|----------------------------|--|-------------------|-------------------|-------------------|-------------------|---------------|
| Power Supply     |                 | AC 1ϕ, 220V~240V/50Hz/60Hz |  |                   |                   |                   |                   |               |
| Capacity         | Cooling         | kW                         | 1.5                                    | 2.2               | 2.8               | 3.6               | 4.5               | 5.0           |
|                  |                 | Btu/h                      | 5,100                                  | 7,500             | 9,600             | 12,300            | 15,300            | 17,000        |
|                  | Heating         | kW                         | 2.0                                    | 2.5               | 3.3               | 4.2               | 5.0               | 5.6           |
|                  |                 | Btu/h                      | 6,800                                  | 8,500             | 11,200            | 14,300            | 17,000            | 19,100        |
| Power Input      | Cooling         | W                          | 10                                     | 11                | 12                | 14                | 18                | 23            |
|                  | Heating         | W                          | 10                                     | 11                | 12                | 14                | 18                | 23            |
| Sound Pressure   | dB(A)           | 32/30/29/28/26/24          | 34/32/31/29/27/26                      | 36/35/32/31/29/27 | 39/36/34/31/29/27 | 41/39/37/35/33/32 | 44/43/41/39/37/36 |               |
| Airflow Rate     |                 | m <sup>3</sup> /min        | 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/ |
|                  |                 |                            | 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        |               |
| Piping           | Connection Type | -                          | Flare-nut Connection (with Flare Nuts) |                   |                   |                   |                   |               |
|                  | Liquid          | mm                         | ϕ 6.35                                 | ϕ 6.35            | ϕ 6.35            | ϕ 6.35            | ϕ 6.35            | ϕ 6.35        |
|                  |                 | inch                       | 1/4                                    | 1/4               | 1/4               | 1/4               | 1/4               | 1/4           |
|                  | Gas             | mm                         | ϕ 12.70                                | ϕ 12.70           | ϕ 12.70           | ϕ 12.70           | ϕ 12.70           | ϕ 12.70       |
|                  |                 | inch                       | 1/2                                    | 1/2               | 1/2               | 1/2               | 1/2               | 1/2           |
| Condensate Drain | mm              | O.D. 18                    |  |                   |                   |                   |                   |               |
| Weight           | Net Weight      | kg                         | 16.1                                   | 16.1              | 16.1              | 17.4              | 17.4              | 17.4          |
|                  | Gross Weight    | kg                         | 20.6                                   | 21.1              | 21.1              | 21.5              | 21.5              | 21.5          |
| Dimensions       | External        | H                          | mm                                     | 630               | 630               | 630               | 630               | 630           |
|                  |                 | W                          | mm                                     | 700               | 700               | 700               | 700               | 700           |
|                  |                 | D                          | mm                                     | 225               | 225               | 225               | 225               | 225           |
|                  | Packaging       | H                          | mm                                     | 725               | 725               | 725               | 725               | 725           |
|                  |                 | W                          | mm                                     | 790               | 790               | 790               | 790               | 790           |
|                  |                 | D                          | mm                                     | 315               | 315               | 315               | 315               | 315           |

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 following conditions:  
 It is measured in anechoic room. Operation noise differs with operation and ambient conditions.  
 Location of Microphone:



## Ceiling Ducted (AC/DC Low Height)

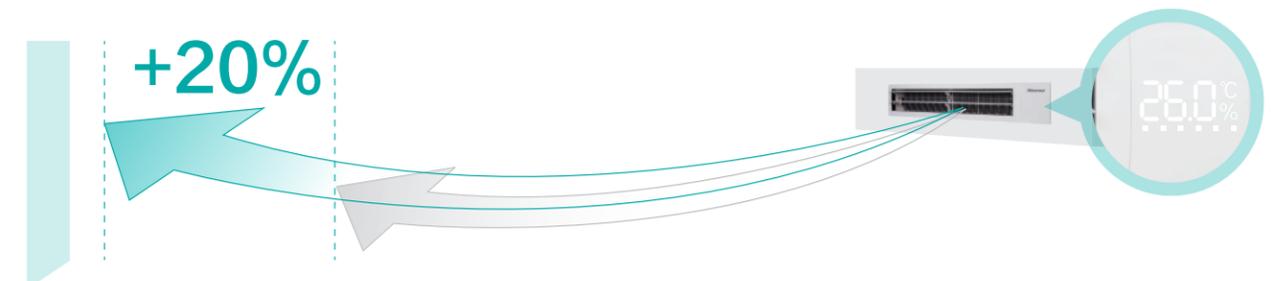
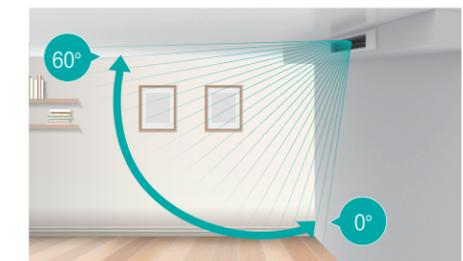
### Space Saving

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



### 3D Air Flow

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



### Ceiling Ducted (AC Low Height)



| Model                    |                  | AVE-05<br>HCFRL        | AVE-07<br>HCFRL                        | AVE-09<br>HCFRL | AVE-12<br>HCFRL | AVE-15<br>HCFRL | AVE-17<br>HCFRL | AVE-19<br>HCFRL | AVE-22<br>HCFRL | AVE-24<br>HCFRL |         |
|--------------------------|------------------|------------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------|
| Power Supply             |                  | AC 1 φ, 220V-240V/50Hz |  |                 |                 |                 |                 |                 |                 |                 |         |
| Capacity                 | Cooling          | kW                     | 1.7                                    | 2.2             | 2.8             | 3.6             | 4.5             | 5.0             | 5.6             | 6.3             | 7.1     |
|                          |                  | Btu/h                  | 5,800                                  | 7,500           | 9,600           | 12,300          | 15,300          | 17,100          | 19,100          | 21,500          | 24,200  |
|                          | Heating          | kW                     | 1.9                                    | 2.5             | 3.2             | 4.0             | 5.0             | 5.6             | 6.3             | 7.1             | 8.0     |
|                          |                  | Btu/h                  | 6,500                                  | 8,500           | 11,300          | 13,600          | 17,100          | 19,100          | 21,500          | 24,200          | 27,300  |
| Power Input              | Cooling          | W                      | 50                                     | 50              | 70              | 70              | 80              | 80              | 100             | 120             | 120     |
|                          | Heating          | W                      | 50                                     | 50              | 70              | 70              | 80              | 80              | 100             | 120             | 120     |
| Sound Pressure           | dB(A)            | 29/24/22               | 29/24/22                               | 35/25/23        | 35/25/23        | 36/25/23        | 36/25/23        | 35/25/23        | 39/26/25        | 39/26/25        |         |
| Airflow Rate             | m³/min           | 7/5.5/4.7              | 7/5.5/4.7                              | 9/5.7/4.8       | 9/5.7/4.8       | 12/6.3/5.5      | 12/6.3/5.5      | 13.5/8/7.7      | 18/9.3/8.7      | 18/9.3/8.7      |         |
| External Static Pressure | Pa               | 10(30)                 | 10(30)                                 | 10(30)          | 10(30)          | 10(30)          | 10(30)          | 10(30)          | 10(30)          | 10(30)          |         |
| Piping                   | Connection Type  | -                      | Flare-nut Connection (with Flare Nuts) |                 |                 |                 |                 |                 |                 |                 |         |
|                          | Liquid           | mm                     | φ 6.35                                 | φ 6.35          | φ 6.35          | φ 6.35          | φ 6.35          | φ 6.35          | φ 6.35          | φ 9.53          | φ 9.53  |
|                          |                  | inch                   | 1/4                                    | 1/4             | 1/4             | 1/4             | 1/4             | 1/4             | 1/4             | 3/8             | 3/8     |
|                          | Gas              | mm                     | φ 12.70                                | φ 12.70         | φ 12.70         | φ 12.70         | φ 12.70         | φ 12.70         | φ 15.88         | φ 15.88         | φ 15.88 |
|                          |                  | inch                   | 1/2                                    | 1/2             | 1/2             | 1/2             | 1/2             | 1/2             | 5/8             | 5/8             | 5/8     |
|                          | Condensate Drain | mm                     | I.D.32                                 |                 |                 |                 |                 |                 |                 |                 |         |
| Weight                   | Net Weight       | kg                     | 16                                     | 16              | 17              | 17              | 21              | 21              | 25              | 26              | 26      |
|                          | Gross Weight     | kg                     | 19                                     | 19              | 20              | 20              | 24              | 24              | 29              | 29              | 29      |
| Dimensions               | External         | H mm                   | 192                                    | 192             | 192             | 192             | 192             | 192             | 192             | 192             | 192     |
|                          |                  | W mm                   | 700                                    | 700             | 700             | 700             | 910             | 910             | 1180            | 1180            | 1180    |
|                          |                  | D mm                   | 447                                    | 447             | 447             | 447             | 447             | 447             | 447             | 447             | 447     |
|                          | Packaging        | H mm                   | 270                                    | 270             | 270             | 270             | 270             | 270             | 270             | 270             | 270     |
|                          |                  | W mm                   | 925                                    | 925             | 925             | 925             | 1136            | 1136            | 1406            | 1406            | 1406    |
|                          |                  | D mm                   | 574                                    | 574             | 574             | 574             | 574             | 574             | 574             | 574             | 574     |

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:  
 Cooling Operation Conditions  
 Indoor Air Inlet Temperature: 27°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.

### R32 | R410A

### Ceiling Ducted (DC Low Height)



| Model                    |                  | AVE-05HJDDH                 | AVE-07HJDDH                           | AVE-09HJDDH       | AVE-12HJDDH       | AVE-15HJDDH       | AVE-19HJDDH       | AVE-24HJDDH       |                   |
|--------------------------|------------------|-----------------------------|---------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Power supply             |                  | AC 1 φ, 220V-240V/50Hz/60Hz |                                       |                   |                   |                   |                   |                   |                   |
| Capacity                 | Cooling          | kW                          | 1.7                                   | 2.2               | 2.8               | 3.6               | 4.5               | 5.6               | 7.1               |
|                          |                  | Btu/h                       | 5,800                                 | 7,500             | 9,600             | 12,300            | 15,300            | 19,100            | 24,200            |
|                          | Heating          | kW                          | 1.9                                   | 2.5               | 3.2               | 4.0               | 5.0               | 6.3               | 8.0               |
|                          |                  | Btu/h                       | 6,500                                 | 8,500             | 11,300            | 13,600            | 17,100            | 21,500            | 27,300            |
| Power Input              | Cooling          | W                           | 30                                    | 30                | 50                | 50                | 60                | 60                | 90                |
|                          | Heating          | W                           | 30                                    | 30                | 50                | 50                | 60                | 60                | 90                |
| Sound Pressure           | dB(A)            | 28/27/26/24/23/21           | 28/27/26/24/23/21                     | 35/32/32/30/26/23 | 35/32/32/30/26/23 | 35/32/32/30/26/23 | 35/32/32/30/26/23 | 35/32/30/28/25/23 | 38/36/35/33/31/24 |
| Air Flow Rate            | m³/min           | 7.0/6.5/6.1/                | 7.0/6.5/6.1/                          | 9.0/8.1/7.3/      | 9.0/8.1/7.3/6.7/  | 12.0/10.8/9.4/    | 13.5/12.5/11.2/   | 18.0/16.1/14.3/   |                   |
| External Static Pressure | Pa               | 5.7/5.3/4.8                 | 5.7/5.3/4.8                           | 6.7/5.9/5.2       | 5.9/5.2           | 8.1/6.8/5.5       | 10.0/8.8/7.7      | 12.3/10.5/8.7     |                   |
| External Static Pressure | Pa               | 10(10-30-50)                |                                       |                   |                   |                   |                   |                   |                   |
| Piping                   | Connection Type  | -                           | Flare-nut Connection(with Flare Nuts) |                   |                   |                   |                   |                   |                   |
|                          | Liquid           | mm                          | φ6.35                                 | φ6.35             | φ6.35             | φ6.35             | φ6.35             | φ6.35             | φ9.53             |
|                          |                  | inch                        | 1/4                                   | 1/4               | 1/4               | 1/4               | 1/4               | 1/4               | 3/8               |
|                          | Gas              | mm                          | φ12.7                                 | φ12.7             | φ12.7             | φ12.7             | φ12.7             | φ15.88            | φ15.88            |
|                          |                  | inch                        | 1/2                                   | 1/2               | 1/2               | 1/2               | 1/2               | 5/8               | 5/8               |
|                          | Condensate Drain | mm                          | I.D.32                                |                   |                   |                   |                   |                   |                   |
| Weight                   | Net Weight       | kg                          | 16                                    | 16                | 17                | 17                | 20                | 24                | 24                |
|                          | Gross Weight     | kg                          | 19                                    | 19                | 20                | 20                | 24                | 29                | 29                |
| Dimensions               | External         | H mm                        | 192                                   | 192               | 192               | 192               | 192               | 192               | 192               |
|                          |                  | W mm                        | 700                                   | 700               | 700               | 700               | 910               | 1180              | 1180              |
|                          |                  | D mm                        | 447                                   | 447               | 447               | 447               | 447               | 447               | 447               |
|                          | Packaging        | H mm                        | 270                                   | 270               | 270               | 270               | 270               | 270               | 270               |
|                          |                  | W mm                        | 925                                   | 925               | 925               | 925               | 1136              | 1406              | 1406              |
|                          |                  | D mm                        | 574                                   | 574               | 574               | 574               | 574               | 574               | 574               |

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:  
 Cooling Operation Conditions  
 Indoor Air Inlet Temperature: 27°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)

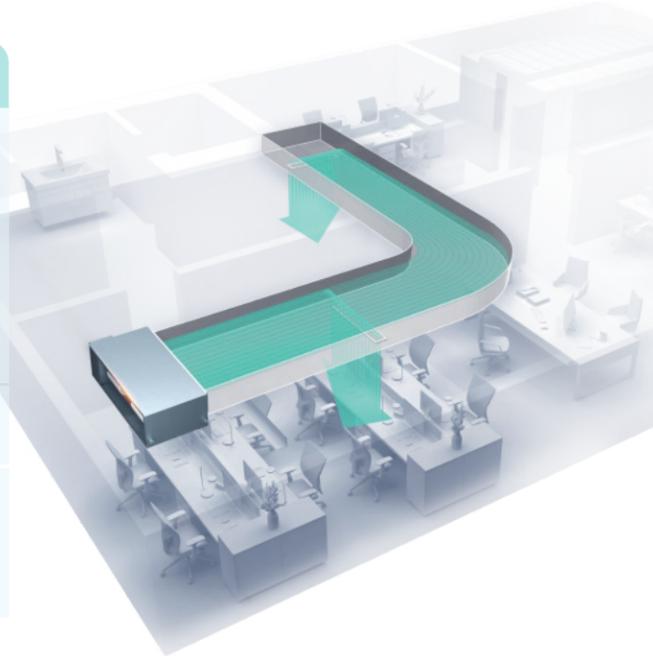
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.  
 The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

# Ceiling Ducted(High/Low Static Pressure)

## Adaptive Static Pressure&Constant Air Volume

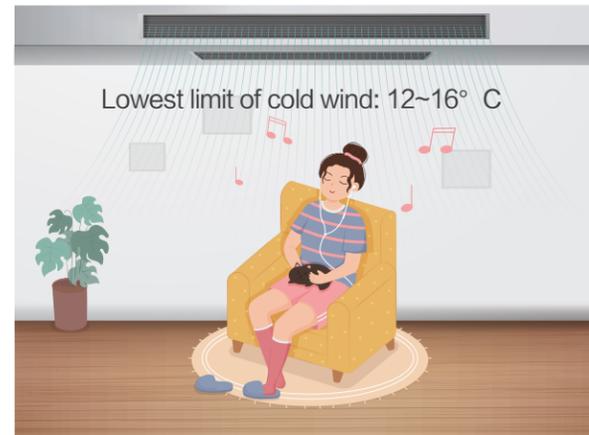
The indoor unit automatically adjusts ESP by monitoring duct static pressure to ensure optimal air volume. During commissioning, the adaptive ESP function sets the most appropriate ESP value based on actual duct resistance, while the constant airflow function maintains stable air output over time.

|                         | Adaptive Static Pressure                                 | Constant Air Volume  |
|-------------------------|--|--|
| Identification criteria | After the initial installation is completed              | ① When the accumulated operation time reaches the preset cycle (100/200/400/600 hours)<br>② When indoor unit power exceeds the threshold in fan mode<br>③ After resetting the filter |
| Recognition frequency   | One-time after installation                              | Periodic during operation  |
| Air volume              | Ensure rated air volume is reached after initial setting | Regular monitoring to maintain constant air volume throughout the operation  |



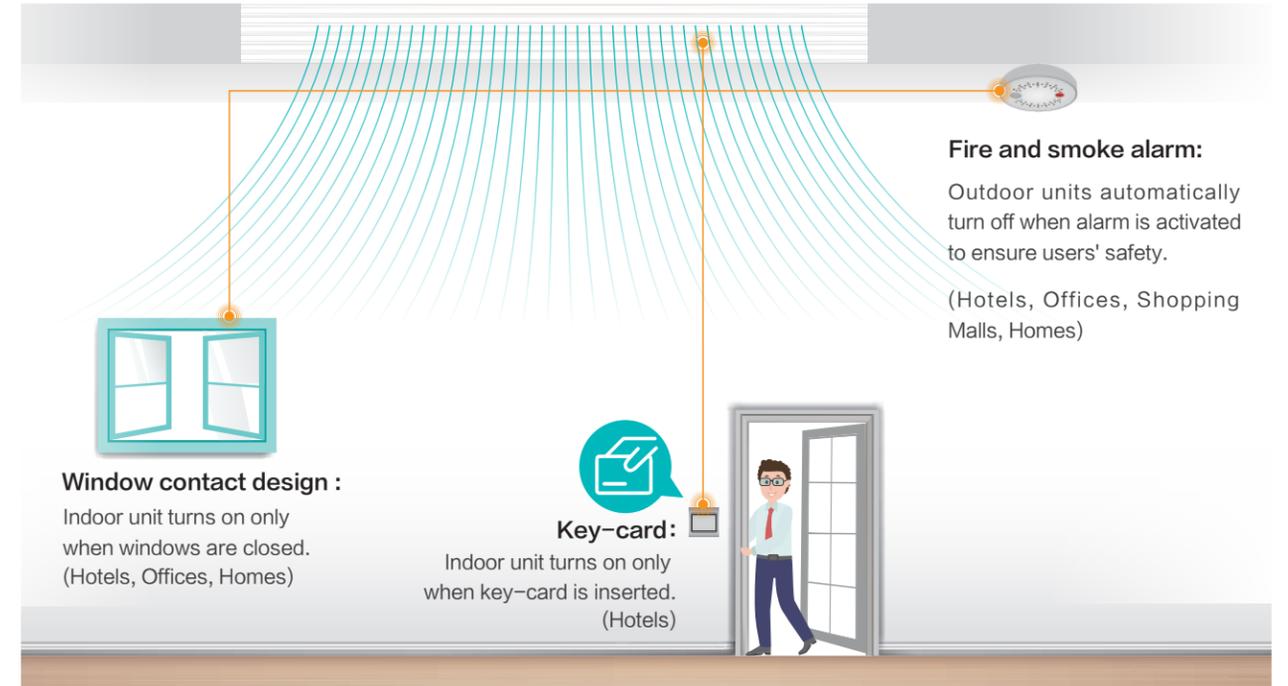
## Comfort Cooling Mode

The indoor unit can achieve comfort cooling by setting three levels of air temperature (cooler/comfort/warmer)through the wired controller. The system compares the actual air temperature with the set temperature on the controller and intelligently adjusts its operating frequency to ensure a comfortable environment for the user.



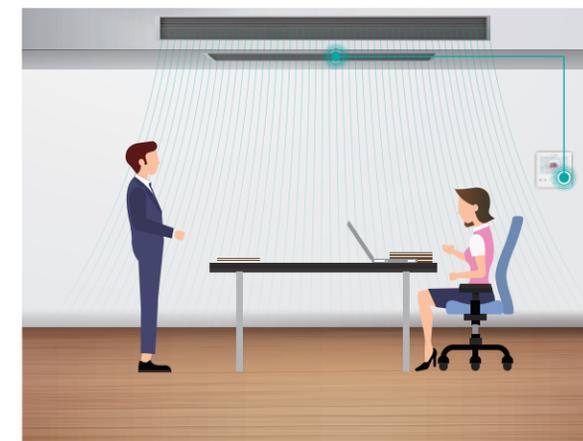
## Various Device Connection Options

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

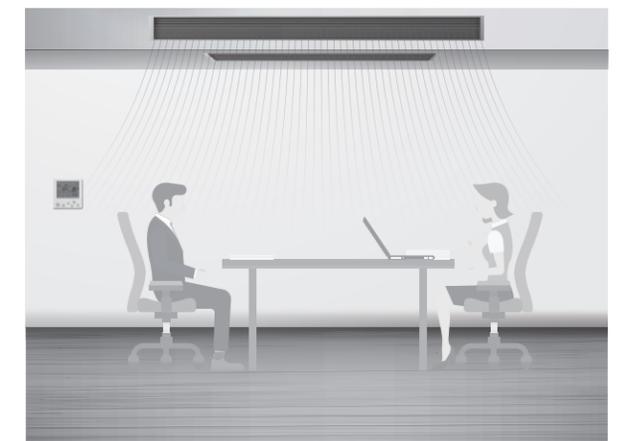


## Precise Temperature Control

Two temperature sensor are installed into the unit to send real-time signals to the controllers for a more precise temperature control.



Hisense VRF



Conventional

### Self-cleaning Function

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



### New Improved Bendable Filters

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



### Fresh Air Introducing

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



R32 | R410A

### Ceiling Ducted (DC High Static Pressure)



| Model                    |                     | AVD-07<br>HJDH                                      | AVD-09<br>HJDH                       | AVD-12<br>HJDH        | AVD-15<br>HJDH        | AVD-19<br>HJDH                | AVD-24<br>HJDH         | AVD-24<br>HJDH1             | AVD-30<br>HJDH  | AVD-38<br>HJDH        | AVD-42<br>HJDH                    | AVD-48<br>HJDH                    | AVD-54<br>HJDH                | AVD-76<br>HJDH           | AVD-96<br>HJDH                   |         |
|--------------------------|---------------------|---|--------------------------------------|-----------------------|-----------------------|-------------------------------|------------------------|-----------------------------|---|-----------------------|-----------------------------------|-----------------------------------|-------------------------------|--------------------------|----------------------------------|---------|
| Power Supply             |                     | AC 1ϕ, 220V~240V/50Hz/60Hz                          |                                      |                       |                       |                               |                        |                             |   |                       |                                   |                                   |                               |                          |                                  |         |
| Capacity                 | Cooling             | kW  | 2.2                                  | 2.8                   | 3.6                   | 4.5                           | 5.6                    | 7.1                         | 7.1   | 9.0                   | 11.2                              | 12.5                              | 14.0                          | 16.0                     | 22.4                             | 28.0    |
|                          |                     | Btu/h   | 7,500                                | 9,600                 | 12,300                | 15,400                        | 19,100                 | 24,200                      | 24,200  | 30,800                | 38,000                            | 42,000                            | 48,000                        | 54,500                   | 76,500                           | 95,600  |
|                          | Heating             | kW  | 2.5                                  | 3.2                   | 4.0                   | 4.6                           | 6.3                    | 8.0                         | 8.0   | 10.0                  | 12.5                              | 14                                | 16.0                          | 18.0                     | 25.0                             | 31.5    |
|                          |                     | Btu/h   | 8,500                                | 10,900                | 13,700                | 17,100                        | 21,600                 | 27,400                      | 27,400  | 34,200                | 42,500                            | 48,000                            | 54,500                        | 61,500                   | 85,300                           | 107,500 |
| Power Input              | Cooling             | W   | 40                                   | 40                    | 55                    | 55                            | 55                     | 82                          | 74  | 100                   | 132                               | 180                               | 180                           | 223                      | 610                              | 830     |
|                          | Heating             | W   | 40                                   | 40                    | 55                    | 55                            | 55                     | 82                          | 74  | 100                   | 132                               | 180                               | 180                           | 223                      | 610                              | 830     |
| Sound Pressure Level     | dB(A)               | 30/27/23/<br>21/20/19                               | 30/27/23/<br>21/20/19                | 35/33/32/<br>28/26/24 | 35/33/32/<br>28/26/24 | 33/30/27/<br>25/23/22         | 36/34/31/<br>28/24/22  | 33/31/28/<br>25/23/21       | 34/32/30/<br>28/25/22   | 37/35/31/<br>29/26/23 | 38/36/34/<br>31/29/26             | 38/36/34/<br>31/29/26             | 41/38/35/<br>33/30/27         | 49/48/47/<br>46/45/44    | 53/52/50/<br>49/47/45            |         |
| Airflow Rate             | m <sup>3</sup> /min | 9/8/6.8/<br>6.3/5.8/5.3                             | 9/8/6.8/<br>6.3/5.8/5.3              | 12/11/10/<br>9/8/7.2  | 12/11/10/<br>9/8/7.2  | 14.5/13/11.5/<br>10.5/9.5/8.7 | 19/17/15/<br>13/11/9.5 | 20.6/19/17/<br>15/13.8/12.5 | 25/23/21/<br>19/17/15   | 28/25/23/<br>21/19/17 | 35.5/32.5/29.5/<br>26.5/23.5/20.5 | 35.5/32.5/29.5/<br>26.5/23.5/20.5 | 39/35.5/31/<br>26.5/23.5/21.8 | 57/54/52/<br>51/49/48    | 72/68/65/<br>61/58/50            |         |
| External Static Pressure | Pa                  | 30 ( 30/40/50/60/70/80/90/100/110/120/130/140/150 ) |                                      |                       |                       |                               |                        |                             | 50 ( 50/60/70/80/90/100/110/120/130/140/150/160/170/180/190/200 ) |                       |                                   |                                   |                               | 150(50-250)              | 150(50-250)                      |         |
| Piping                   | Connection Type     | -   | Flare-Nut Connection(With Flare Nut) |                       |                       |                               |                        |                             |   |                       |                                   |                                   | Brazing                       |                          |                                  |         |
|                          | Liquid              | mm  | ϕ6.35                                | ϕ6.35                 | ϕ6.35                 | ϕ6.35                         | ϕ6.35                  | ϕ9.53                       | ϕ9.53   | ϕ9.53                 | ϕ9.53                             | ϕ9.53                             | ϕ9.53                         | ϕ9.53                    | ϕ9.53                            | ϕ9.53   |
|                          |                     | inch  | 1/4                                  | 1/4                   | 1/4                   | 1/4                           | 1/4                    | 3/8                         | 3/8   | 3/8                   | 3/8                               | 3/8                               | 3/8                           | 3/8                      | 3/8                              | 3/8     |
|                          | Gas                 | mm  | ϕ12.7                                | ϕ12.7                 | ϕ12.7                 | ϕ12.7                         | ϕ15.88                 | ϕ15.88                      | ϕ15.88  | ϕ15.88                | ϕ15.88                            | ϕ15.88                            | ϕ15.88                        | ϕ15.88                   | ϕ22.2<br>(ϕ19.05 <sup>*1</sup> ) | ϕ22.2   |
| inch                     |                     | 1/2   | 1/2                                  | 1/2                   | 1/2                   | 5/8                           | 5/8                    | 5/8                         | 5/8   | 5/8                   | 5/8                               | 5/8                               | 5/8                           | 7/8 (3/4 <sup>*1</sup> ) | 7/8                              |         |
| Condensate Drain         | -                   | I.D. 32   |                                      |                       |                       |                               |                        |                             |   |                       |                                   |                                   |                               |                          |                                  |         |
| Weight                   | Net Weight          | kg  | 23                                   | 23                    | 24                    | 24                            | 30                     | 30                          | 40  | 40                    | 40                                | 49                                | 49                            | 49                       | 104                              | 104     |
|                          | Gross Weight        | kg  | 29                                   | 29                    | 30                    | 30                            | 37                     | 37                          | 48  | 48                    | 48                                | 57                                | 57                            | 57                       | 125                              | 125     |
| Dimensions               | External            | H mm  | 270                                  | 270                   | 270                   | 270                           | 270                    | 270                         | 300   | 300                   | 300                               | 300                               | 300                           | 300                      | 470                              | 470     |
|                          |                     | W mm  | 650+75                               | 650+75                | 650+75                | 650+75                        | 900+75                 | 900+75                      | 1100+75   | 1100+75               | 1100+75                           | 1400+75                           | 1400+75                       | 1400+75                  | 1250                             | 1250    |
|                          |                     | D mm  | 720                                  | 720                   | 720                   | 720                           | 720                    | 720                         | 800   | 800                   | 800                               | 800                               | 800                           | 800                      | 1120                             | 1120    |
|                          | Packing             | H mm  | 385                                  | 385                   | 385                   | 385                           | 385                    | 385                         | 415   | 415                   | 415                               | 415                               | 415                           | 415                      | 546                              | 546     |
|                          |                     | W mm  | 895                                  | 895                   | 895                   | 895                           | 1140                   | 1140                        | 1345  | 1345                  | 1345                              | 1640                              | 1640                          | 1640                     | 1466                             | 1466    |
|                          |                     | D mm  | 870                                  | 870                   | 870                   | 870                           | 870                    | 870                         | 950   | 950                   | 950                               | 950                               | 950                           | 950                      | 1270                             | 1270    |

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)  
Heating Operation Conditions  
Indoor Air Inlet Temperature: 20° C DB(68° F DB).  
Outdoor Air Inlet Temperature: 7° C DB(45° F DB), 6° C WB(43° F WB)  
Piping Length: 7.5 Meters Piping Lift: 0 Meter

- The sound pressure level is based on following conditions.  
1.5m below the unit; With 2.0m discharge duct and 1.0m return duct  
The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
- \*1: The size of AVD-76° series gas pipe is ϕ22.2mm when leaving the factory, and the diameter can be changed to 19.05mm after welding the adapter pipe.

### Ceiling Ducted (High Static Pressure)



| Model                    | AVD-07<br>HCFCH            | AVD-09<br>HCFCH | AVD-12H<br>CFCH                        | AVD-15H<br>CFCH          | AVD-19<br>HCFCH          | AVD-22<br>HCFCH          | AVD-24<br>HCFCH          | AVD-27<br>HCFCH          | AVD-30<br>HCFCH          | AVD-38<br>HCFCH          | AVD-48<br>HCFCH          | AVD-54<br>HCFCH          |                          |                          |
|--------------------------|----------------------------|-----------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Power Supply             | AC 1 φ, 220V-240V/50Hz     |                 |  |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Model                    | AVD-07<br>H3FCH            | AVD-09<br>H3FCH | AVD-12<br>H3FCH                        | AVD-15<br>H3FCH          | AVD-19<br>H3FCH          | AVD-22<br>H3FCH          | AVD-24<br>H3FCH          | AVD-27<br>H3FCH          | AVD-30<br>H3FCH          | AVD-38<br>H3FCH          | AVD-48<br>H3FCH          | AVD-54<br>H3FCH          |                          |                          |
| Power Supply             | AC 1 φ, 208-230V/60Hz      |                 |  |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Capacity                 | Cooling                    | kW              | 2.2                                    | 2.8                      | 3.6                      | 4.5                      | 5.6                      | 6.3                      | 7.1                      | 8.0                      | 9.0                      | 11.2                     | 14.0                     | 16.0                     |
|                          |                            | Btu/h           | 7,500                                  | 9,600                    | 12,300                   | 15,400                   | 19,100                   | 21,600                   | 24,200                   | 27,400                   | 30,800                   | 38,000                   | 48,000                   | 54,500                   |
| Capacity                 | Heating                    | kW              | 2.5                                    | 3.2                      | 4.0                      | 5.0                      | 6.3                      | 7.1                      | 8.0                      | 9.0                      | 10.0                     | 12.5                     | 16.0                     | 18.0                     |
|                          |                            | Btu/h           | 8,500                                  | 10,900                   | 13,700                   | 17,100                   | 21,600                   | 24,200                   | 27,400                   | 30,800                   | 34,200                   | 42,500                   | 54,500                   | 61,500                   |
| Power Input              | Cooling                    | kW              | 0.10(0.13 <sup>*</sup> )               | 0.10(0.13 <sup>*</sup> ) | 0.13(0.16 <sup>*</sup> ) | 0.13(0.16 <sup>*</sup> ) | 0.14(0.21 <sup>*</sup> ) | 0.19(0.24 <sup>*</sup> ) | 0.19(0.24 <sup>*</sup> ) | 0.25(0.34 <sup>*</sup> ) | 0.25(0.34 <sup>*</sup> ) | 0.25(0.34 <sup>*</sup> ) | 0.34(0.45 <sup>*</sup> ) | 0.43(0.59 <sup>*</sup> ) |
|                          | Heating                    | kW              | 0.10(0.13 <sup>*</sup> )               | 0.10(0.13 <sup>*</sup> ) | 0.13(0.16 <sup>*</sup> ) | 0.13(0.16 <sup>*</sup> ) | 0.14(0.21 <sup>*</sup> ) | 0.19(0.24 <sup>*</sup> ) | 0.19(0.24 <sup>*</sup> ) | 0.25(0.34 <sup>*</sup> ) | 0.25(0.34 <sup>*</sup> ) | 0.25(0.34 <sup>*</sup> ) | 0.34(0.45 <sup>*</sup> ) | 0.43(0.59 <sup>*</sup> ) |
| Sound Pressure           | 220-240V/50Hz              | dB(A)           | 32/27/25                               | 32/27/25                 | 35/32/26                 | 35/32/26                 | 36/35/30                 | 39/32/25                 | 39/32/25                 | 42/39/34                 | 42/39/34                 | 42/39/34                 | 43/40/35                 | 46/40/35                 |
|                          | 208V/60Hz                  | dB(A)           | 33/28/24                               | 33/28/24                 | 37/34/29                 | 37/34/29                 | 37/35/29                 | 39/32/25                 | 39/32/25                 | 42/38/33                 | 42/38/33                 | 42/38/33                 | 44/39/34                 | 45/40/34                 |
|                          | 230V/60Hz                  | dB(A)           | 37/33/28                               | 37/33/28                 | 40/38/33                 | 40/38/33                 | 42/40/34                 | 43/37/30                 | 43/37/30                 | 44/42/37                 | 44/42/37                 | 44/42/37                 | 47/43/38                 | 46/42/38                 |
| Air Flow(Hi/Me/Lo)       | m <sup>3</sup> /min        | 9/7/6           | 9/7/6                                  | 12/10/8.5                | 12/10/8.5                | 15/13/10                 | 19/14/10                 | 19/14/10                 | 28/24/19.5               | 28/24/19.5               | 28/24/19.5               | 35.5/29/24               | 39/31/24                 |                          |
| External Static Pressure | 220-240V/50Hz<br>208V/60Hz | Pa              | 50(80)                                 | 50(80)                   | 50(80)                   | 50(80)                   | 50(80)                   | 50(80)                   | 50(80)                   | 120(90)                  | 120(90)                  | 120(90)                  | 120(90)                  |                          |
|                          | 230V/60Hz                  | Pa              | 80(105)                                | 80(105)                  | 90(115)                  | 90(115)                  | 90(115)                  | 90(115)                  | 90(115)                  | 170(150)                 | 170(150)                 | 170(150)                 | 170(150)                 |                          |
| Piping                   | Connection Type            | -               | Flare-nut Connection (with Flare Nuts) |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
|                          | Liquid                     | mm              | φ 6.35                                 | φ 6.35                   | φ 6.35                   | φ 6.35                   | φ 6.35                   | φ 9.53                   |
|                          |                            | inch            | 1/4                                    | 1/4                      | 1/4                      | 1/4                      | 1/4                      | 3/8                      | 3/8                      | 3/8                      | 3/8                      | 3/8                      | 3/8                      | 3/8                      |
|                          | Gas                        | mm              | φ 12.70                                | φ 12.70                  | φ 12.70                  | φ 12.70                  | φ 15.88                  |
|                          |                            | 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                      |
| Condensate Drain         | mm                         | I.D.32          |  |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |                          |
| Weight                   | Net Weight                 | kg              | 25(24 <sup>*</sup> )                   | 25(24 <sup>*</sup> )     | 25(24 <sup>*</sup> )     | 25(24 <sup>*</sup> )     | 30(31 <sup>*</sup> )     | 30(31 <sup>*</sup> )     | 30(31 <sup>*</sup> )     | 45(44 <sup>*</sup> )     | 45(44 <sup>*</sup> )     | 45(44 <sup>*</sup> )     | 53(50 <sup>*</sup> )     | 53(50 <sup>*</sup> )     |
|                          | Gross Weight               | kg              | 29(30 <sup>*</sup> )                   | 29(30 <sup>*</sup> )     | 31(30 <sup>*</sup> )     | 31(30 <sup>*</sup> )     | 37(38 <sup>*</sup> )     | 37(38 <sup>*</sup> )     | 37(38 <sup>*</sup> )     | 52(52 <sup>*</sup> )     | 52(52 <sup>*</sup> )     | 52(52 <sup>*</sup> )     | 62(59 <sup>*</sup> )     | 62(59 <sup>*</sup> )     |
| Dimensions               | External                   | H mm            | 270                                    | 270                      | 270                      | 270                      | 270                      | 270                      | 270                      | 300                      | 300                      | 300                      | 300                      | 300                      |
|                          |                            | W mm            | 650+75                                 | 650+75                   | 650+75                   | 650+75                   | 900+75                   | 900+75                   | 900+75                   | 1100+75                  | 1100+75                  | 1100+75                  | 1400+75                  | 1400+75                  |
|                          |                            | D mm            | 720                                    | 720                      | 720                      | 720                      | 720                      | 720                      | 720                      | 800                      | 800                      | 800                      | 800                      | 800                      |
|                          | Packaging                  | H mm            | 385                                    | 385                      | 385                      | 385                      | 385                      | 385                      | 385                      | 415                      | 415                      | 415                      | 415                      | 415                      |
|                          |                            | W mm            | 895                                    | 895                      | 895                      | 895                      | 1140                     | 1140                     | 1140                     | 1345                     | 1345                     | 1345                     | 1640                     | 1640                     |
|                          |                            | D mm            | 870                                    | 870                      | 870                      | 870                      | 870                      | 870                      | 870                      | 950                      | 950                      | 950                      | 950                      | 950                      |

Notes:  
 1.The nominal cooling capacity and heating capacity are based on the following conditions:  
 Cooling Operation Conditions  
 Indoor Air Inlet Temperature: 27°C DB (80°F DB), 19.0°C WB (66.2°F WB)  
 Outdoor Air Inlet Temperature: 35°C DB (95°F DB)  
 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.  
 \*: The value noted \* is the parameter of the indoor units with power supply 208-230V/60Hz.

### Ceiling Ducted (Low Static Pressure)



| Model                    | AVD-07<br>HCFCL        | AVD-09<br>HCFCL | AVD-12<br>HCFCL                        | AVD-15<br>HCFCL | AVD-19<br>HCFCL | AVD-22<br>HCFCL | AVD-24<br>HCFCL | AVD-27<br>HCFCL | AVD-30<br>HCFCL | AVD-38<br>HCFCL | AVD-48<br>HCFCL | AVD-54<br>HCFCL |          |         |
|--------------------------|------------------------|-----------------|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------|---------|
| Power Supply             | AC 1 φ, 220V-240V/50Hz |                 |  |                 |                 |                 |                 |                 |                 |                 |                 |                 |          |         |
| Capacity                 | Cooling                | kW              | 2.2                                    | 2.8             | 3.6             | 4.5             | 5.6             | 6.3             | 7.1             | 8.0             | 9.0             | 11.2            | 14.0     | 16.0    |
|                          |                        | Btu/h           | 7,500                                  | 9,600           | 12,300          | 15,400          | 19,100          | 21,600          | 24,200          | 27,400          | 30,800          | 38,000          | 48,000   | 54,500  |
| Capacity                 | Heating                | kW              | 2.5                                    | 3.2             | 4.0             | 5.0             | 6.3             | 7.1             | 8.0             | 9.0             | 10.0            | 12.5            | 16.0     | 18.0    |
|                          |                        | Btu/h           | 8,500                                  | 10,900          | 13,700          | 17,100          | 21,600          | 24,200          | 27,400          | 30,800          | 34,200          | 42,500          | 54,500   | 61,500  |
| Power Input              | Cooling                | W               | 60                                     | 60              | 110             | 110             | 90              | 160             | 160             | 240             | 240             | 240             | 290      | 360     |
|                          | Heating                | W               | 60                                     | 60              | 110             | 110             | 90              | 160             | 160             | 240             | 240             | 240             | 290      | 360     |
| Sound Pressure           | dB(A)                  | 27/23/21        | 27/23/21                               | 34/30/25        | 34/30/25        | 32/30/26        | 35/28/24        | 35/28/24        | 38/33/30        | 38/33/30        | 38/33/30        | 41/38/33        | 44/39/33 |         |
| Air Flow Rate (Hi/Me/Lo) | m <sup>3</sup> /min    | 9/7/6           | 9/7/6                                  | 12/10/8.5       | 12/10/8.5       | 15/13/10        | 19/14/10        | 19/14/10        | 28/24/19.5      | 28/24/19.5      | 28/24/19.5      | 35.5/29/24      | 39/31/24 |         |
| External Static Pressure | Pa                     | 30              | 30                                     | 30              | 30              | 30              | 30              | 60              | 60              | 60              | 60              | 60              |          |         |
| Piping                   | Connection Type        | -               | Flare-nut Connection (with Flare Nuts) |                 |                 |                 |                 |                 |                 |                 |                 |                 |          |         |
|                          | Liquid                 | mm              | φ 6.35                                 | φ 6.35          | φ 6.35          | φ 6.35          | φ 6.35          | φ 9.53          | φ 9.53   | φ 9.53  |
|                          |                        | inch            | 1/4                                    | 1/4             | 1/4             | 1/4             | 1/4             | 3/8             | 3/8             | 3/8             | 3/8             | 3/8             | 3/8      | 3/8     |
|                          | Gas                    | mm              | φ 12.70                                | φ 12.70         | φ 12.70         | φ 12.70         | φ 15.88         | φ 15.88  |         |
|                          |                        | 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         | mm                     | I.D.32          |  |                 |                 |                 |                 |                 |                 |                 |                 |                 |          |         |
| Weight                   | Net Weight             | kg              | 25                                     | 25              | 25              | 25              | 30              | 30              | 30              | 45              | 45              | 45              | 52       | 52      |
|                          | Gross Weight           | kg              | 31                                     | 31              | 31              | 31              | 36              | 37              | 37              | 52              | 52              | 52              | 61       | 61      |
| Dimensions               | External               | H mm            | 270                                    | 270             | 270             | 270             | 270             | 270             | 270             | 300             | 300             | 300             | 300      | 300     |
|                          |                        | W mm            | 650+75                                 | 650+75          | 650+75          | 650+75          | 900+75          | 900+75          | 900+75          | 1100+75         | 1100+75         | 1100+75         | 1400+75  | 1400+75 |
|                          |                        | D mm            | 720                                    | 720             | 720             | 720             | 720             | 720             | 720             | 800             | 800             | 800             | 800      | 800     |
|                          | Packaging              | H mm            | 385                                    | 385             | 385             | 385             | 385             | 385             | 385             | 415             | 415             | 415             | 415      | 415     |
|                          |                        | W mm            | 895                                    | 895             | 895             | 895             | 1140            | 1140            | 1140            | 1345            | 1345            | 1345            | 1640     | 1640    |
|                          |                        | D mm            | 870                                    | 870             | 870             | 870             | 870             | 870             | 870             | 950             | 950             | 950             | 950      | 950     |

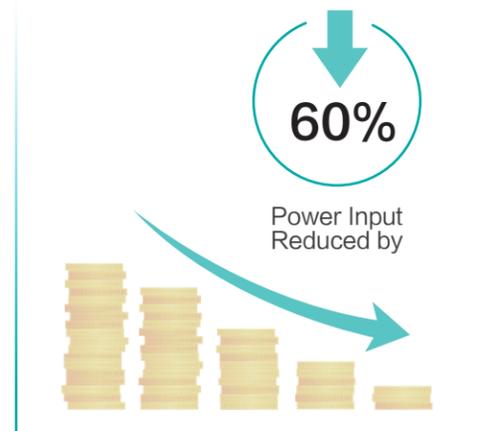
Notes:  
 1.The nominal cooling capacity and heating capacity are based on the following conditions:  
 Cooling Operation Conditions  
 Indoor Air Inlet Temperature: 27°C DB (80°F DB), 19.0°C WB (66.2°F WB)  
 Outdoor Air Inlet Temperature: 35°C DB (95°F DB)  
 Piping Length: 7.5 Meters Piping Lift: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

RELIABILITY  
 EFFICIENCY  
 COMFORT  
 FLEXIBILITY  
 OUTDOOR UNIT  
 INDOOR UNIT  
 CONTROL SYSTEM  
 ACCESSORY

# Wall Mounted

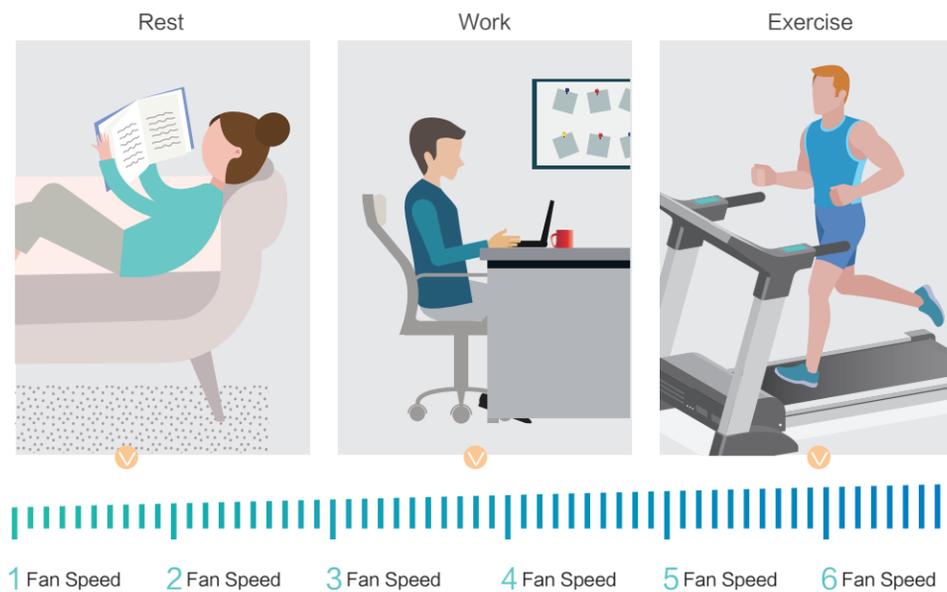
## High-efficiency DC Fan Motor

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



## 6 Fan Speed

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



## Self-cleaning Function

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



R32 | R410A

## Wall Mounted



| Model            |                     | AVS-05<br>HJDTD            | AVS-07<br>HJDTD                       | AVS-09<br>HJDTD             | AVS-12<br>HJDTD             | AVS-15<br>HJDTD              | AVS-19<br>HJDTD                | AVS-24<br>HJDTD                   | AVS-28<br>HJDTD                   |                                   |      |
|------------------|---------------------|----------------------------|---------------------------------------|-----------------------------|-----------------------------|------------------------------|--------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------|
| Power Supply     |                     | AC 1ϕ, 220V~240V/50Hz/60Hz |                                       |                             |                             |                              |                                |                                   |                                   |                                   |      |
| Capacity         | Cooling             | kW                         | 1.7                                   | 2.2                         | 2.8                         | 3.6                          | 4.5                            | 5.6                               | 7.1                               | 8.4                               |      |
|                  |                     | Btu/h                      | 5,800                                 | 7,500                       | 9,600                       | 12,300                       | 15,400                         | 19,100                            | 24,200                            | 28,700                            |      |
|                  | Heating             | kW                         | 2.0                                   | 2.5                         | 3.3                         | 4.0                          | 5.0                            | 6.3                               | 8.0                               | 8.4                               |      |
|                  |                     | Btu/h                      | 6,500                                 | 8,500                       | 11,300                      | 13,700                       | 17,100                         | 21,500                            | 27,300                            | 28,700                            |      |
| Power Input      | Cooling             | W                          | 20                                    | 20                          | 20                          | 30                           | 20                             | 30                                | 50                                | 80                                |      |
|                  | Heating             | W                          | 20                                    | 20                          | 20                          | 30                           | 30                             | 30                                | 70                                | 80                                |      |
| Sound Pressure   |                     | dB(A)                      | 33/32/32/<br>30/30/28                 | 36/35/33/<br>32/30/28       | 36/35/33/<br>32/30/28       | 38/35/33/<br>32/30/28        | 38/37/36/<br>32/31/29          | 40/38/36/<br>35/33/31             | 45/42/41/<br>38/35/31             | 50/48/45/<br>41/36/33             |      |
|                  | Airflow Rate        | m <sup>3</sup> /min        | 8.7/8.3/8.2/<br>7.5/7.2/7.0           | 9.8/9.2/8.7/<br>8.2/7.5/7.0 | 9.8/9.2/8.7/<br>8.2/7.5/7.0 | 10.3/9.2/8.7/<br>8.2/7.5/7.0 | 11.5/11.0/10.3/<br>9.0/8.7/8.0 | 16.2/15.0/14.2/<br>13.3/12.2/11.5 | 20.0/18.0/17.0/<br>15.0/13.3/11.7 | 23.3/22.0/20.0/<br>17.0/14.2/12.2 |      |
| Panel Colour     |                     | White                      |                                       |                             |                             |                              |                                |                                   |                                   |                                   |      |
| Piping           | Connection Type     |                            | Flare-nut Connection(with Flare Nuts) |                             |                             |                              |                                |                                   |                                   |                                   |      |
|                  | Liquid              | mm                         | ϕ6.35                                 | ϕ6.35                       | ϕ6.35                       | ϕ6.35                        | ϕ6.35                          | ϕ9.53                             | ϕ9.53                             | ϕ9.53                             |      |
|                  |                     | inch                       | 1/4                                   | 1/4                         | 1/4                         | 1/4                          | 1/4                            | 3/8                               | 3/8                               | 3/8                               |      |
|                  | Gas                 | mm                         | ϕ9.53                                 | ϕ9.53                       | ϕ9.53                       | ϕ9.53                        | ϕ12.7                          | ϕ15.88                            | ϕ15.88                            | ϕ15.88                            |      |
| inch             |                     | 3/8                        | 3/8                                   | 3/8                         | 3/8                         | 1/2                          | 5/8                            | 5/8                               | 5/8                               |                                   |      |
| Condensate Drain |                     | O.D. 22                    |                                       |                             |                             |                              |                                |                                   |                                   |                                   |      |
| Weight           | Net Weight          | kg                         | 9.5                                   | 9.5                         | 9.5                         | 9.5                          | 13.0                           | 14.4                              | 14.4                              | 14.4                              |      |
|                  | Gross Weight        | kg                         | 13.4                                  | 13.4                        | 13.4                        | 13.4                         | 17.8                           | 19.4                              | 19.4                              | 19.4                              |      |
| Dimensions       | External Dimension  | H                          | mm                                    | 270                         | 270                         | 270                          | 270                            | 315                               | 315                               | 315                               | 315  |
|                  |                     | W                          | mm                                    | 845                         | 845                         | 845                          | 845                            | 960                               | 1120                              | 1120                              | 1120 |
|                  |                     | D                          | mm                                    | 203                         | 203                         | 203                          | 203                            | 230                               | 230                               | 230                               | 230  |
|                  | Packaging Dimension | H                          | mm                                    | 375                         | 375                         | 375                          | 375                            | 430                               | 430                               | 430                               | 430  |
|                  |                     | W                          | mm                                    | 943                         | 943                         | 943                          | 943                            | 1058                              | 1223                              | 1223                              | 1223 |
|                  |                     | D                          | mm                                    | 310                         | 310                         | 310                          | 310                            | 328                               | 328                               | 328                               | 328  |

Notes:

1. The rated capacity is based on the following conditions:

Cooling conditions: indoor air inlet temperature: 27°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 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.

# Floor Standing

## 3D Air Flow

The adjustable louvers allows for independent control, delivering 3D airflow both vertically and horizontally to reach every corner of the room.



## 22m Air Supply

Maximum 22m long-distance air supply can be achieved at high fan speed. You can choose from high, medium, low, or auto fan speed modes to cater to different needs.



## Self-cleaning Function

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



## Flexible Installation

Piping can be connected in three directions: left, right, and rear, offering flexible positioning and simple installation.



| Model          |                     | AVF-36H2FDA                 | AVF-48H2FDA                           | AVF-56H2FDA  | AVF-96H2FDA  |                 |      |
|----------------|---------------------|-----------------------------|---------------------------------------|--------------|--------------|-----------------|------|
| Power Supply   |                     | AC 1 Φ, 220V~240V/50Hz/60Hz |                                       |              |              |                 |      |
| Capacity       | Cooling             | kW                          | 11.2                                  | 14.0         | 16.0         | 28.0            |      |
|                |                     | Btu/h                       | 38,000                                | 48,000       | 54,500       | 95,500          |      |
| Capacity       | Heating             | kW                          | 12.5                                  | 16.0         | 18.0         | 31.0            |      |
|                |                     | Btu/h                       | 42,500                                | 54,500       | 61,500       | 105,700         |      |
| Power Input    | Cooling             | W                           | 58                                    | 174          | 282          | 797             |      |
|                | Heating             | W                           | 58                                    | 174          | 282          | 797             |      |
| Sound Pressure | dB(A)               | 41/39/37                    | 51/47/43                              | 56/54/51     | 62/60/57     |                 |      |
| Air Flow Rate  | m <sup>3</sup> /min | 26.7/25.3/22.2              | 40/35.7/31.3                          | 45.8/42.5/40 | 83.2/70.7/61 |                 |      |
| Piping         | Connection Type     | -                           | Flare-nut Connection(with Flare Nuts) |              |              | Brazing         |      |
|                | Liquid              | mm                          | Φ9.53                                 | Φ9.53        | Φ9.53        | Φ9.53           |      |
|                |                     | inch                        | 3/8                                   | 3/8          | 3/8          | 3/8             |      |
|                | Gas                 | mm                          | Φ15.88                                | Φ15.88       | Φ15.88       | Φ22.2           |      |
|                |                     | inch                        | 5/8                                   | 5/8          | 5/8          | 7/8             |      |
|                | Condensate Drain    | mm                          |                                       | VP16         |              | RC1 (I.D. 25.4) |      |
| Weight         | Net Weight          | kg                          | 59                                    | 59           | 59           | 136             |      |
|                | Gross Weight        | kg                          | 71                                    | 71           | 71           | 152             |      |
| Dimensions     | External            | H                           | mm                                    | 1928         | 1928         | 1928            | 1850 |
|                |                     | W                           | mm                                    | 665          | 665          | 665             | 1200 |
|                |                     | D                           | mm                                    | 415          | 415          | 415             | 425  |
|                | Packaging           | H                           | mm                                    | 2065         | 2065         | 2065            | 2010 |
|                |                     | W                           | mm                                    | 800          | 800          | 800             | 1260 |
|                |                     | D                           | mm                                    | 530          | 530          | 530             | 490  |

Notes:

1. 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 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 an anechoic chamber so that reflected sound should be taken into consideration during actual operation.

# Ceiling & Floor

## Sleek Design

The glossy white cover panel features a smooth and elegant design. The bolts and nuts used for mounting the unit on the wall or ceiling are concealed, ensuring seamless integration into the room's interior.



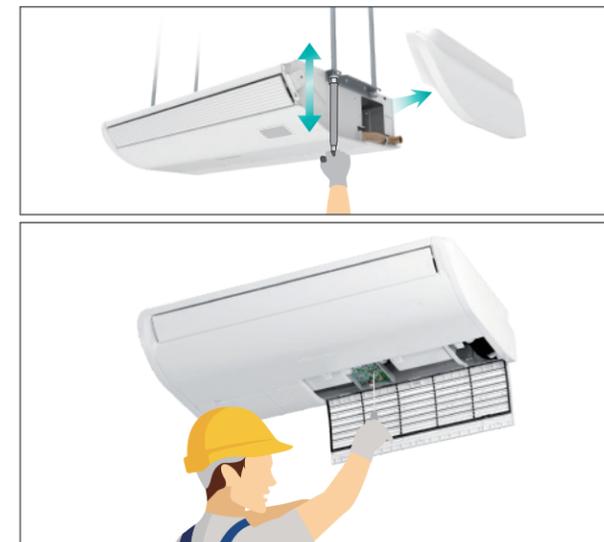
## Flexible Installation

The unit can be installed either on the floor or mounted on the ceiling.



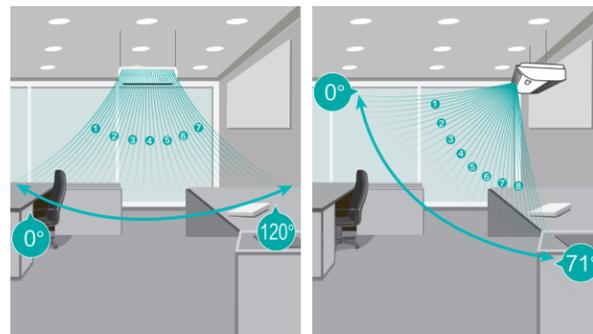
## Convenient Installation and Maintenance

You can effortlessly adjust the installation height by opening the side panel. With duct connections and the electrical box located behind the return air panel, maintenance is also easier.



## Wide Air Supply

Louvers consist of horizontal and vertical slats to cover larger coverage area to every corner. 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.



| Model                |                     | AVV-17URSCA                | AVV-18URSCA                            | AVV-22URSCA    | AVV-24URSCA    | AVV-27URSCB    | AVV-30URSCB    | AVV-38URSCB    | AVV-48URSCC    |          |  |
|----------------------|---------------------|----------------------------|--|----------------|----------------|----------------|----------------|----------------|----------------|----------|--|
| Power Supply         |                     | AC 1Φ, 220V~240V/50Hz/60Hz |  |                |                |                |                |                |                |          |  |
| Capacity             | Cooling             | kW                         | 5.0                                    | 5.6            | 6.3            | 7.1            | 8.4            | 9.0            | 11.2           | 14.2     |  |
|                      |                     | Btu/h                      | 17,100                                 | 19,100         | 21,500         | 24,200         | 28,700         | 30,700         | 38,200         | 48,500   |  |
|                      | Heating             | kW                         | 5.6                                    | 6.5            | 7.5            | 8.5            | 9.6            | 10.0           | 13.0           | 16.3     |  |
|                      |                     | Btu/h                      | 19,100                                 | 22,200         | 25,600         | 29,000         | 32,800         | 34,100         | 44,400         | 55,600   |  |
| Power Input          | Cooling             | W                          | 40                                     | 40             | 70             | 70             | 70             | 80             | 130            | 160      |  |
|                      | Heating             | W                          | 40                                     | 40             | 70             | 70             | 70             | 80             | 130            | 160      |  |
| Sound Pressure       | Ceiling             | dB(A)                      | 39/35/30                               | 39/35/30       | 45/41/37       | 45/41/37       | 43/39/34       | 45/40/36       | 51/46/40       | 50/46/42 |  |
|                      | Floor               | dB(A)                      | 43/38/35                               | 43/38/35       | 48/44/40       | 48/44/40       | 46/41/37       | 48/43/39       | 54/49/43       | 55/50/46 |  |
| Airflow Rate         | m <sup>3</sup> /min | 13.0/11.0/9.0              | 13.0/11.0/9.0                          | 16.1/14.0/11.3 | 16.1/14.0/11.3 | 18.2/15.2/12.2 | 19.4/16.3/13.3 | 24.8/20.5/16.3 | 33.0/28.0/23.0 |          |  |
| Speed-up Setting HH1 | m <sup>3</sup> /min | 14.2                       | 14.2                                   | 17.8           | 17.8           | 19.8           | 21.2           | 27.0           | 36.0           |          |  |
| Speed-up Setting HH2 | m <sup>3</sup> /min | 16.0                       | 16.0                                   | 20.0           | 20.0           | 22.3           | 23.5           | 29.2           | 37.4           |          |  |
| Panel Colour         |                     | Neture White               |  |                |                |                |                |                |                |          |  |
| Piping               | Connection Type     |                            | Flare-nut Connection (with Flare Nuts) |                |                |                |                |                |                |          |  |
|                      | Liquid              | mm                         | φ 6.35                                 | φ 6.35         | φ 9.53         | φ 9.53   |  |
|                      |                     | inch                       | 1/4                                    | 1/4            | 3/8            | 3/8            | 3/8            | 3/8            | 3/8            | 3/8      |  |
|                      | Gas                 | mm                         | φ 15.88                                | φ 15.88        | φ 15.88        | φ 15.88        | φ 15.88        | φ 15.88        | φ 15.88        | φ 15.88  |  |
|                      |                     | inch                       | 5/8                                    | 5/8            | 5/8            | 5/8            | 5/8            | 5/8            | 5/8            | 5/8      |  |
| Condensate Drain     | mm                  | I.D.32                     |  |                |                |                |                |                |                |          |  |
| Weight               | Net Weight          | kg                         | 33                                     | 33             | 34             | 34             | 41             | 41             | 41             | 49       |  |
|                      | Gross Weight        | kg                         | 38                                     | 38             | 39             | 39             | 46             | 47             | 48             | 56       |  |
| Dimensions           | External            | H mm                       | 230                                    | 230            | 230            | 230            | 230            | 230            | 230            | 230      |  |
|                      |                     | W mm                       | 990                                    | 990            | 990            | 990            | 1285           | 1285           | 1285           | 1580     |  |
|                      | Packaging           | H mm                       | 340                                    | 340            | 340            | 340            | 340            | 340            | 340            | 340      |  |
|                      |                     | W mm                       | 1110                                   | 1110           | 1110           | 1110           | 1400           | 1400           | 1400           | 1690     |  |
|                      | D mm                | 830                        | 830                                    | 830            | 830            | 830            | 830            | 830            | 830            |          |  |

Notes:

1. The nominal cooling capacity and heating capacity are based on the following conditions:  
 Cooling Operation Conditions  
 Indoor Air Inlet Temperature: 27°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:  
 1.0m beneath the unit, 1.0m from Discharge Grille.  
 The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field. When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

# Floor Concealed

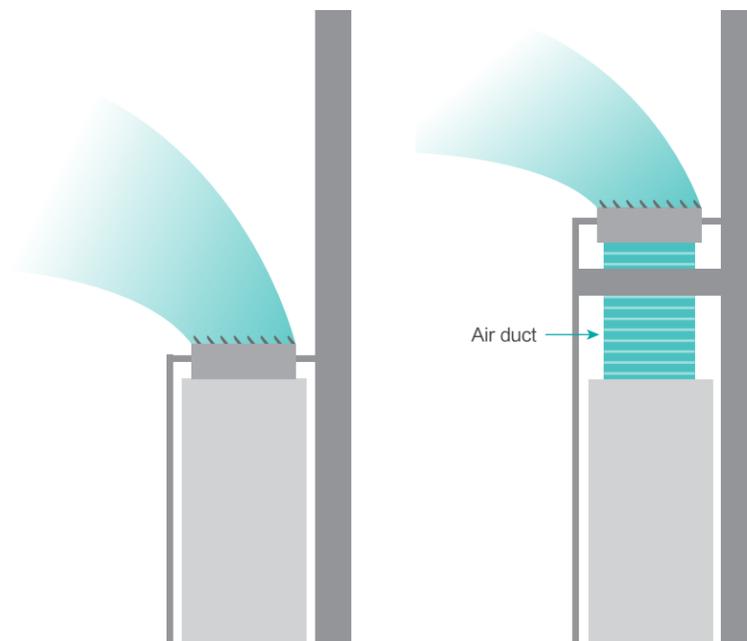
## Space Saving

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



## Adjustable Static Pressure and Flexible Installation

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



| Model          |                  | AVH-09UXCSAA                 | AVH-14UXCSAA                           | AVH-18UXCSBA | AVH-24UXCSBA   |                |
|----------------|------------------|------------------------------|--|--------------|----------------|----------------|
| Power Supply   |                  | AC 1 $\phi$ , 220V-240V/50Hz |  |              |                |                |
| Model          |                  | AVH-09UX2SAA                 | AVH-14UX2SAA                           | AVH-18UX2SBA | AVH-24UX2SBA   |                |
| Power Supply   |                  | AC 1 $\phi$ , 220V/60Hz      |  |              |                |                |
| Capacity       | Cooling          | kW                           | 2.8                                    | 4.3          | 5.6            | 7.1            |
|                |                  | Btu/h                        | 9,600                                  | 14,700       | 19,100         | 24,200         |
| Capacity       | Heating          | kW                           | 3.3                                    | 4.9          | 6.5            | 8.5            |
|                |                  | Btu/h                        | 11,300                                 | 16,700       | 22,200         | 29,000         |
| Power Input    | Cooling          | W                            | 50                                     | 80           | 90             | 120            |
|                | Heating          | W                            | 50                                     | 80           | 90             | 120            |
| Sound Pressure |                  | dB(A)                        | 34/31/27                               | 40/36/34     | 41/36/32       | 44/40/36       |
| Airflow Rate   |                  | m <sup>3</sup> /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                           | $\phi$ 6.35                            | $\phi$ 6.35  | $\phi$ 6.35    | $\phi$ 9.53    |
|                |                  | inch                         | 1/4                                    | 1/4          | 1/4            | 3/8            |
|                | Gas              | mm                           | $\phi$ 12.70                           | $\phi$ 12.70 | $\phi$ 15.88   | $\phi$ 15.88   |
|                |                  | inch                         | 1/2                                    | 1/2          | 5/8            | 5/8            |
|                | Condensate Drain | mm                           | I.D.32                                 |              |                |                |
| Weight         | Net Weight       | kg                           | 18                                     | 22           | 26             | 27             |
|                | Gross Weight     | kg                           | 30                                     | 31           | 37             | 37             |
| Dimensions     | External         | H mm                         | 620                                    | 620          | 620            | 620            |
|                |                  | W mm                         | 948+139                                | 948+139      | 1218+139       | 1218+139       |
|                |                  | D mm                         | 202                                    | 202          | 202            | 202            |
|                | Packaging        | H mm                         | 675                                    | 675          | 675            | 675            |
|                |                  | W mm                         | 1160                                   | 1160         | 1430           | 1430           |
|                |                  | D mm                         | 240                                    | 240          | 240            | 240            |

Notes:

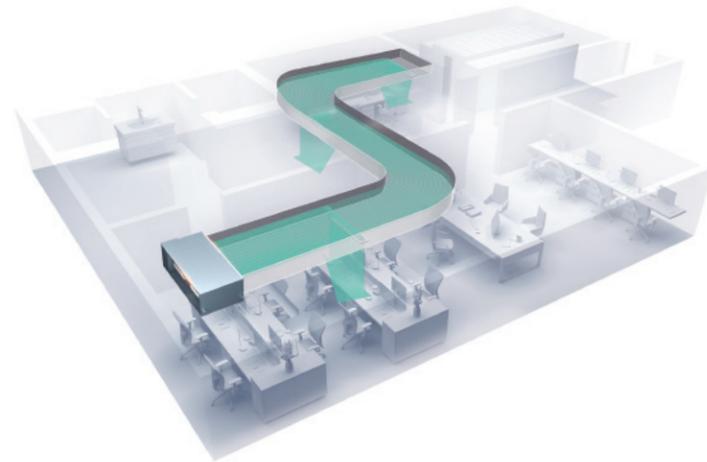
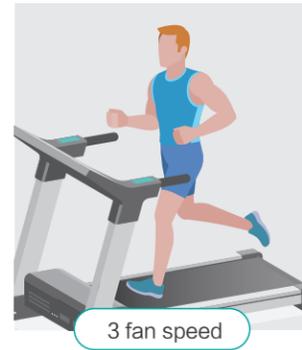
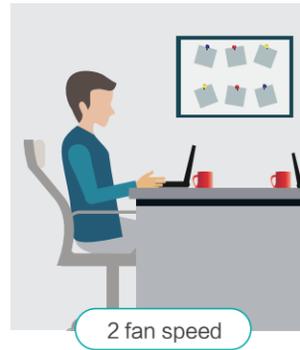
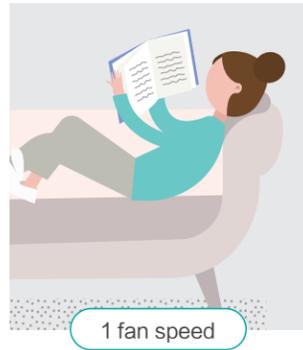
1. The nominal cooling capacity and heating capacity are based on the following conditions:  
 Cooling Operation Conditions  
 Indoor Air Inlet Temperature: 27°C DB (80°F DB), 19.0°C WB (66.2°F WB)  
 Outdoor Air Inlet Temperature: 35°C DB (95°F DB)  
 Piping Length: 7.5 Meters Piping Lift: 0 Meter 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

# All Fresh Air Indoor Unit

## Multiple Fan Speeds

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



## Adjustable Static Pressure

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

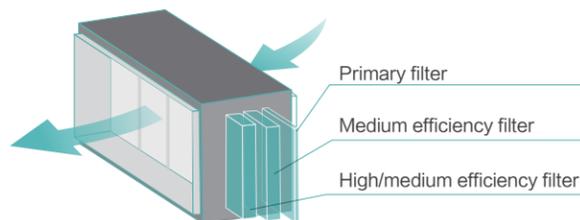
## Self-cleaning Function

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

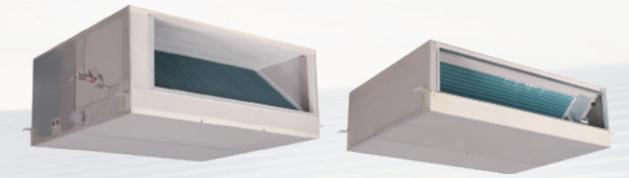


## PM2.5 Filter Box (Optional)

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



## All Fresh Air Indoor Unit



| Model                    |                     | AVA-48HJFDL-108                        | AVA-76HJFDL-168  | AVA-96HJFDL-210  | AVA-114HJFDL-300 |         |
|--------------------------|---------------------|--|------------------|------------------|------------------|---------|
| Power Supply             |                     | AC 1Φ,220V~240V/50Hz/60Hz              |                  |                  |                  |         |
| Capacity                 | Cooling             | kW                                     | 14.0             | 22.4             | 28.0             | 33.5    |
|                          |                     | Btu/h                                  | 47,800           | 76,500           | 95,600           | 114,400 |
|                          | Heating             | kW                                     | 13.7             | 21.9             | 24.5             | 26.4    |
|                          |                     | Btu/h                                  | 46,800           | 74,800           | 83,600           | 90,100  |
| Power Input              | Cooling             | W                                      | 190              | 311              | 421              | 721     |
|                          | Heating             | W                                      | 190              | 311              | 421              | 721     |
| Sound Pressure           | dB(A)               | 42                                     | 46               | 48               | 49               |         |
| Airflow Rate             | m <sup>3</sup> /min | 18.0/15.6/13.3                         | 28.0/23.2/18.3   | 35.0/31.7/26.7   | 50.0/41.7/33.3   |         |
| External Static Pressure | Pa                  | 150(150-200-250)                       | 150(150-200-250) | 150(150-200-250) | 150(150-220-300) |         |
| Piping                   | Connection Type     | Flare-Nut Connection (with Flare Nuts) |                  | Brazing          |                  |         |
|                          | Liquid              | mm                                     | φ9.53            | φ9.53            | φ9.53            | φ12.70  |
|                          |                     | inch                                   | 3/8              | 3/8              | 3/8              | 1/2     |
|                          | Gas                 | mm                                     | φ15.88           | φ19.05           | φ22.20           | φ25.40  |
|                          |                     | inch                                   | 5/8              | 3/4              | 7/8              | 1       |
|                          | Condensate Drain    | mm                                     | I.D. 32          |                  |                  |         |
| Weight                   | Net Weight          | kg                                     | 56               | 107              | 108              | 108     |
|                          | Gross Weight        | kg                                     | 62               | 124              | 125              | 125     |
| Dimensions               | External            | H mm                                   | 320              | 484              | 484              | 484     |
|                          |                     | W mm                                   | 790              | 1072             | 1072             | 1072    |
|                          |                     | D mm                                   | 1420             | 1269             | 1269             | 1269    |
|                          | Packaging           | H mm                                   | 420              | 1213             | 1213             | 1213    |
|                          |                     | W mm                                   | 1650             | 1450             | 1450             | 1450    |
|                          |                     | D mm                                   | 955              | 530              | 530              | 530     |

Notes:

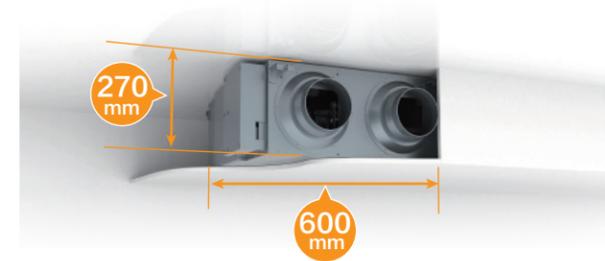
- The nominal cooling capacity and heating capacity are based on following conditions: Cooling operation conditions: 35°C DB, 28°C WB, piping length: 7.5m, piping lift: 0m. Heating operation conditions: 0°C DB, -3°C WB, piping length: 7.5m, piping lift: 0m. (Heating capacity is tested when defrosting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

RELIABILITY  
EFFICIENCY  
COMFORT  
FLEXIBILITY  
OUTDOOR UNIT  
INDOOR UNIT  
CONTROL SYSTEM  
ACCESSORY

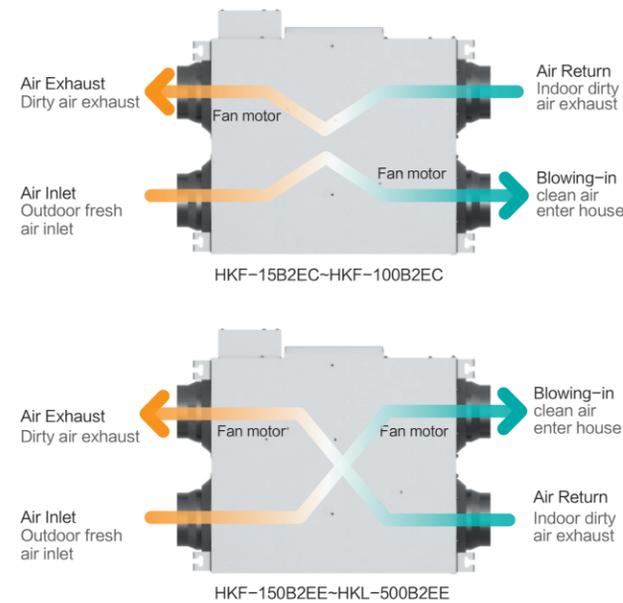
# Heat Recovery Ventilator

## Compact Machine, Convenient Installation

Its compact design facilitates easy installation in narrow ceilings. With a width of only 600mm (for units with an airflow rate under 300m<sup>3</sup>/h), it is perfect for the tight ceiling spaces.

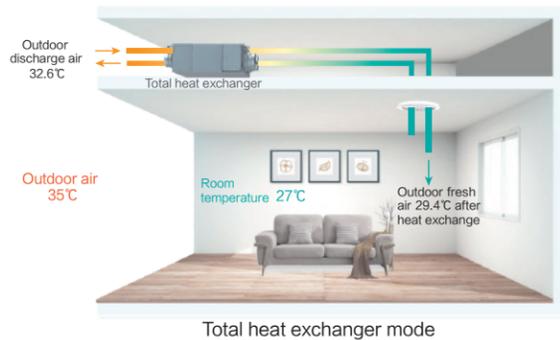


## Airflow System



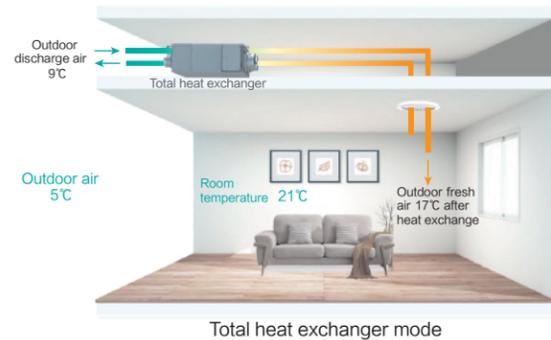
## Energy Saving Analysis

### Summer Energy Saving Analysis



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

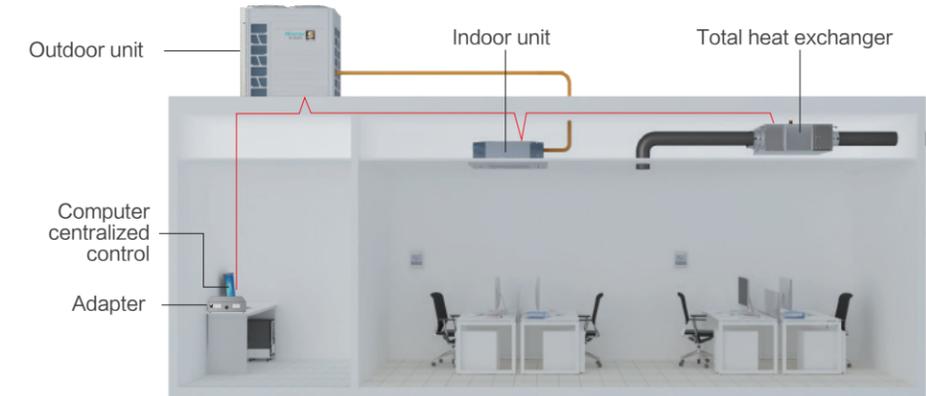


In winter operation, when the heat energy of 21°C air discharged from indoor pass through the heat exchanger, the 5°C outdoor cold air is pre-heated to 17°C fresh air and supplied to indoors, as shown above, when outdoor 5°C air and indoor 21°C air pass through the HRV, the fresh air supplied to indoors 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.

# Heat Recovery Ventilator

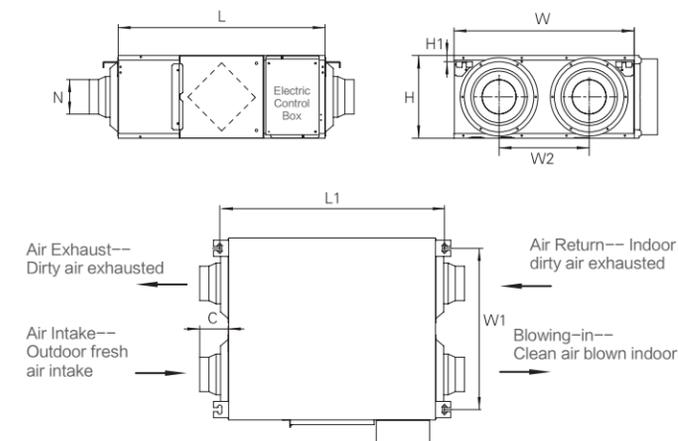
## Centralized Control System

Hisense heat recovery ventilator can be connected to the Hisense VRF Central Control System, achieving the central control from Hisense VRF controllers. The operation is more convenient and more intelligent.



## HKF-15B2EC

### Product Dimensions



| Model       | L   | L1  | W   | W1  | W2  | H   | C  | N    | H1 |
|-------------|-----|-----|-----|-----|-----|-----|----|------|----|
| HKF-15B2EC* | 665 | 723 | 580 | 514 | 290 | 265 | 90 | φ144 | 20 |

### Technical Parameters

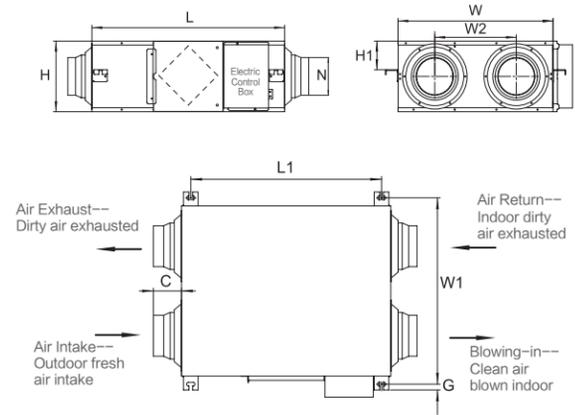
| Model       | Air Volume m <sup>3</sup> /h |        |     | Enthalpy Efficiency (Summer) η <sub>i</sub> |        |     | Enthalpy Efficiency (Winter) η <sub>i</sub> |        |     | External Static Pressure Pa |        |     | Power Supply  | Input Current A |        |      | Input Power kW |           |           | Noise Level dB(A) |    |    | Weight kg |
|-------------|------------------------------|--------|-----|---|--------|-----|---|--------|-----|-----------------------------|--------|-----|---------------|-----------------|--------|------|----------------|-----------|-----------|-------------------|----|----|-----------|
|             | High                         | Middle | Low | High  | Middle | Low | High  | Middle | Low | High                        | Middle | Low |               | High            | Middle | Low  | High           | Middle    | Low       |                   |    |    |           |
| HKF-15B2EC* | 150                          | 150    | 110 | 58  | 58     | 60  | 65  | 65     | 69  | 85                          | 70     | 65  | 220-240V/50Hz | 0.38            | 0.36   | 0.31 | 2 × 0.041      | 2 × 0.038 | 2 × 0.029 | 30                | 29 | 28 | 25        |

\*: 220V/60Hz HKF-15B2E2

# HKF-25B2EC~HKF-100B2EC



## Product Dimensions



| Model        | L    | L1   | W    | W1   | W2  | H   | C  | G  | N    | H1  |
|--------------|------|------|------|------|-----|-----|----|----|------|-----|
| HKF-25B2EC*  | 745  | 675  | 600  | 656  | 315 | 270 | 90 | 19 | φ144 | 110 |
| HKF-35B2EC*  | 745  | 675  | 805  | 861  | 480 | 270 | 90 | 19 | φ144 | 110 |
| HKF-50B2EC*  | 825  | 755  | 905  | 961  | 500 | 270 | 96 | 19 | φ194 | 110 |
| HKF-65B2EC*  | 1115 | 1050 | 885  | 941  | 430 | 390 | 80 | 19 | φ242 | 175 |
| HKF-80B2EC*  | 1115 | 1050 | 1135 | 1191 | 675 | 390 | 80 | 19 | φ242 | 175 |
| HKF-100B2EC* | 1115 | 1050 | 1135 | 1191 | 675 | 390 | 80 | 19 | φ242 | 175 |

## Technical Parameters

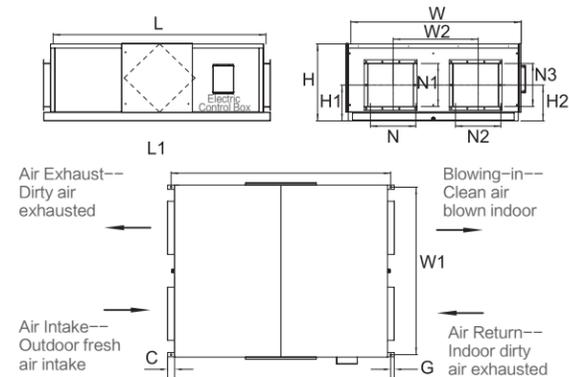
| Model        | Air Volume m³/h |        |     | Enthalpy Efficiency (Summer) η <sub>i</sub> |        |     | Enthalpy Efficiency (Winter) η <sub>i</sub> |        |     | External Static Pressure Pa |        |     | Power Supply     | Input Current A |        |      | Input Power kW |         |         | Noise Level dB(A) |        |     | Weight kg |
|--------------|-----------------|--------|-----|---|--------|-----|---|--------|-----|-----------------------------|--------|-----|------------------|-----------------|--------|------|----------------|---------|---------|-------------------|--------|-----|-----------|
|              | High            | Middle | Low | High  | Middle | Low | High  | Middle | Low | High                        | Middle | Low |                  | High            | Middle | Low  | High           | Middle  | Low     | High              | Middle | Low |           |
| HKF-25B2EC*  | 250             | 250    | 190 | 57  | 57     | 59  | 63  | 63     | 68  | 85                          | 65     | 60  | 220-240V<br>50Hz | 0.66            | 0.56   | 0.52 | 2×0.069        | 2×0.055 | 2×0.049 | 32                | 31     | 28  | 30        |
| HKF-35B2EC*  | 350             | 350    | 270 | 55  | 55     | 57  | 62  | 62     | 65  | 100                         | 75     | 65  |                  | 0.76            | 0.75   | 0.71 | 2×0.083        | 2×0.079 | 2×0.075 | 34                | 33     | 31  | 35        |
| HKF-50B2EC*  | 500             | 500    | 400 | 56  | 56     | 58  | 63  | 63     | 65  | 130                         | 110    | 100 |                  | 1.82            | 1.71   | 1.52 | 2×0.189        | 2×0.157 | 2×0.124 | 39                | 38     | 36  | 40        |
| HKF-65B2EC*  | 650             | 650    | 550 | 57  | 57     | 59  | 63  | 63     | 68  | 130                         | 100    | 100 |                  | 1.75            | 1.62   | 1.51 | 2×0.193        | 2×0.178 | 2×0.164 | 40                | 38     | 35  | 62        |
| HKF-80B2EC*  | 800             | 800    | 650 | 58  | 58     | 59  | 66  | 66     | 68  | 130                         | 100    | 90  |                  | 1.98            | 1.88   | 1.75 | 2×0.211        | 2×0.196 | 2×0.18  | 42                | 40     | 37  | 72        |
| HKF-100B2EC* | 1000            | 1000   | 700 | 56  | 56     | 58  | 63  | 63     | 66  | 165                         | 120    | 60  |                  | 4.68            | 4.18   | 3.47 | 2×0.510        | 2×0.450 | 2×0.363 | 44                | 42     | 38  | 79        |

\*: AC 1Φ, 220V/60Hz HKF-25B2E2~HKF-100B2E2

# HKF-150B2EE~HKF-200B2EE



## Product Dimensions



| Model        | L    | L1   | W    | W1   | W2  | H   | H1  |
|--------------|------|------|------|------|-----|-----|-----|
| HKF-150B2EE* | 1500 | 1550 | 1200 | 1170 | 600 | 540 | 250 |
| HKF-200B2EE* | 1550 | 1600 | 1400 | 1370 | 700 | 540 | 250 |

| Model        | C  | G  | N   | N1  | N2  | N3  | H2  |
|--------------|----|----|-----|-----|-----|-----|-----|
| HKF-150B2EE* | 50 | 25 | 320 | 300 | 320 | 300 | 250 |
| HKF-200B2EE* | 50 | 25 | 320 | 300 | 320 | 300 | 250 |

## Technical Parameters

| Model        | Air Volume m³/h | Enthalpy Efficiency (Summer) η <sub>i</sub> | Enthalpy Efficiency (Winter) η <sub>i</sub> | External Static Pressure Pa | Power Supply  | Input Current A | Input Power kW | Noise Level dB(A) | Weight kg |
|--------------|-----------------|---|---|-----------------------------|---------------|-----------------|----------------|-------------------|-----------|
| HKF-150B2EE* | 1500            | 55  | 63  | 180                         | 380-415V/50Hz | 2.78            | 2×0.41         | 48                | 151       |
| HKF-200B2EE* | 2000            | 54  | 62  | 160                         | 380-415V/50Hz | 2.89            | 2×0.52         | 49                | 172       |

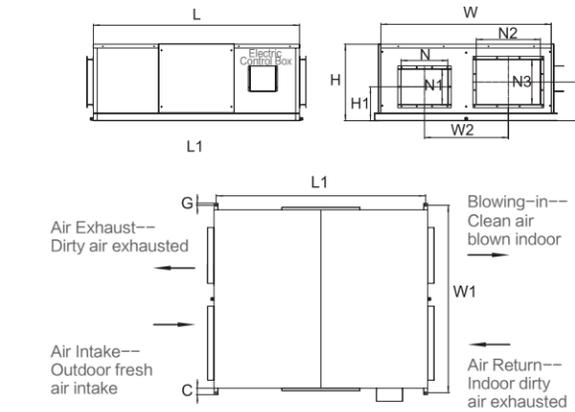
\*: AC 3Φ, 220V/60Hz HKF-150B2E9 HKF-200B2E9

AC 3Φ, 380V/60Hz HKF-150B2EF HKF-200B2EF

# HKF-250B2EE~HKF-300B2EE



## Product Dimensions



| Model        | L    | L1   | W    | W1   | W2  | H   | H1  |
|--------------|------|------|------|------|-----|-----|-----|
| HKF-250B2EE* | 1610 | 1580 | 1330 | 1400 | 655 | 600 | 265 |
| HKF-300B2EE* | 1700 | 1670 | 1500 | 1570 | 750 | 640 | 272 |

| Model        | C  | G  | N   | N1  | N2  | N3  | H2  |
|--------------|----|----|-----|-----|-----|-----|-----|
| HKF-250B2EE* | 50 | 15 | 365 | 275 | 500 | 350 | 300 |
| HKF-300B2EE* | 50 | 15 | 365 | 275 | 500 | 350 | 309 |

## Technical Parameters

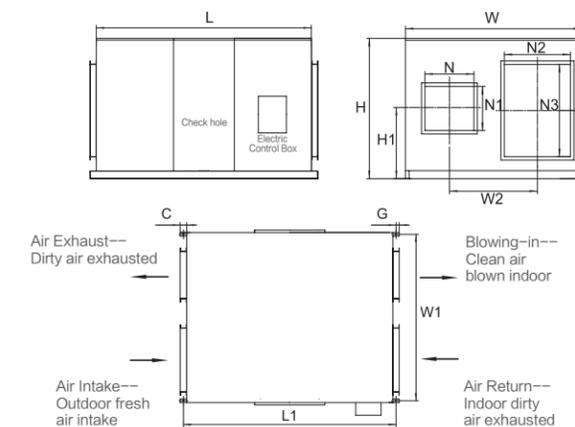
| Model        | Air Volume m³/h | Enthalpy Efficiency (Summer) η <sub>i</sub> | Enthalpy Efficiency (Winter) η <sub>i</sub> | External Static Pressure Pa | Power Supply  | Input Current A | Input Power kW | Noise Level dB(A) | Weight kg |
|--------------|-----------------|---|---|-----------------------------|---------------|-----------------|----------------|-------------------|-----------|
| HKF-250B2EE* | 2500            | 54  | 62  | 180                         | 380-415V/50Hz | 3.86            | 2×0.72         | 53                | 185       |
| HKF-300B2EE* | 3000            | 55  | 63  | 200                         | 380-415V/50Hz | 5.12            | 2×1.16         | 56                | 222       |

\*: AC 3Φ, 220V/60Hz HKF-250B2E9 HKF-300B2E9 AC 3Φ, 380V/60Hz HKF-250B2EF HKF-300B2EF

# HKL-400B2EE~HKL-500B2EE



## Product Dimensions



| Model        | L    | L1   | W    | W1   | W2  | H    | H1  |
|--------------|------|------|------|------|-----|------|-----|
| HKL-400B2EE* | 1625 | 1675 | 1330 | 1300 | 665 | 1050 | 490 |
| HKL-500B2EE* | 1625 | 1675 | 1330 | 1300 | 665 | 1050 | 490 |

| Model        | C  | G  | N   | N1  | N2  | N3  | H2  |
|--------------|----|----|-----|-----|-----|-----|-----|
| HKL-400B2EE* | 50 | 25 | 370 | 330 | 500 | 690 | 475 |
| HKL-500B2EE* | 50 | 25 | 370 | 330 | 500 | 690 | 475 |

## Technical Parameters

| Model        | Air Volume m³/h | Enthalpy Efficiency (Summer) η <sub>i</sub> | Enthalpy Efficiency (Winter) η <sub>i</sub> | External Static Pressure Pa | Power Supply  | Input Current A | Input Power kW | Noise Level dB(A) | Weight kg |
|--------------|-----------------|---|---|-----------------------------|---------------|-----------------|----------------|-------------------|-----------|
| HKL-400B2EE* | 4000            | 55  | 63  | 220                         | 380-415V/50Hz | 5.89            | 2×1.71         | 57                | 312       |
| HKL-500B2EE* | 5000            | 53  | 61  | 240                         | 380-415V/50Hz | 8.78            | 2×2.2          | 58                | 321       |

\*: AC 3Φ, 220V/60Hz HKL-400B2E9 HKL-500B2E9 AC 3Φ, 380V/60Hz HKL-400B2EF HKL-500B2EF

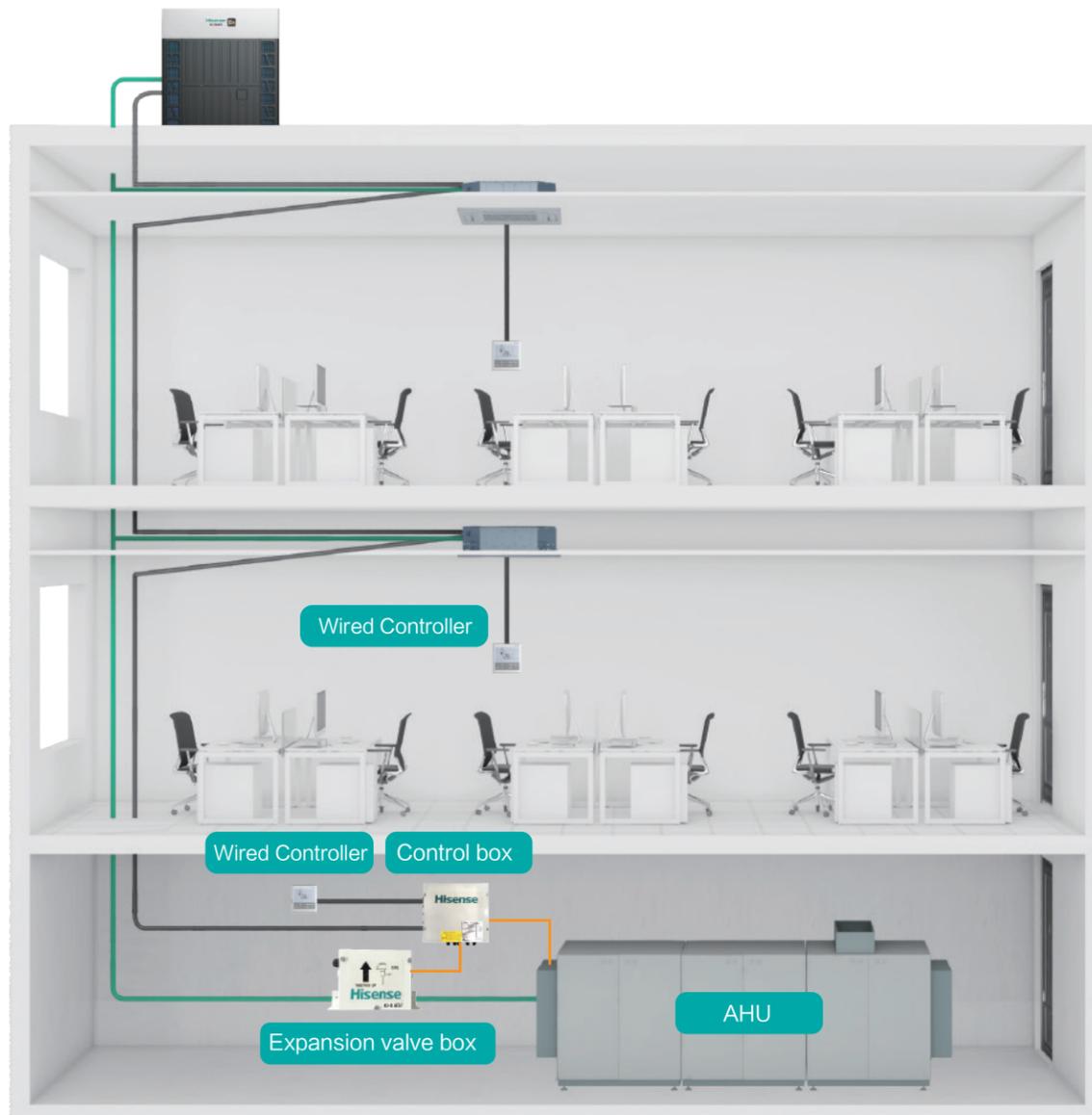
# AHU Connection KIT

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

## Main Function

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

— Communication wire    — Sensor signal    — Refrigerant pipe



## AHU Connection KIT

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

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

| AHU Connection KIT                      | R410A                    | HZX-2 BEJ    | HZX-4 BEJ    | HZX-6 BEJ    | HZX-10BEJ    | HZX-20BEJ    |      |      |      |      |      | HZX-30BEJ         |       |       |       |       |       |
|---|--------------------------|--------------|--------------|--------------|--------------|--------------|------|------|------|------|------|-------------------|-------|-------|-------|-------|-------|
|   | R32                      | HZX-2 BEJD   | HZX-4 BEJD   | HZX-6 BEJD   | HZX-10BEJD   | HZX-20BEJD   |      |      |      |      |      | HZX-30BEJD        |       |       |       |       |       |
| Model Power Supply                      | AC 1Φ,220~240V/50Hz/60Hz |              |              |              |              |              |      |      |      |      |      |                   |       |       |       |       |       |
| Nominal Capacity of AHU                 | HP                       | 2            | 4            | 6            | 8            | 10           | 12   | 14   | 16   | 18   | 20   | 22                | 24    | 26    | 28    | 30    |       |
| Allowed Heat Exchanger Capacity (H/M/L) | Cooling                  | 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  |
|   |                          | 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  |
|   | Heating                  | kW           | 5.6          | 11.2         | 16.0         | 22.4         | 28.0 | 33.5 | 40.0 | 45.0 | 50.0 | 56.0              | 61.5  | 69.0  | 73.0  | 80.0  | 85.0  |
|   |                          | kW           | 4.5          | 8.0          | 12.5         | 17.9         | 22.4 | 31.5 | 37.5 | 45.0 | 50.0 | 56.0              | 63.0  | 69.0  | 77.5  | 82.5  | 90.0  |
| Heat Exchanger Volume                   | Min                      | dm³          | 0.57         | 1.03         | 1.92         | 2.92         | 3.89 | 4.76 | 5.85 | 6.79 | 7.57 | 8.47              | 9.04  | 9.50  | 10.39 | 11.39 | 12.36 |
|   | Max                      | 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 |
| Equivalent Indoor Unit Capacity         | HP                       | 2            | 4            | 6            | 8            | 10           | 12   | 14   | 16   | 18   | 20   | 22                | 24    | 26    | 28    | 30    |       |
| Control Box Model                       | R410A                    | HZX-BEJ/1    |              |              |              |              |      |      |      |      |      |                   |       |       |       |       |       |
|   | R32                      | HZX-BEJD/1   |              |              |              |              |      |      |      |      |      |                   |       |       |       |       |       |
| Expansion Valve Box Model               | R410A                    | HZX-2 BEJ/2  | HZX-4 BEJ/2  | HZX-6 BEJ/2  | HZX-10BEJ/2  | HZX-20BEJ/2  |      |      |      |      |      | HZX-30BEJ/2 2set  |       |       |       |       |       |
|   | R32                      | HZX-2 BEJD/2 | HZX-4 BEJD/2 | HZX-6 BEJD/2 | HZX-10BEJD/2 | HZX-20BEJD/2 |      |      |      |      |      | HZX-30BEJD/2 2set |       |       |       |       |       |

| Operation conditions          |    | Cooling | Heating |
|-------------------------------|----|---------|---------|
| Indoor air inlet temperature  | DB | 27.0°C  | 20.0°C  |
|                               | WB | 19.0°C  | -       |
| Outdoor air inlet temperature | DB | 35.0°C  | 7.0°C   |
|                               | WB | -       | 6.0°C   |

DB: dry bulb; WB: wet bulb  
Pipe Length: 7.5m; pipe height: 0m

RELIABILITY EFFICIENCY COMFORT FLEXIBILITY OUTDOOR UNIT INDOOR UNIT CONTROL SYSTEM ACCESSORY

# CONTROL SYSTEM



Individual Control

Centralized Control

Intelligent Control

AIR  
CONDITIONING  
SOLUTION

## Overview

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

Remarks: Available: ● Unavailable: ×

RELIABILITY

EFFICIENCY

COMFORT

FLEXIBILITY

OUTDOOR UNIT

INDOOR UNIT

CONTROL SYSTEM

ACCESSORY

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

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

Remarks: Standard: ● Optional: ○ Incompatible: ×

# Individual Control

## Wired Controller

### HYXE-VC01



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

### Features

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

### HYXM-VG01



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

### Features

- Size: 120mm × 120mm
- Max. connectable indoor units: 16
- Touch button
- Language:  
Support 11 languages: English,  
French, German, Italian, Spanish,  
Dutch, Portuguese, Polish, Turkish,  
Russian, Arabic
- Diverse Display Colors
- Brand-new Auto Changeover
- Refrigerant Leakage Alarm

## HYXE-VA01A



### Features

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

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

## Wireless Controller

### HYE-VD01



### Features

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

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

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

## HYXE-S01H



### Features

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

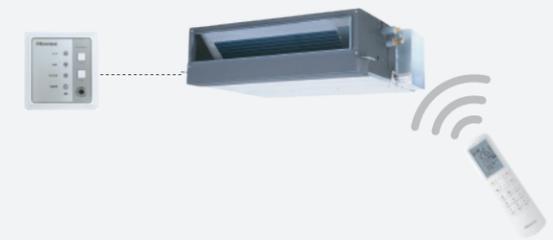
- Size: 120mm × 70mm
- Max. connectable indoor units: 16
- LCD display
- Touch button

## Receiver Kit for Wireless Control

### Standard



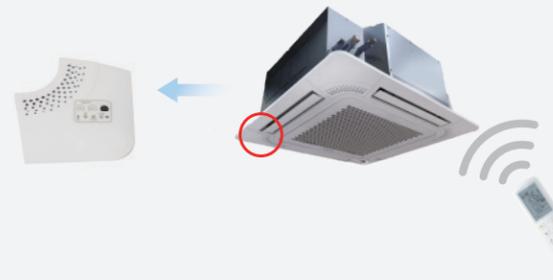
### HYRE-V02H (Optional)



### HYRE-Z01H (Optional)



### HYRE-T03H (Optional)



# Centralized Control

Smart Touch II  
HYJM-RA10D



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

## Features

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

## Energy Management

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



## Access Remotely with Ease

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



## Free Connection

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



## Future-proof

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



## Ideal for:

Offices, Schools, Factories, Hospitals, Hotels, Restaurants



ON/OFF Controller  
HYJ-J01H



## Features

- Group control (ON/OFF)
- Indoor unit power OFF reminder
- Indoor units Auto log in
- Error reminder
- Size: 120mm × 120mm
- Max. connectable indoor units: 128
- Max. connectable indoor unit groups: 16
- Touch button

# Hi-Cloud Manager

Hisense Intelligent Control Solution



## Intelligent Control

### What is Hi-Cloud Manager?

Hi-Cloud Manager is the unified access management of Hisense HVAC intelligent control. Users can log in the control web at anytime and anywhere.

Five "Clouds" are embed in the web interface including Hi-Mit Cloud, Smart Touch Cloud, Hi-Dom Cloud, Hi-Checker Cloud, and Distributor Cloud (specially for distributors).

#### Features:

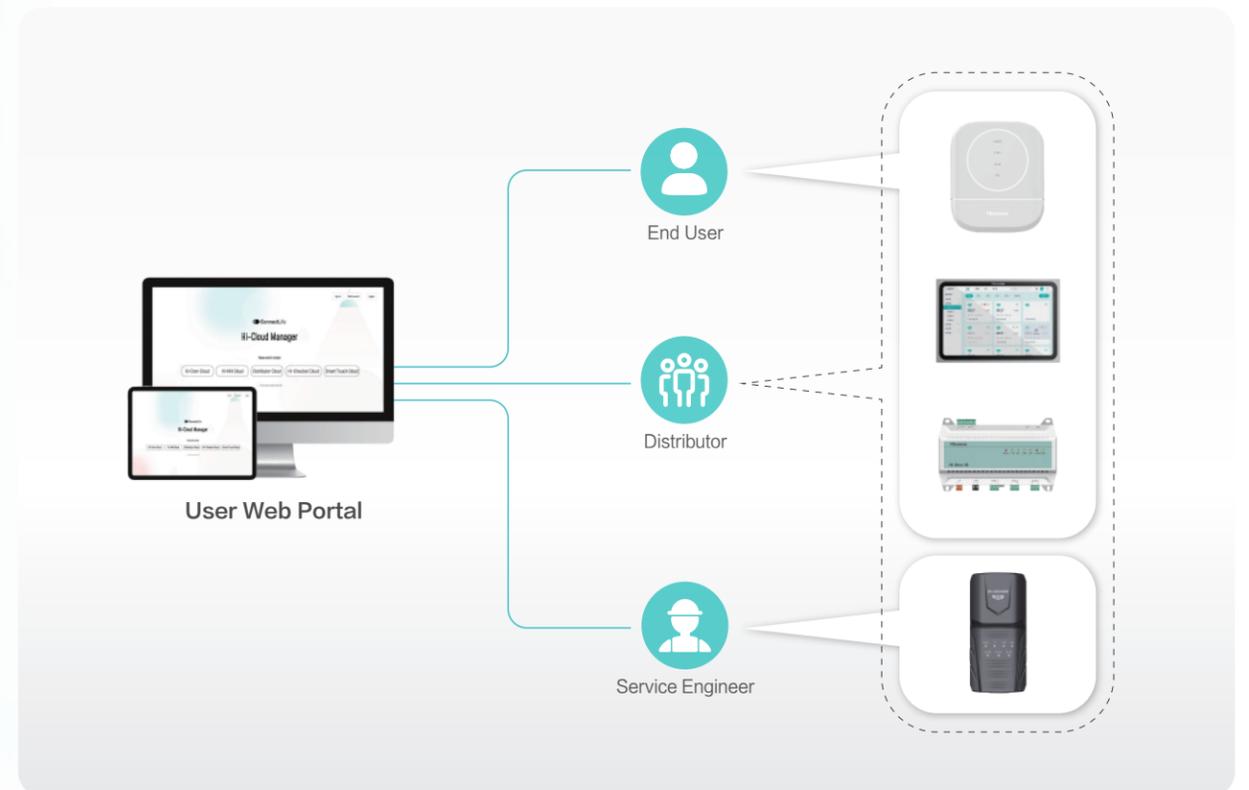
- Centralized remote control
- Overview of key data
- Operation statistics
- Global project map
- Project management
- Regional plane navigation
- Schedule management
- Energy conservation management
- Alarm and message management

**URL** <https://hicloudmanager.hijuconn.com>

It's recommended to use the Chrome browser.

#### Users-friendly

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





# Hi-Mit II

## Anytime and anywhere, control is in your hands

### One-Click Remote Control

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

### Whole-house Voice Control

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

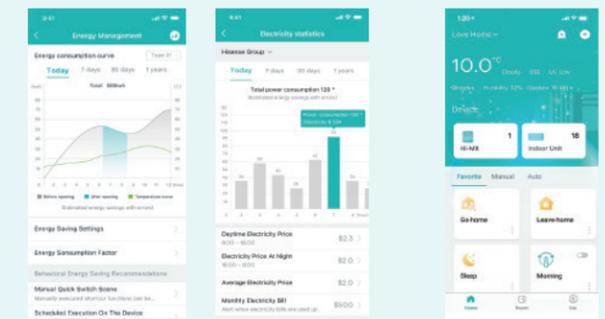


## Brand-new Adapter and App

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

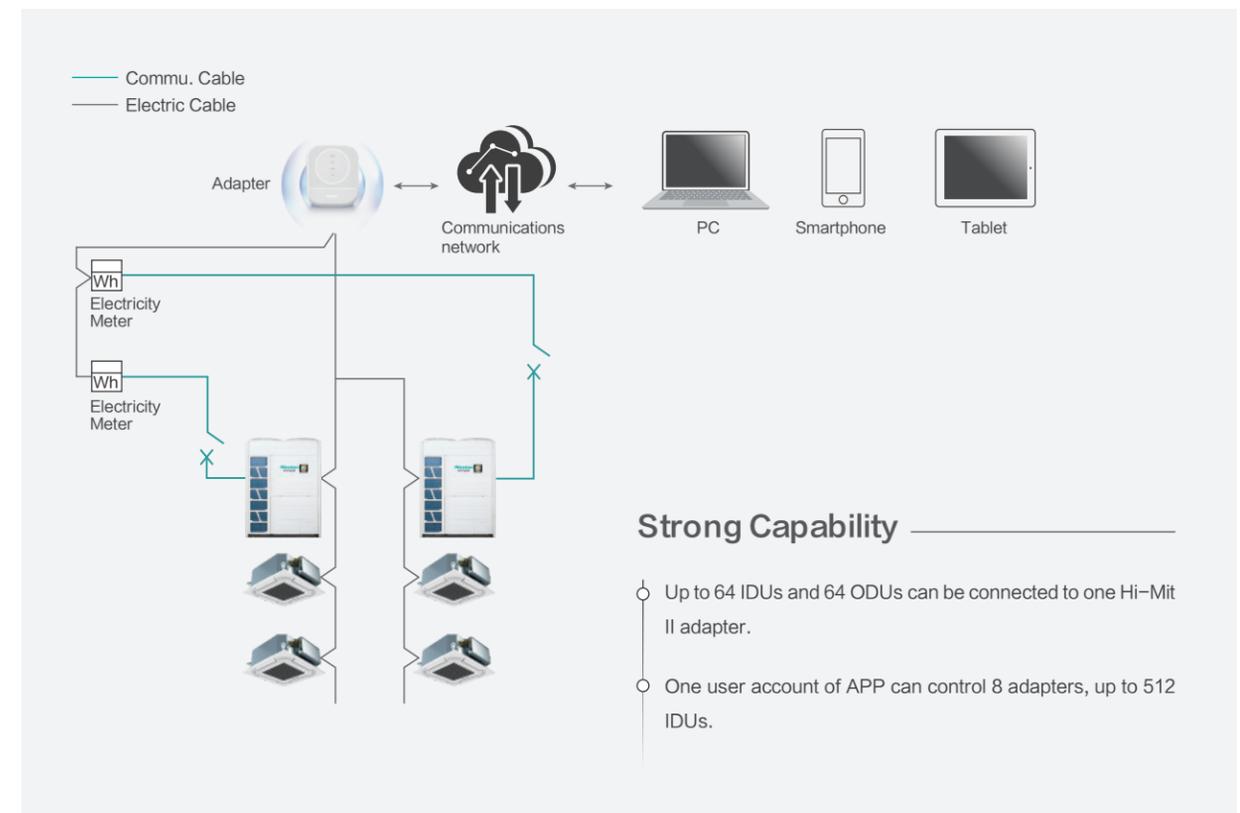
## Convenient Control

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



Energy management interface

Customized mode interface



## Specifications

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

# Hi-Dom III

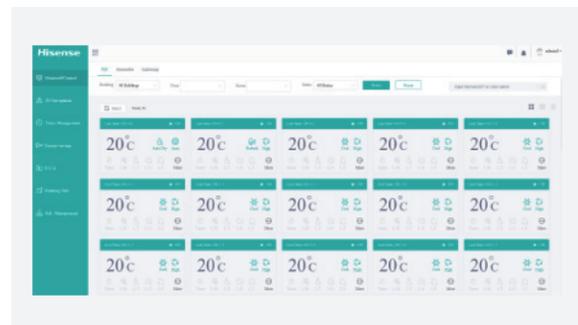


## Features

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

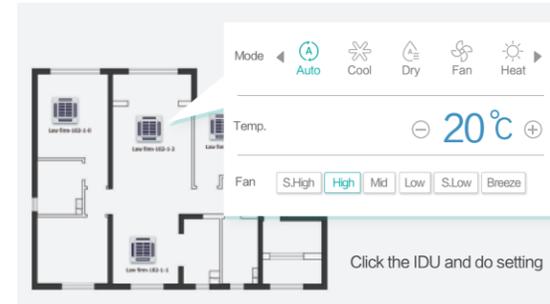
● Humanized interaction interface and comfortable user experience.

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

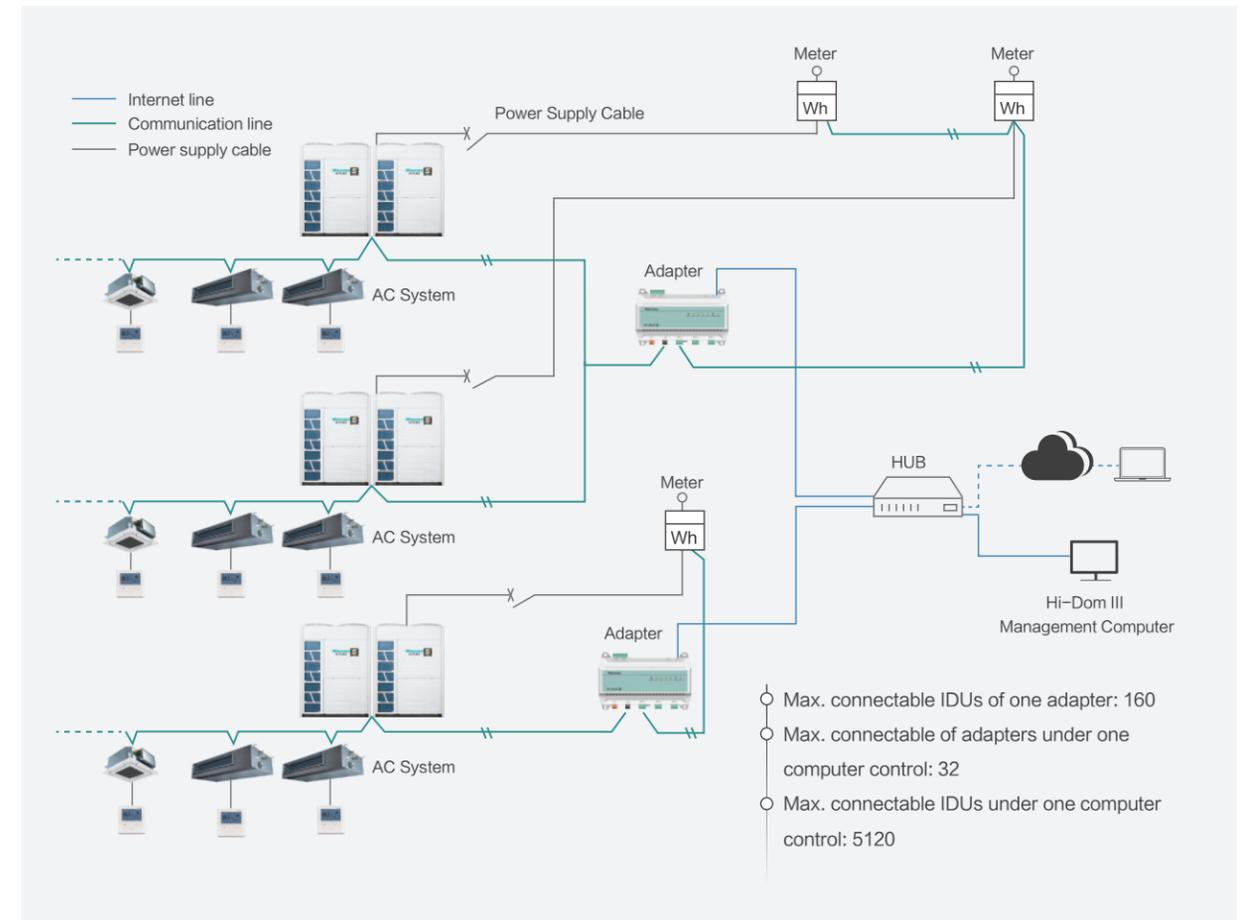


| State                      | Building | Room | Area | App Device | S.P. S.L. Count | Total | Block | Total S.L. |
|----------------------------|----------|------|------|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|-------|------------|
| ...                        | ...      | ...  | ...  | ...        | ...             | ...             | ...             | ...             | ...             | ...   | ...   | ...        |
| Total Electricity: 1980.02 |          |      |      |            |                 |                 |                 |                 |                 |       |       |            |
| Total Cost: 1132.36        |          |      |      |            |                 |                 |                 |                 |                 |       |       |            |

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



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



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

## Specifications

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



## Intelligent service tool, improves your service

Hi-Checker is a plug-and-play service tool that allows service engineers to access the system and monitor operational status or data, making system communication and maintenance more convenient. In addition, its cloud-based management also allows remote access to operational status.



Small and Portable Design



Remote Access



Black Box Function



Powerful Charts



OTA Update



Bluetooth Connection

## Easy to Use

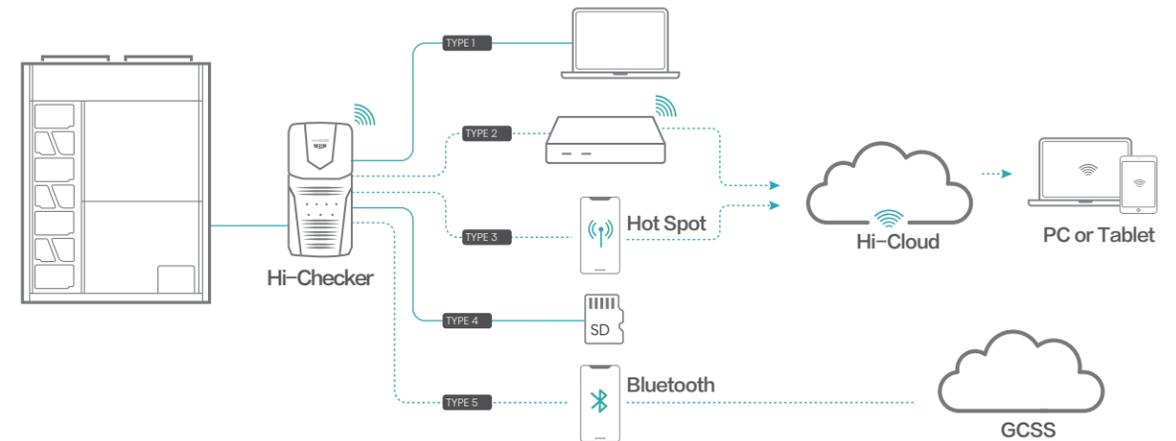
- Compact size which allows high portability and space saving.
- Capable to slot in a 32G memory card for data collection and storage. Also the memory card and card reader are standard with Hi-Checker.
- Multiple choices of power supply types. It can be powered by the standard adapter (DC 5V), computer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



## Easy to Access

### 5 Ways to Access the Operation Data

- Conventional connection. The simplest and reliable way by just connecting the Hi-Checker to your computer directly through USB.
- Internet connection. Be connected to a stable Wi-Fi signal to achieve operation data and status monitoring anytime and anywhere.
- Hotspot connection. 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. 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.
- Bluetooth Connection. Connect Hi-Checker to your phone over Bluetooth to access the data on your phone.



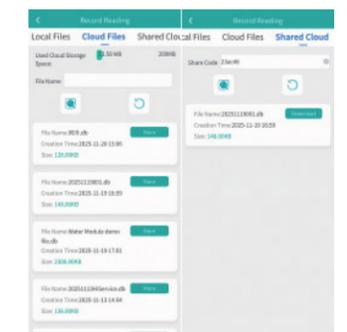
## Easy to Understand

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



## Easy to Share

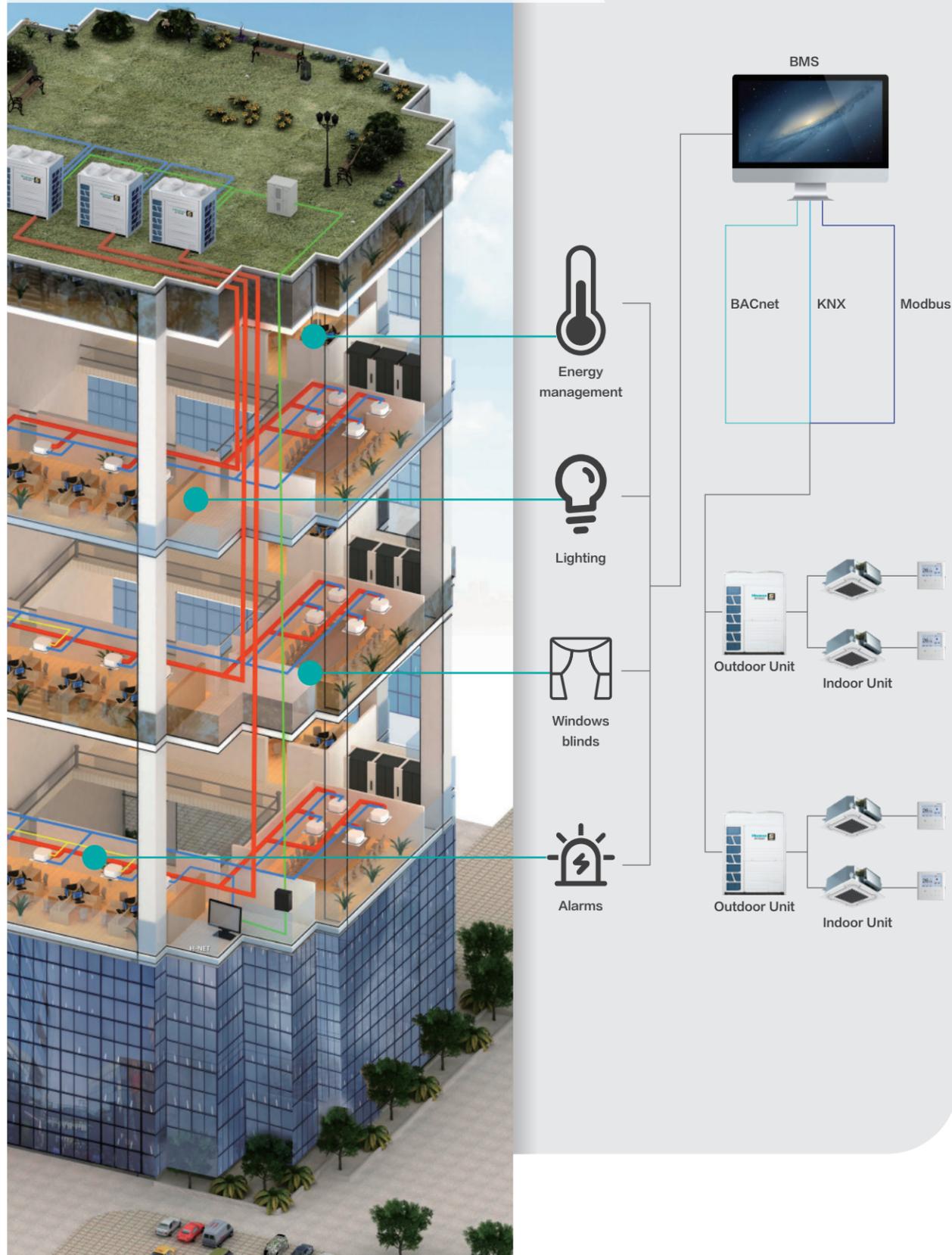
- Operation data can be shared between mobile phones and PC.
- Operation data can be shared to the cloud for permanent storage. The cloud storage quota per user is 200MB (around 400 groups of project operational data).
- Operation data can be shared with others via a Share Code.



## Specifications

| Model         | Dimension (LxWxH) | Net Weight | Power Supply | Connectable IDUs |
|---------------|-------------------|------------|--------------|------------------|
| HCCS-J64H2C3M | 138x68x28mm       | 0.13kg     | 5V= 500mA    | 160              |

# Building Management System



## KNX®



|   |  |
|---|--|
| KNX gateway                             | HS-RC-KNX-1i                           |
| Power Supply                            | DC, 29V                                |
| Max. Number of Connectable Indoor Units | 1                                      |
| Dimension (H x W x D)                   | 70 x 70 x 28mm                         |
| <b>Features</b>                         | ○ Standard data point types            |
|   | ○ Error code                           |
|   | ○ Directly control of all indoor units |
|   | ○ Air filter reminder                  |
|   | ○ Running hours counter                |
|   | ○                                      |

## Modbus®



|   |                                     |
|---|-------------------------------------|
| Modbus gateway                          | HCPC-H2M4C                          |
| Power Supply                            | DC, 12V                             |
| Max. Number of Connectable Indoor Units | 160                                 |
| Dimension (H x W x D)                   | 50 x 170 x 220mm                    |
| <b>Features</b>                         | ○ On-Off setting                    |
|   | ○ Temperature setting               |
|   | ○ Operating mode setting            |
|   | ○ Inlet air temperature monitoring  |
|   | ○ Airflow setting and monitoring    |
|   | ○ All units On-Off control          |
|   | ○ Alarm monitoring and code display |
|   | ○ Humidity control                  |
|   | ○                                   |

## Mini Modbus®



|   |  |
|---|--|
| MiniModbus gateway                      | HCPC-H2M5C                                 |
| Power Supply                            | DC, 12V                                    |
| Max. Number of Connectable Indoor Units | 32   |
| Dimension (H x W x D)                   | 27 x 75 x 100mm                            |
| <b>Features</b>                         | ○ On-Off Setting                           |
|   | ○ Temperature Setting (0.5°C adjustment)   |
|   | ○ Airflow Setting ( Auto/3 or 6 fan speed) |
|   | ○ Humidification control                   |
|   | ○ Operating Mode Setting                   |
|   | ○ Inlet Air Temp. Monitoring               |
|   | ○ All Units On/Off Control                 |
|   | ○ Alarm Monitoring and Code Display        |
|   | ○  |

## BACnet® & KNX®



|   |   |               |
|---|---|---------------|
| BACnet & KNX gateway                    | HCPC-H1KB16   | HCPC-H1KB64   |
| Power Supply                            | DC, 12~36V / 3W or AC, 24V/0.2A/50~60Hz or DC, 24V(Recommended) |               |
| Max. Number of Connectable Indoor Units | 16  | 64            |
| Dimension (H x W x D)                   | 100x115x100mm   | 100x115x100mm |
| <b>Features</b>                         | ○ Central control of all indoor units                           |               |
|   | ○ Indoor unit data monitoring                                   |               |
|   | ○ Heat/Dry/Fan/Cool/Auto mode                                   |               |
|   | ○ Control-vane position swing control                           |               |
|   | ○ Function prohibition of wired controller                      |               |
|   | ○   |               |

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

# ACCESSORIES

ACCESSORIES & ENGINEERING TOOLS

Accessories

Engineering Tools

## Accessories

### Refrigerant Sensor

| Model      | Applicable Models       | Picture   |
|------------|-------------------------|---|
| HOPT-ERD02 | R32 refrigerant systems |  |

### Refrigerant Detector

| Model      | Applicable Models       | Picture   |
|------------|-------------------------|---|
| HOPT-ERD01 | R32 refrigerant systems |  |

### Shut-off Box

| Model     | Applicable Models       | Picture   |
|-----------|-------------------------|---|
| HESE-2V15 | R32 refrigerant systems |  |

### Hi-Motion

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

### Motion Sensor

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

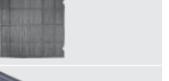
### Fresh Air Duct Adapter

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

### Humidity Sensor

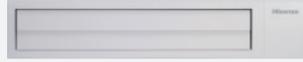
| Model     | Applicable Models   | Picture   |
|-----------|---|---|
| HCHR-S01E | 4-Way Cassette, Mini 4-Way Cassette, 1-Way Cassette Console, Ceiling Ducted, Wall Mounted, Floor Standing |  |

### Filter

| Filter model | Dimensions (LxWxD) mm                    | Applicable Models                | Grade | Picture   |
|--------------|--|----------------------------------|-------|---|
| HF-56MQE     | 343 × 343.5 × 15.0                       | Mini 4-Way Cassette              | G4    |  |
| HF-160MQE    | 527 × 513.0 × 17.0                       | 4-Way Cassette                   | G4    |  |
| HF-280L-FE   | Filter: 1100x432.5x20<br>Frame: 1245x463 | AVD-76/96HJDH<br>AVA-76-114HJFDL | G1    |  |

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

### 3D Air-flow Panel

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

### AirPure Kit

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

### Drain Pump

| Model      | Applicable Models   | Power Supply     | Picture   |
|------------|---|------------------|---|
| HPS-F133E  | AVD-07-24HJDH / AVD-07-24HCFCH / AVD-07-24HCFL                    | 220-240V/50/60Hz |  |
| HPS-F363E  | AVD-24HJDH1 / AVD-30-54HJDH / AVD-27-54HCFCH / AVD-27-54HCFL      |                  |   |
| HPS-F134E  | AVD-07-24H3FCH  | 208-230V/60Hz    |   |
| HPS-F364E  | AVD-27-54H3FCH  |                  |   |
| HPS-F8103E | AVD-76/96HJDH   | 220-240V/50/60Hz |   |
| HPS-151#E  | All types of indoor units except wall mounted and floor standing. | 220-240V/50/60Hz |   |

### Wind-Snow Protector(For S5 Series)

| Model    | Applicable Models | Outer Dimensions H × W × D(mm)   | Picture   |
|----------|-------------------|--|---|
| SH-TFF1X | AVWT-76-96HKF5S   | Upper: 951 × 803 × 828<br>Side: 1060 × 722 × 232<br>Rear: 951 × 697 × 828<br>Front: 1080 × 188 × 232   |  |
| SH-TFF2X | AVWT-114-170HKF5S | Upper: 951 × 943 × 828<br>Side: 1060 × 722 × 232<br>Rear: 951 × 837 × 828<br>Front: 1080 × 328 × 232   |   |
| SH-TFF3X | AVWT-190-232HKF5S | Upper: 951 × 1394 × 828<br>Side: 1060 × 722 × 232<br>Rear: 951 × 1286 × 828<br>Front: 1080 × 413 × 232 |   |
| SH-TFF4X | AVWT-250HKF5S     | Upper: 951 × 1603 × 828<br>Side: 1060 × 722 × 232<br>Rear: 951 × 1496 × 828<br>Front: 1080 × 188 × 232 |   |
| SH-TFF5X | AVWT-272-343HKF5S | Upper: 951 × 1885 × 828<br>Side: 1060 × 722 × 232<br>Rear: 951 × 1776 × 828<br>Front: 1080 × 328 × 232 |   |

### NFC

| Model    | Applicable Models                     | Picture   |
|----------|---------------------------------------|---|
| HNFC-EA1 | AVWT-76-1029HKF5S<br>AVW-76-308HKDHE2 |  |

Note: Suitable for S5, H5 Series.

### Air Outlet Guide

| Model   | Applicable Models | Dimensions (HxWxD) mm | Picture   |
|---------|-------------------|-----------------------|---|
| SH-34CD | AVW-27-34HJFAE1   | 590x590x137           |  |
| SH-76CD | AVW-42-76HJFAE1   | 711x594x137           |   |

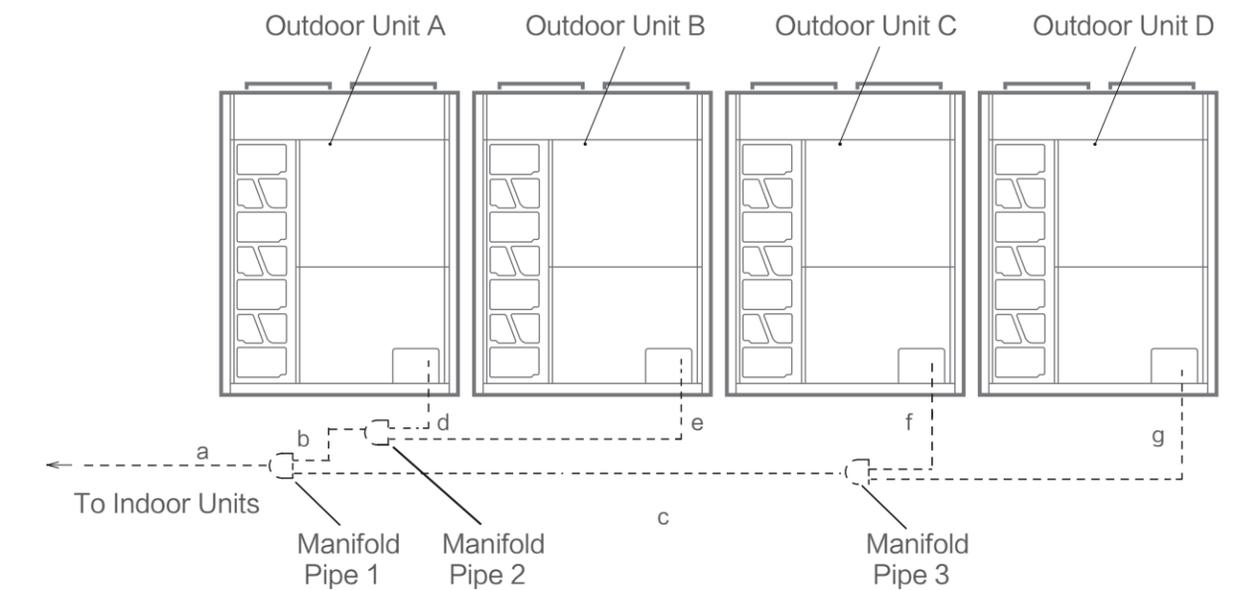
Note: Suitable for Hi-Smart A Series.

## Piping Connection Kit

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

### Manifold Pipe (For outdoor unit)

(Indoor Unit on Left Side)



For S5 Series System

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

For S Series Heat Recovery (Standard) 2 Pipes System

| Outdoor Unit   | AVWT-250-272FKFSB | AVWT-290-464FKFSB | AVWT-478-510FKFSB | AVWT-530-636FKFSB | AVWT-656-696FKFSB | AVWT-700-928FKFSB |
|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Manifold Pipe1 | HFQ-M22F          | HFQ-M32F          | HFQ-M32F          | HFQ-M462F         | HFQ-M682F         | HFQ-M682F         |
| Manifold Pipe2 | -                 | -                 | HFQ-M32F          | HFQ-M32F          | HFQ-M32F          | HFQ-M32F          |
| Manifold Pipe3 | -                 | -                 | -                 | -                 | -                 | HFQ-M32F          |

For S Series Heat Recovery (Standard) 3 Pipes System

| Outdoor Unit   | AVWT-250-344FKFSB | AVWT-360-464FKFSB | AVWT-478-510FKFSB | AVWT-530FKFSB | AVWT-550-636FKFSB | AVWT-656-696FKFSB | AVWT-700-720FKFSB | AVWT-740-928FKFSB |
|----------------|-------------------|-------------------|-------------------|---------------|-------------------|-------------------|-------------------|-------------------|
| Manifold Pipe1 | HFQ-M212F         | HFQ-M302F         | HFQ-M302F         | HFQ-M462XF    | HFQ-M462XF        | HFQ-M682XF        | HFQ-M682XF        | HFQ-M682XF        |
| Manifold Pipe2 | —                 | —                 | HFQ-M212F         | HFQ-M212F     | HFQ-M302F         | HFQ-M302F         | HFQ-M302F         | HFQ-M302F         |
| Manifold Pipe3 | —                 | —                 | —                 | —             | —                 | —                 | HFQ-M212F         | HFQ-M302F         |

For S Series Heat Recovery (High Efficiency) 2 Pipes System

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

For S Series Heat Recovery (High Efficiency) 3 Pipes System

| Outdoor Unit   | AVWT-228FKFSMA | AVWT-250-340FKFSMA | AVWT-360-424FKFSMA | AVWT-444-510FKFSMA | AVWT-530FKFSMA | AVWT-550-636FKFSMA | AVWT-648-680FKFSMA | AVWT-700-720FKFSMA | AVWT-740-848FKFSMA |
|----------------|----------------|--------------------|--------------------|--------------------|----------------|--------------------|--------------------|--------------------|--------------------|
| Manifold Pipe1 | HFQ-M202F      | HFQ-M212F          | HFQ-M302F          | HFQ-M302F          | HFQ-M462XF     | HFQ-M462XF         | HFQ-M682XF         | HFQ-M682XF         | HFQ-M682XF         |
| Manifold Pipe2 | —              | —                  | —                  | HFQ-M212F          | HFQ-M212F      | HFQ-M302F          | HFQ-M212F          | HFQ-M302F          | HFQ-M302F          |
| Manifold Pipe3 | —              | —                  | —                  | —                  | —              | —                  | HFQ-M212F          | HFQ-M212F          | HFQ-M302F          |

Branch Pipe (For indoor unit)

First Branch Pipe

For S5 Series System

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

For S Series Heat Recovery (Standard) 2 Pipes System

| Outdoor Unit HP | 8 to 10  | 12 to 16 | 18 to 24 | 26 to 54 | 56 to 66 | 68 to 96 |
|-----------------|----------|----------|----------|----------|----------|----------|
| Branch Pipe     | HFQ-102F | HFQ-162F | HFQ-242F | HFQ-302F | HFQ-462F | HFQ-682F |

For S Series Heat Recovery (Standard) 3 Pipes System

| Outdoor Unit HP | 8 to 10   | 12 to 16  | 18 to 24  | 26 to 36  | 38 to 54  | 56 to 66  | 68 to 96  |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Branch Pipe     | HFQ-M282F | HFQ-M452F | HFQ-M562F | HFQ-M692F | HFQ-M902F | HFQ-462XF | HFQ-682XF |

For S Series Heat Recovery (High Efficiency) 2 Pipes System

| Outdoor Unit HP | 8 to 10  | 12 to 16 | 18 to 24 | 26 to 54 | 56 to 66 | 68 to 88  |
|-----------------|----------|----------|----------|----------|----------|-----------|
| Branch Pipe     | HFQ-102F | HFQ-162F | HFQ-242F | HFQ-302F | HFQ-462F | HFQ-M682F |

For S Series Heat Recovery (High Efficiency) 3 Pipes System

| Outdoor Unit HP | 8 to 10   | 12 to 16  | 18 to 24  | 26 to 36  | 38 to 54  | 56 to 66  | 68 to 88  |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Branch Pipe     | HFQ-M282F | HFQ-M452F | HFQ-M562F | HFQ-M692F | HFQ-M902F | HFQ-462XF | HFQ-682XF |

First Branch Pipe~Last Branch Pipe

For S5 Series System

| Total Indoor Unit Hp | Lower than 6 | 6 to 8.99 | 9 to 11.99 | 12 to 15.99 | 16 to 17.99 | 18 to 25.99 | 26 to 35.99 | 36 to 47.99 | 48 to 57.99 | 58 to 83.99 | Over 84  |
|----------------------|--------------|-----------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|
| Gas (mm)             | 15.88        | 19.05     | 22.2       | 25.4        | 28.6        | 28.6        | 31.75       | 38.1        | 41.3        | 44.5        | 50.8     |
| Liquid (mm)          | 9.53         | 9.53      | 9.53       | 12.7        | 12.7        | 15.88       | 19.05       | 19.05       | 22.2        | 22.2        | 25.4     |
| Branch Pipe          | HFQ-102F     | HFQ-102F  | HFQ-102F   | HFQ-162F    | HFQ-162F    | HFQ-242F    | HFQ-302F    | HFQ-302F    | HFQ-462F    | HFQ-462F    | HFQ-682F |

For S Series Heat Recovery (Standard) 2 Pipes System

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

For S Series Heat Recovery (Standard) 3 Pipes System

| Total Indoor Unit Hp       | Lower than 6 | 6 to 8.99 | 9 to 11.99 | 12 to 15.99 | 16 to 17.99 | 18 to 21.99 | 22 to 25.99 | 26 to 35.99 | 36 to 55.99 | 56 to 57.99 | 58 to 67.99 | Over 68   |
|----------------------------|--------------|-----------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
| Low Pressure Gas (mm)      | 15.88        | 19.05     | 22.2       | 25.4        | 28.6        | 28.6        | 28.6        | 31.75       | 38.1        | 41.3        | 44.5        | 50.8      |
| High/Low Pressure Gas (mm) | 12.7         | 15.88     | 19.05      | 22.2        | 22.2        | 22.2        | 25.4        | 28.6        | 31.75       | 38.1        | 41.3        | 44.5      |
| Liquid (mm)                | 9.53         | 9.53      | 9.53       | 12.7        | 12.7        | 15.88       | 15.88       | 19.05       | 19.05       | 22.2        | 22.2        | 25.4      |
| Branch Pipe                | HFQ-M142F    | HFQ-M282F | HFQ-M282F  | HFQ-M452F   | HFQ-M562F   | HFQ-M562F   | HFQ-M692F   | HFQ-M692F   | HFQ-M902F   | HFQ-462XF   | HFQ-462XF   | HFQ-682XF |

For S Series Heat Recovery (High Efficiency) 2 Pipes System

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

For S Series Heat Recovery (High Efficiency) 3 Pipes System

| Total Indoor Unit Hp       | Lower than 6 | 6 to 8.99 | 9 to 11.99 | 12 to 15.99 | 16 to 17.99 | 18 to 21.99 | 22 to 25.99 | 26 to 35.99 | 36 to 55.99 | 56 to 57.99 | 58 to 67.99 | Over 68   |
|----------------------------|--------------|-----------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|
| Low Pressure Gas (mm)      | 15.88        | 19.05     | 22.2       | 25.4        | 28.6        | 28.6        | 28.6        | 31.75       | 38.1        | 41.3        | 44.5        | 50.8      |
| High/Low Pressure Gas (mm) | 12.7         | 15.88     | 19.05      | 22.2        | 22.2        | 22.2        | 25.4        | 28.6        | 31.75       | 38.1        | 41.3        | 44.5      |
| Liquid (mm)                | 9.53         | 9.53      | 9.53       | 12.7        | 12.7        | 15.88       | 15.88       | 19.05       | 19.05       | 22.2        | 22.2        | 25.4      |
| Branch Pipe                | HFQ-M142F    | HFQ-M282F | HFQ-M282F  | HFQ-M452F   | HFQ-M562F   | HFQ-M562F   | HFQ-M692F   | HFQ-M692F   | HFQ-M902F   | HFQ-462XF   | HFQ-462XF   | HFQ-682XF |

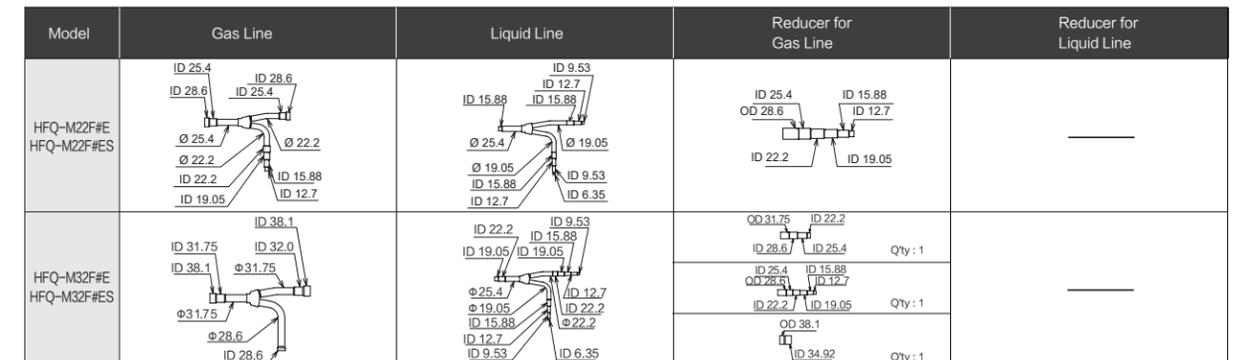
Last Branch Pipe~Indoor Unit

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

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

Manifold Pipe Parameter

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



### Manifold Pipe Parameter

| Model                       | Gas Line | Liquid Line | Reducer for Gas Line | Reducer for Liquid Line |
|-----------------------------|----------|-------------|----------------------|-------------------------|
| HFQ-M462F#E<br>HFQ-M462F#ES |          |             |                      |                         |
| HFQ-M682F#E<br>HFQ-M682F#ES |          |             |                      |                         |

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

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

### Branch Pipe Parameter

| Model        | Low Pressure Gas Line | High Pressure Gas Line | Liquid Line | Reducer for Low Pressure Gas Line | Reducer for High Pressure Gas Line | Reducer for Liquid Line |
|--------------|-----------------------|------------------------|-------------|-----------------------------------|------------------------------------|-------------------------|
| HFQ-M142F#E  |                       |                        |             |                                   |                                    |                         |
| HFQ-M282F#E  |                       |                        |             |                                   |                                    |                         |
| HFQ-M452F#E  |                       |                        |             |                                   |                                    |                         |
| HFQ-M562F#E  |                       |                        |             |                                   |                                    |                         |
| HFQ-M692F#E  |                       |                        |             |                                   |                                    |                         |
| HFQ-M902F#E  |                       |                        |             |                                   |                                    |                         |
| HFQ-462XF#ES |                       |                        |             |                                   |                                    |                         |
| HFQ-682XF#ES |                       |                        |             |                                   |                                    |                         |

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

### Branch Pipe Parameter

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

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

### Branch Header

| Model       | Gas Line | Liquid Line | Closing Pipe | Expander   |
|-------------|----------|-------------|--------------|------------|
| HFQ-064HFD  |          |             | <br>(2 pc)   | <br>(4 pc) |
| HFQ-068HFD  |          |             | <br>(6 pc)   | <br>(2 pc) |
| HFQ-0610HFD |          |             | <br>(8 pc)   | <br>(2 pc) |
|             |          |             | <br>(8 pc)   | <br>(10pc) |

RELIABILITY

EFFICIENCY

COMFORT

FLEXIBILITY

OUTDOOR UNIT

INDOOR UNIT

CONTROL SYSTEM

ACCESSORY

### Branch Header for A Series

Unit:mm

| Model        | ØN    | ØM    | Gas side joint(ØN-ØM) | ØP   | Liquid side joint(Ø9.53-ØP) | Insulation |
|--------------|-------|-------|-----------------------|------|-----------------------------|------------|
| HFQ-082TF#EN | 15.88 | 12.7  |                       | 6.35 |                             |            |
| HFQ-102TF#EN | 19.05 | 15.88 |                       | 9.53 |                             |            |
| HFQ-083TF#EN | 15.88 | 12.7  |                       | 6.35 |                             |            |
| HFQ-103TF#EN | 19.05 | 15.88 |                       | 9.53 |                             |            |
| HFQ-084TF#EN | 15.88 | 12.7  |                       | 6.35 |                             |            |
| HFQ-104TF#EN | 19.05 | 15.88 |                       | 9.53 |                             |            |
| HFQ-085TF#EN | 15.88 | 12.7  |                       | 6.35 |                             |            |
| HFQ-105TF#EN | 19.05 | 12.7  |                       | 6.35 |                             |            |
| HFQ-086TF#EN | 15.88 | 12.7  |                       | 6.35 |                             |            |
| HFQ-106TF#EN | 19.05 | 12.7  |                       | 6.35 |                             |            |
| ADAPTER      |       |       |                       |      |                             |            |
| HPI-E1215N   |       |       |                       |      |                             |            |
| HPI-E0609N   |       |       |                       |      |                             |            |
| HPI-E1519N1  |       |       |                       |      |                             |            |
| HPI-E0912N   |       |       |                       |      |                             |            |

### Flare-nuts Branch Pipe for A Series

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