

Reimagine your solution

Hisense VRF

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Hisense VRF

Hisense HI-FLEXi S


Hi-FLEXi S


LARGE MODULE DESIGN, 112HP COMBINATION

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تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

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THE SINGLE UNIT CAPACITY
UP TO 28HP

FOUR MODULE COMBINATION CAN
REACH TO 112HP


Hisense Hi-FLEXi S Series




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HIGH EFFICIENCY

STRONG HEATING PERFORMANCE

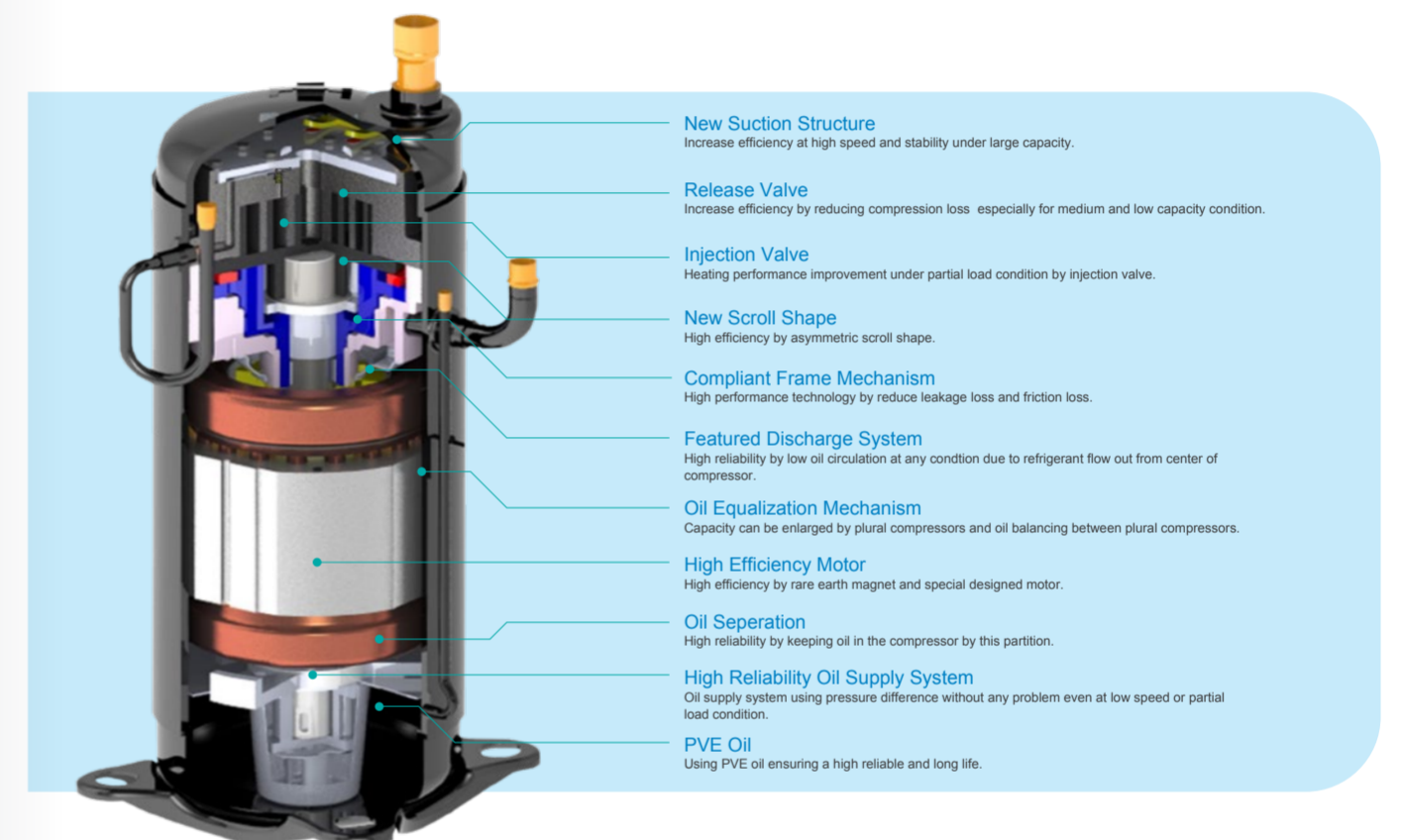
Statistics shows that the central air conditioning consumes 40% to 60% energy of the entire building. The energy-saving air-conditioning is essential for the modern building. Hisense Hi-FLEXI S series is the new upgrade version which uses a new generation of enhanced vapor injection compressor and applying all DC inverter energy saving technology. It has more powerful heating capacity and is more efficient in energy saving. It perfectly meet the energy-saving needs of the central air conditioning market.



New Generation of Enhanced Vapor Injection Scroll Compressor

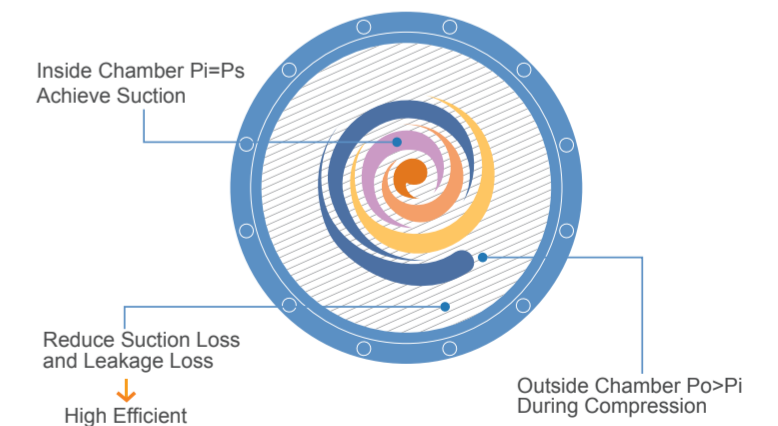
Hisense Hi-FLEXI S series adopts a new generation of the high efficiency scroll compressor and the patented vapor injection technology*1. It can greatly enhance the heating performance and achieve high energy-saving efficiency. Powerful heating is guaranteed by Hisense S series, especially in low temperature conditions with heating capacity increased by 25%, comparing with the normal model.

Note: *1. National patent acceptance number: a heat exchange cycle system and control methods and air conditioning, 201610909006.X

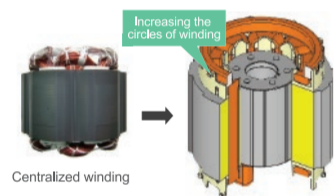


Asymmetrical Scroll Structure

The asymmetric scroll structure effectively reduces refrigerant gas leakage during suction and compression and enhances operation efficiency and reliability.



- A special design of double back pressure chamber structure to improve energy efficiency and reliability of the compressor.
- The new involute scroll, using special materials, effectively reduces the friction and refrigerant gas leakage loss (ie, mechanical loss and pressure loss), and improves efficiency and reliability of the overall operation.
- High-pressure chamber design inhales directly, reducing the loss of inspiratory overheating. Compared to the low-pressure chamber compressor, this design greatly improves the compression efficiency.
- The compressor unloader valve effectively prevents over-compression of gas in the cavity and the increase of power consumption caused by the excessive exhaust pressure, and improves the operation efficiency of the compressor at low and medium frequency, so the compressor runs more energy-efficiently and more steadily.



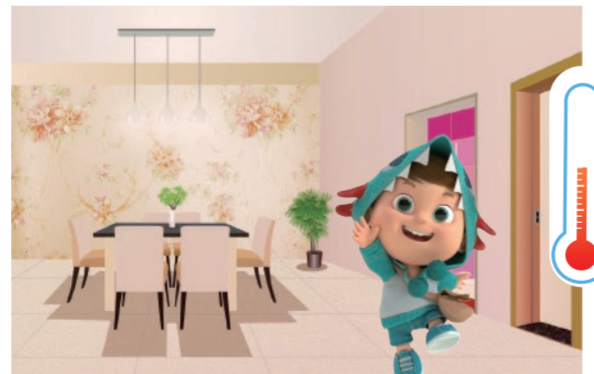
- The concentrated winding stator lowers the copper loss and increases higher compressor efficiency; the stator coil applies "keel motor" manufacturing technique to enhance the compressor COP, and to further enhance the compressor efficiency under low load.



- The new 6-pole high efficiency rubidium magnet rotor core of motor rotor improves the motor efficiency and reduces noise of the motor.

Powerful Heating Capacity in Low Temperature

The system uses the vapor injection two-stage compression technology and the intelligent defrost technology to achieve strong heating efficiency at low temperatures which ensures the strong heating capacity even under -15°C . And it can reach the setting temperature quickly. Meanwhile, energy-saving and environmental protection effect can also be guaranteed by Hi-FLEXi S Series.



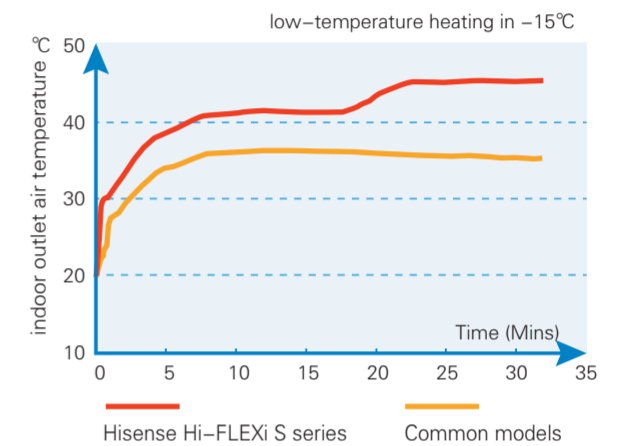
Rapid Heating in Low Temperature With High Outlet Air Temperature

When the Hi-FLEXi S Series is operating under a low outdoor temperature of -15°C , the outlet air temperature of the indoor unit can reach to 40°C or higher* in a short time. The outdoor unit has a fast and powerful heating capacity, so it can offer you a warm and comfortable environment in cold winter.

This experimental result is based on the 10HP outdoor unit and 2 indoor units

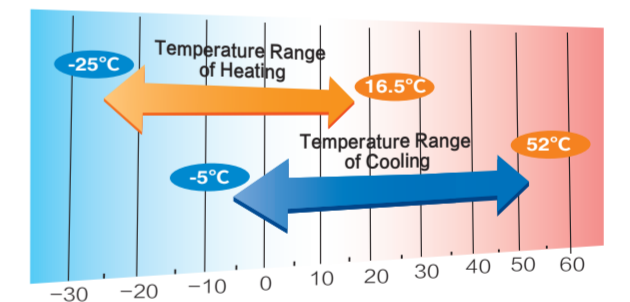
Experimental conditions:
Outdoor suction temperature: -15°C (dry bulb),
Relative humidity: 75%,
Indoor unit suction temperature: 20°C (dry bulb), high air volume.
Length of indoor and outdoor pipes: 6 meters.
Measurement sites: constant laboratory.

Note: The actual heating time is diverse from the heat load, selected models and building maintenance structures.



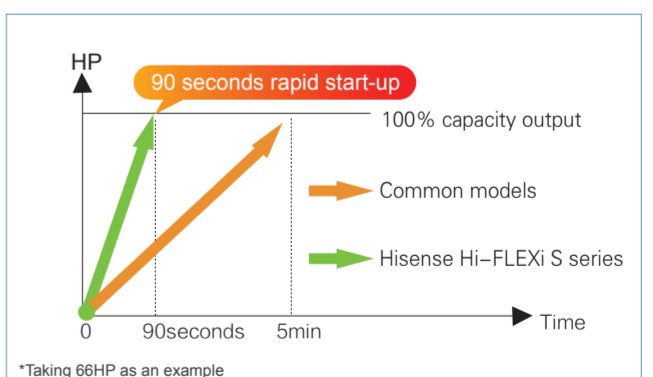
Wide Operating Range Meets Greater Demands

With a wide operating temperature range, the outdoor unit can operate from -25°C to 16.5°C . The heating effect in winter is strong, which perfectly meet customers' needs in different environments. The unit can be able to operating in -25°C degree, when the unit is heating in winter. Also, the heating operating temperature can be up to 52°C when the unit is in cooling mode.



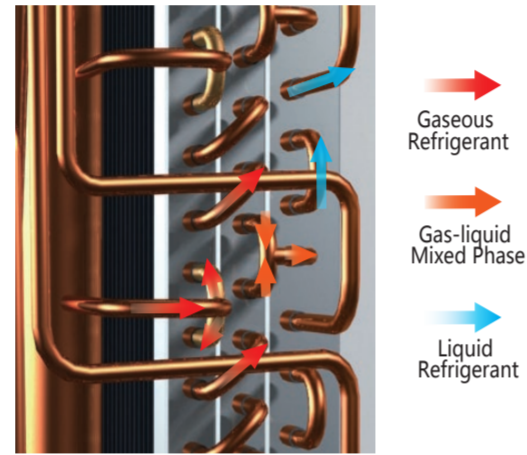
Rapid Heating Start-up

Combing the soft start of DC inverter compressor and rapid start of fixed speed compressor, the system can achieve 100% heating capacity output instantly to meet the air conditioning demand.



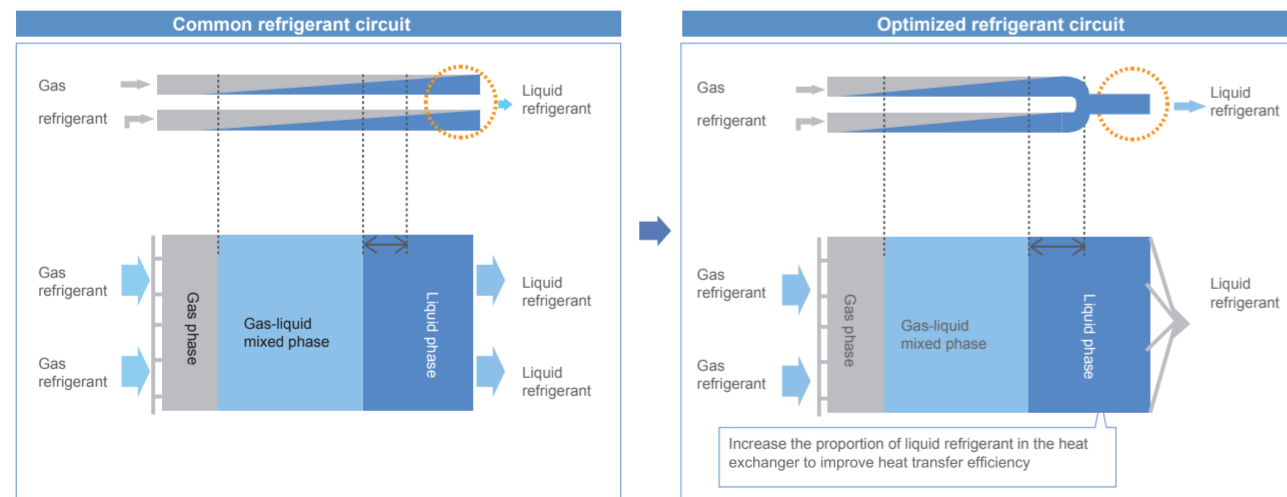
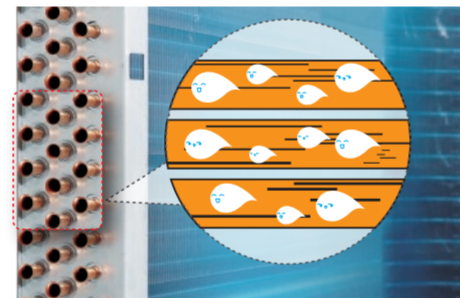
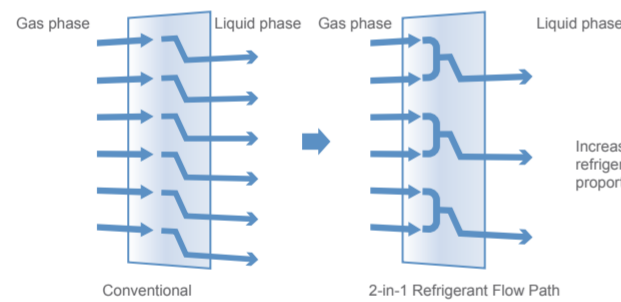
The New G-type Heat Exchanger, More Efficient and Powerful

The outdoor unit is equipped with a newly designed high-efficiency G-type heat exchanger, which greatly enlarges the heat exchange area and the efficiency. By using double electronic expansion valves in the shunt system, the heat exchanger achieves partition control, the refrigerant load distribution is more reasonable, and therefore the overall heat transfer performance is better. The heat exchanger, using the internal thread copper of high thermal conductivity with the diameter of $\Phi 7.0\text{mm}$ and new fins, reduces the air flow resistance, makes heat transfer more equably and sufficiently, greatly improves heat transfer efficiency, decreases the frosting amount on the heat exchanger in winter, and improves the heating effect. Through a specially designed refrigerant flow process of two-in-one-out, the heat exchanger is more efficient and effectively improves the subcooling degree of the system.



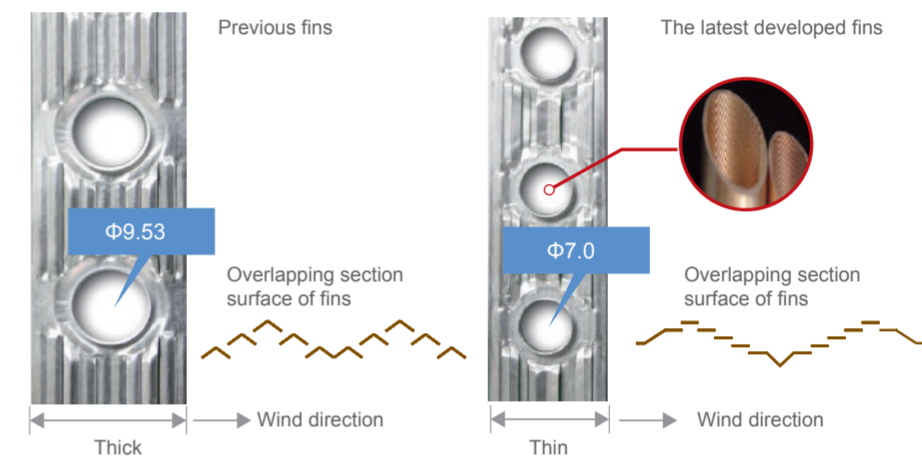
Optimized Refrigerant Circuit

Using imported high-precision equipment, the heat exchangers with top-quality are completely self-processed by our own. The non-expansion tube expansion tech avoids durability reduction caused by the stretching of copper pipes. The multi-column $\Phi 7$ refrigerant tubes effectively increase the heat exchange area and improve the heat exchanging efficiency.



High-efficiency Inner Grooved Tube and Stepped Fins

Hisense new step-like high-efficiency heat transfer fins use new low-pressure-loss fins and copper tubes in it.



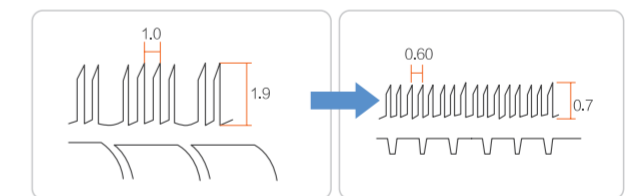
Hierarchical diagram of hydrophilic aluminum foil



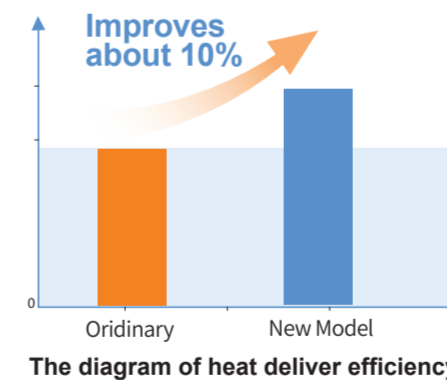
- Not easy to frost in heating mode;
- Slow down the corrosion of heat exchanger by corrosive gases;
- Destroying the surface tension of water droplets accelerates the down flow speed of defrost water or condensate water and improves the air conditioning performance.

Improved Super-cooling

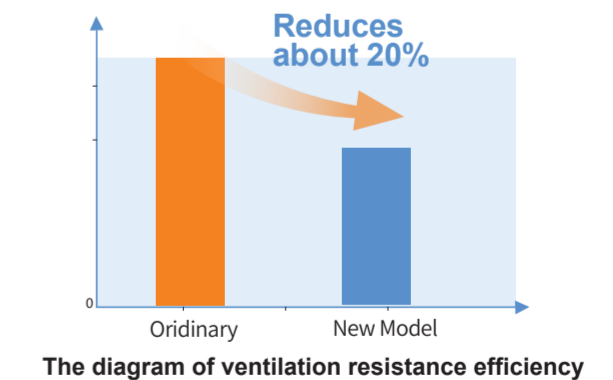
The optimization of finned tubes, increasing of fins number and reducing of height on the basis of traditional secondary super-cooler reduces its pressure loss, increases coefficient of heat conduction and improves super-cooling performance.



The heat transfer efficiency improves 10%



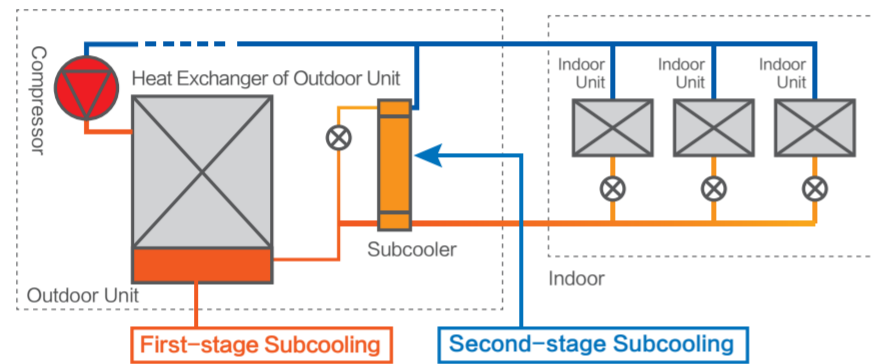
The ventilation resistance reduces 20%



Two-stage Sub-cooling; Bigger Capacity and Longer Pipe

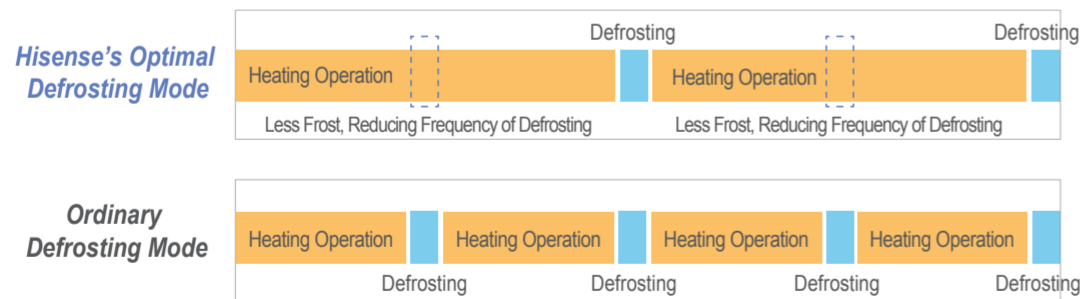
The Cooling section of the outdoor heat exchanger is specially designed, which is much powerful than the traditional outdoor units of the multi-split air conditioner without cooling section. The first-stage sub cooling can lower temperature by 12.5 °C; The second-stage sub-cooling was realized by a more efficient re-cooler. The two-stage sub-cooling can reduce temperature by 27 °C.

- Increasing cooling capacity of the unit refrigerant
- Reducing the resistance when refrigerant flowing in pipelines
- Increasing sub-cooling degree, more accurate controlling of electronic expansion valve, more stable operation
- Increasing sub-cooling degree, increasing the length of refrigerant pipe



Intelligent Defrosting, Efficient and Powerful Heating

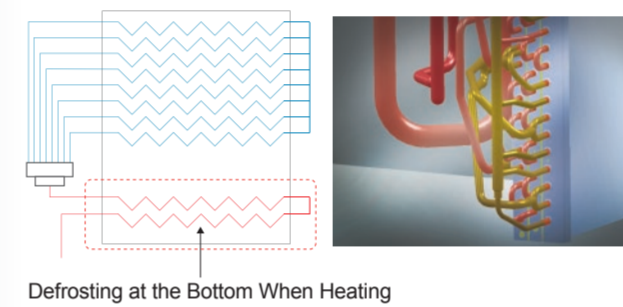
Hisense Hi-FLEXI S series upgrades its intelligent defrosting technology, optimizes the defrosting control, and has a variety of intelligent defrosting modes which can be chosen to different regions to realize best defrosting effect, shorten defrosting time and guarantee better heating effect. According to the outdoor temperature sensor, heat exchanger sensor and evaporation pressure sensor of the heat exchanger, the outdoor unit can defrost with variable parameters, accurately seize the opportunity of defrosting, and effectively solve the problems concerning defrosting in winter. As a result, the outdoor unit will not frost frequently, and the amount of frost per unit time significantly reduces only accounting for 1/3 of the frost under ordinary defrost mode, therefore, ensuring the heating effect in winter. A unique frost-proof structure at the bottom and a two-in-one-out heat exchanger ensure that there is no frost at the bottom of the outdoor heat exchanger, and the ice water mixture left along the fins can be fully heated to the liquid state and drained through the bottom drainage holes to avoid the poor heating performance caused by frost accumulation.



The ordinary defrost mode of the multi-split air conditioner only refers to time, temperature of the outdoor temperature sensor and temperature of the heat exchanger sensor, while Hisense's pressure-based-defrost mode, based on all above, innovatively introduces the pressure sensor to sense the pressure signal (Pressure) to defrost through variable parameters such as pressure, temperature and time parameters at best time.

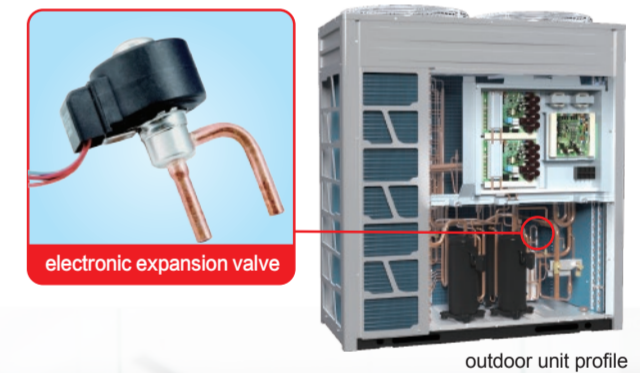
- New Anti-frosting Design at The Bottom

Special design for protection against frost at the bottom ensures the bottom of outdoor heat exchanger to be frost-free while heating in winter. Meanwhile, ice water mixture left along the fins can be fully heated to be liquid while defrosting and be discharged through drain holes at the bottom, avoiding poor heating result caused by frost accumulation at the bottom.



Multi-electronic Expansion Valve Control Technology

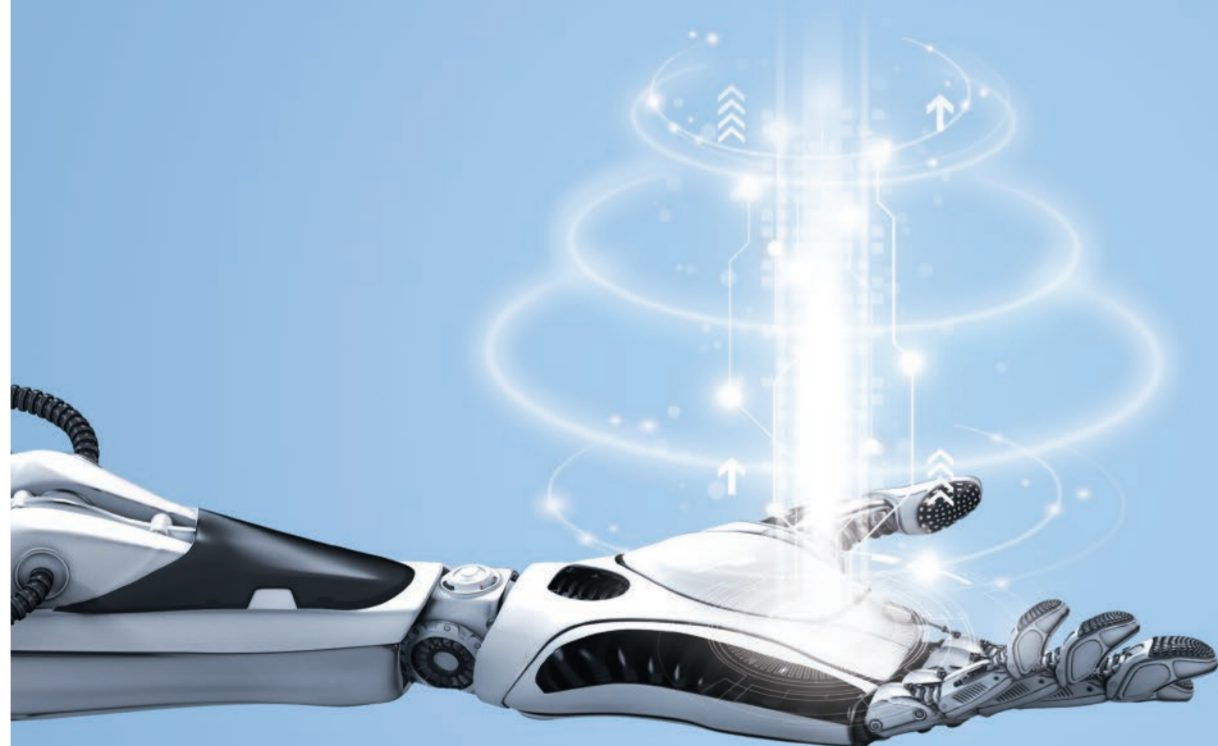
There are more than one high-precision electronic expansion valves installed in the outdoor unit. The electronic expansion valve can quickly respond to the changes of the outdoor environment and indoor load. The unit refrigerant flow can be regulated by the indoor electronic expansion valve. With a 2000 refrigerant flow control range, the indoor temperature fluctuation is low and the indoor environment is more comfortable.



STABLE OPERATION

WITH HIGH INTELLIGENCE

Hisense Hi-FLEXi S series has an innovative structure appearance. It apply a variety of intelligent technologies, which achieves a series of intelligent operation from component selection to unit running. A full range of control ensures the quality of the system. Meanwhile, based on the high-level technology support platform of Hisense VRF, its operation is more stable and reliable.

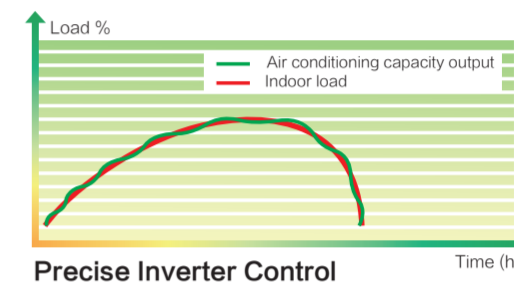


Full DC Inverter Energy-saving Technology, High Energy Efficient and Reliable

DC Frequency Inverter Technology in Compressor

Stepless Frequency Conversion Control Technology

Hisense VRF adopts wide range and high-precision inverter. Its adjustment range is 0-450Hz and the control accuracy is 0.01Hz. The operating speed of outdoor DC inverter compressor can be adjusted continuously and freely, which can not only improve user experience, but also enhances the energy efficiency of the unit.



The Latest Dual FOC 180 Degree Sine Wave DC Variable Speed Drive Technology

Using the top inverter controller of the industry, this product is an upgrade version of the current mainstream IGBT inverter controller. With small size, high precision, and internal self-protection control (over voltage, under voltage, phase, phase error, over current, overheating, etc.), the inverter controller is significantly promoted in control accuracy and reliability.

New Generation of Power Sharing CIB Dual-module Inverter-driven Technology

The inverter adopts double FOC 180° vector sine wave drive algorithm to drive the compressor motor in dual mode, and possesses various protective functions against over current, over voltage, under voltage, short circuit, modules and heat sinks temperatures, power phase loss, bus voltage fluctuations and communication failures to ensure the efficiency and reliability. In the high frequency band, the two-phase over-modulation technology improves the utilization of the voltage, and increases a substantial output voltage, and then reduces the module current so as to greatly decrease the module's heat loss. In the low frequency band, the torque compensation technology reduces the compressor vibration and the machine noise and greatly improves the module's reliability and efficiency. At the same time, the integrated CIB module also makes the electrical system and electrical box get better layout and better design, and effectively reduces the electromagnetic interference and further improves the reliability of the drive module.

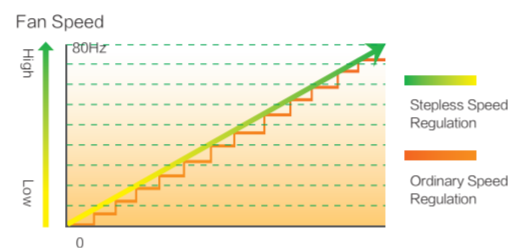


Fans of Outdoor Units With Speed Control, More Efficient and More Stable

The DC variable speed motor is used on outdoor fans, which increases the motor efficiency by 40 percent and significantly reduces the power consumption. Matching the stepless frequency conversion technology of the compressor, Fans can carry out stepless speed regulation with high precision according to the environmental conditions and air conditioning load conditions; therefore, the system runs more steadily and more reliably.

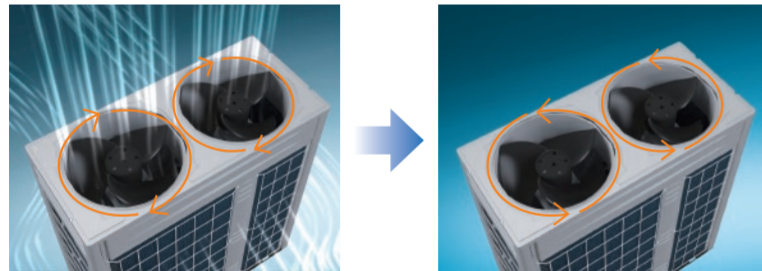
- Stepless Frequency Conversion Speed Control of Fan

Ensure stability of compressor discharge pressure and suction pressure to improve unit reliability;
Ensure stability of unit dynamic distribution of refrigerant flow and capacity of indoor unit;
Quickly control response speed of system to better meet the needs of load changes of the air conditioner.



- Fan Protection

Convention



Instantaneous reverse rotation with sudden increased torque may cause damage to the blades

External forces make the fan Counter-rotate

Fan Protection Function



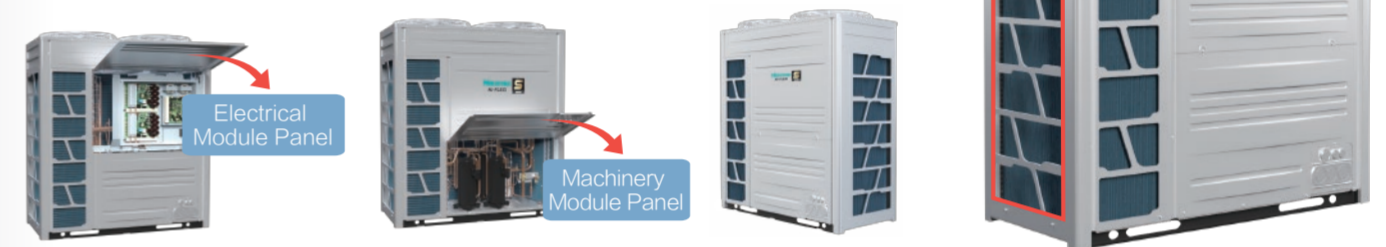
External forces make the fan Counter-rotate

the fan stops before the unit starts

Forward rotation with small starting torque, protect fan blades

Brand New Appearance, Fashionable & Durable

The strong frame and thick steel supporter for motor guarantee operation stability and reliability. The panels of the outdoor unit and the mechanical compartment can be disassembled and installed separately, which provides convenience for the installation, maintenance and debugging of the unit. Ventilation holes on the side panels of the outdoor unit can effectively reduce the ventilation resistance, increasing the ventilation volume, thus enhancing the heat exchange efficiency of the heat exchanger.

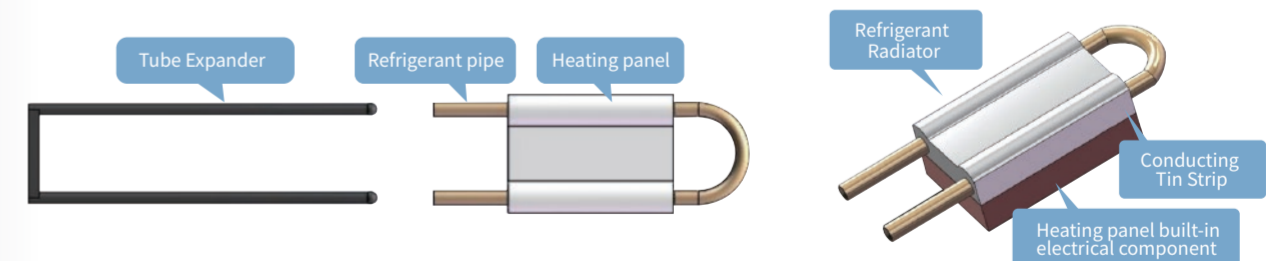
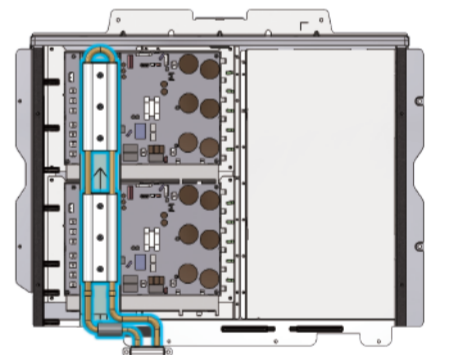


Patented 360°

Perfectly Fitting Refrigerant Cooling Technology , More Reliable Cooling System

With the patented 360° refrigerant cooling technology, HI-FLEXI S Series can stably and efficiently remove the heat from the main control board, inverter module and outdoor unit's electric box to improve the electrical reliability of the unit when it operates under high temperature conditions. It ensures stability and safety of the outdoor unit operation. Also, it prevent the poor heat dissipation caused by the fan cycle rotation or stop rotating.

- The refrigerant heat sink is made by aluminum alloy with high thermal conductivity, and the internal mechanical tube expansion processing makes the copper tube 360° fitting.
- A thermal pad is added between the refrigerant radiator and the heat sink built-in the electrical component to increase the heat transfer efficiency. Made by imported lead-free solder film with high thermal conductivity, the thermal pads greatly improve the overall performance.



National Patent Number:

1. Processing method of refrigerant radiator, air conditioning and refrigerant cooling, 201710413663.X
2. Refrigerant heat sink and air conditioning, 201720645923.

3. Testing device and method of a refrigerant radiator, 201710456157.9
4. Testing device and method for refrigerant heat sink, 201710601662.8

Accurate Self-diagnosis and Self-regulation for System Pressure and Temperature

- Fast and Accurate Pressure Sensing Technology

With the high and low pressure sensor of high precision, the outdoor unit can precisely control system pressure, continuously collect system pressure with high-frequency, make a real-time feedback about the measurement results, and accurately control the output at the very first time through the system's main controller.

Combined with compressor frequency control, fan operating speed and electronic expansion valve opening degree, the pressure sensing technology adjusts the condensing pressure and evaporation pressure of the system to an optimal condition, therefore, ensuring stable operation, timely protection and a longer life for the unit.



Pressure Sensor



Compressor Frequency Control



Fan Operation Control



Electronic Expansion Valve Opening Degree Control

- 32-bit MCU and High-speed Transfer Bus

32-bit MCU data processing combining with the high-speed transmission bus could do multitasking of signal processing including outdoor unit control, indoor unit control, temperature control, compressor frequency, fan speed, switch and so on at the same time, which can maintain the stability while ensuring efficient operation and realizing non-polarized communications of high speed and high efficiency.



32-bit MCU Data Processing

- Flow Control

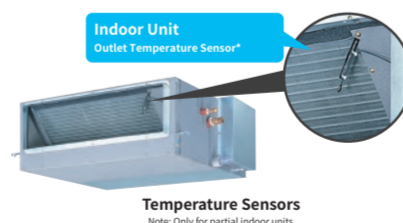
Using the microcomputer electronic expansion valve, the indoor unit has automatic regulation function of 2000-level which can carry out precise automatic flow regulation with a more accurate temperature regulation and better energy-saving according to the actual indoor load.



Electronic Expansion Valve of 2000-level

- Temperature Sensing

The multi-point temperature sensors can carry out real-time detection and feedback about the outside temperature, indoor temperature and outlet air temperature, therefore, to analyze and regulate the system output through the main controller of the system.



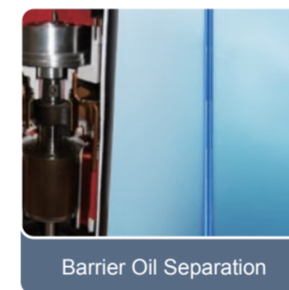
Temperature Sensors
Note: Only for partial indoor units

Multiple Oil Circuits Ensuring High Efficiency and Reliability

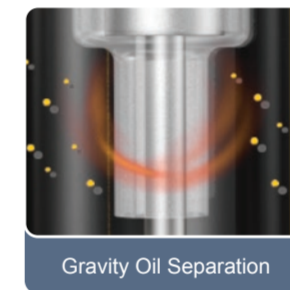
Through the technology of multiple oil separation, oil return control and system oil control, the balance between outdoor units can be achieved, ensuring the system running stably and reliably and the oil return up to 99%.

- Multistage Oil Separation Technology

The multiple oil separation technology, through the forms such as barrier oil separation, centrifugal oil separation and gravity oil separation in a high-pressure chamber, carries out internal multistage oil separation. The technology of oil supply through pressure differences and the intelligent oil level control maintains a stable internal oil level with only a small amount of oil taken out of the compressor. Outside the compressor, the small amount of oil discharged from the compressor is re-separated by a high-efficiency centrifugal oil separator of large capacity and a gas-liquid separator. The overall separation efficiency is up to 99.9% or more.



Barrier Oil Separation



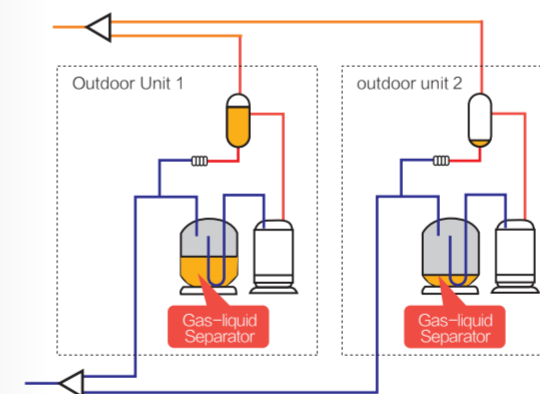
Gravity Oil Separation



Centrifugal Oil Separation

- The First Stage Oil Return Control

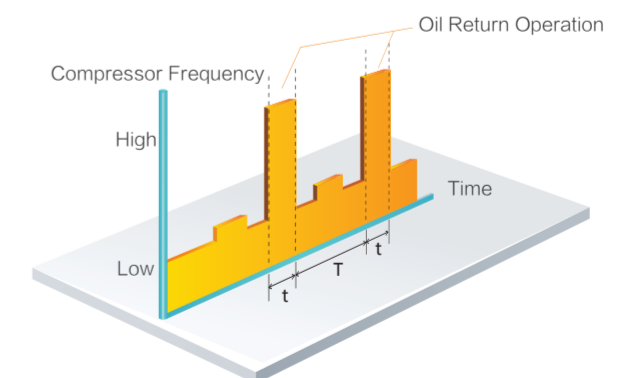
Using porous oil return technology, the gas-liquid separator with a built-in high-efficiency fine mesh can keep the oil balance between modules.



- The Second Stage Oil Return Operation

The system carries out oil return operation according to the compressor operating frequency and corresponding operating time, thus avoiding oil remaining in the indoor or outdoor heat exchanger when system runs with low load for a long time and compressor failure caused by the lack of refrigeration oil. The oil return operation lasts only 60 seconds, after which, it will automatically return to the former status.

When heating in winter, there is no need to change the mode to carry out oil return operation, achieving oil return without stopping operation and a better heating effect.



Two-pipe Even Oil Control

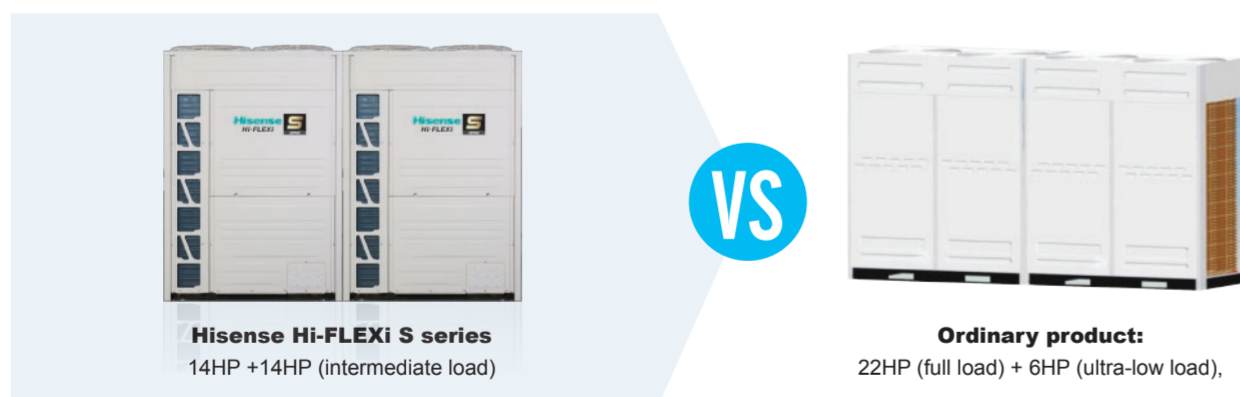
By coordinating the oil discharge and oil return in the compressor, gas-liquid separator and oil separator, the automatic balance of the lubricant between each outdoor unit can be adjusted without using oil pipes, which avoids the fluctuations like system pressure, temperature etc. under the mode using oil pipes, simplifying the installation and improving the operation stability and comfortability.



Intelligent & Accurate Unit Capacity Allocation

Tests show that multi-coupled air conditioning unit reach its highest efficiency and the lowest power consumption at 40% to 75% of its full load.

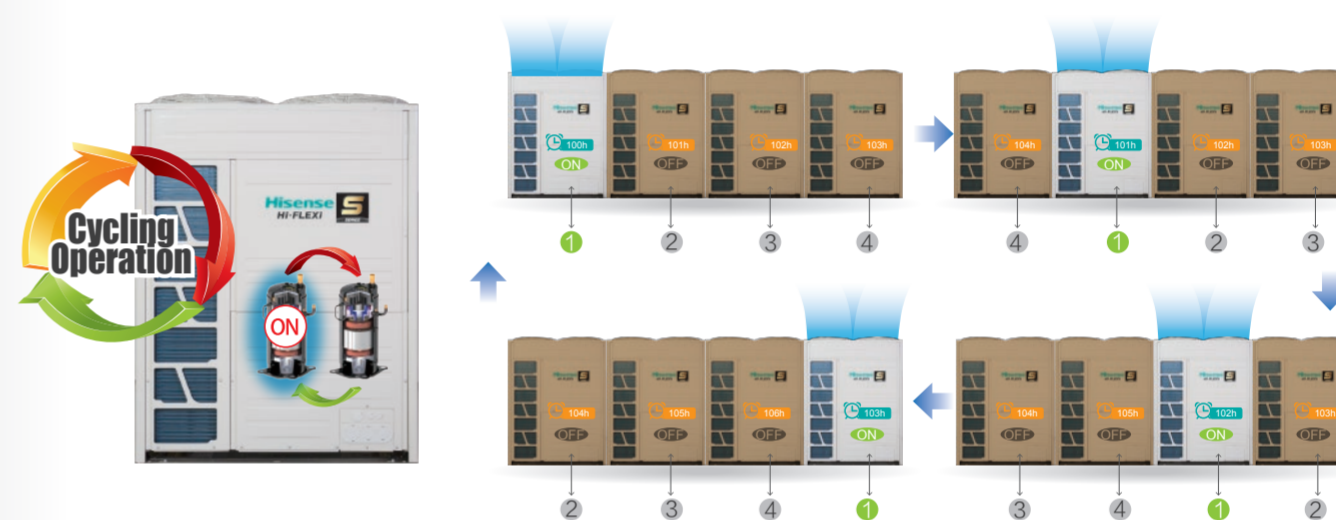
Eg: Each module load distribution of 44HP unit (double module full load) at 28HP load



Multi-mode-operation Ensuring Long-life and Rereliability

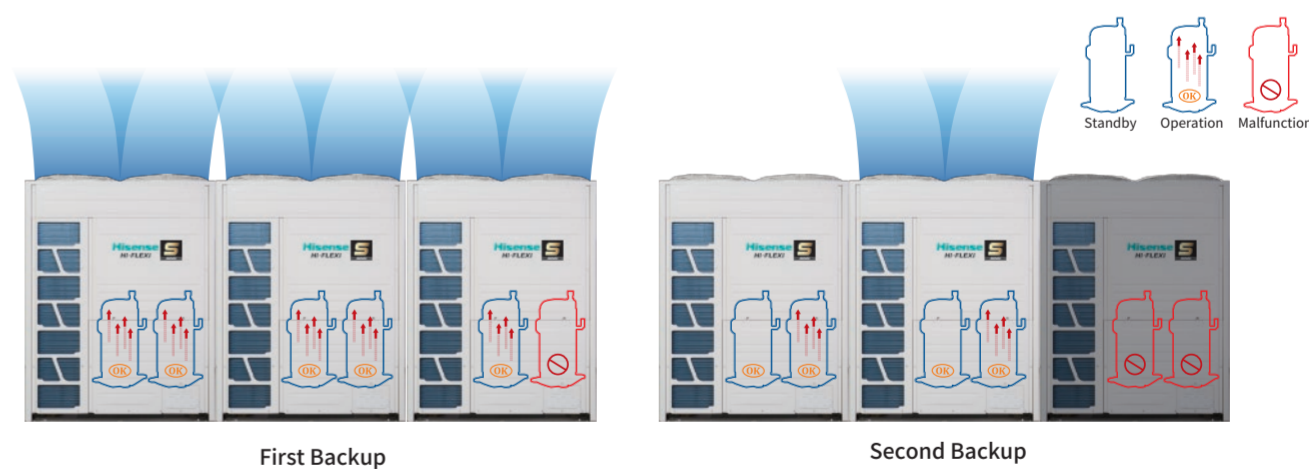
- Rotation Technology

Through the rotation technology, the running time of each outdoor unit is balanced, and the durability and a longer service life of the system are achieved.



- Dual-backup Operation

The compressor of outdoor unit has emergency functions. The unit can achieve emergency operation in emergent situations. As to the first backup, if one of the two compressors in the outdoor unit fails (12HP or more), and the other compressor can run in emergency. As to the second backup, if one outdoor unit in a system more than 16HP fails, the rest of can work in emergency.



Multiple Protections Ensuring Safer and More Stable Operation



Compressor Protection

- Compressor suction
- Exhaustion pressure protection
- Compression ratio protection
- Exhausting temperature protection
- Oil return protection

Inverter Protection

- Inverter temperature protection
- Voltage protection

System Protection

- Ventilator pressure protection
- Four-way valve protection
- Indoor and outdoor temperature protection
- Subcooling protection

Electric Protection

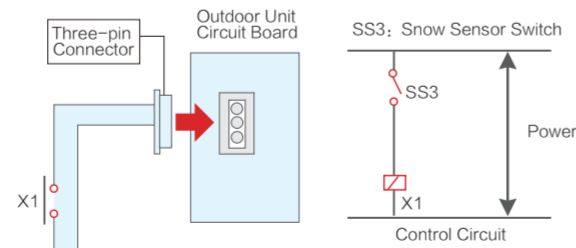
- Voltage phase-failure judging
- Current protection
- Motor protection
- protecting from Lightning

Automatic Repairing of Electronic Control Circuit

Under the circumstance of adverse malfunction which is easy to cause damage to the multi-split air conditioner like extreme high temperature, excessive current, and too high or too low refrigerant pressure, the electrical control circuit will start automatic repairing function, alarm immediately, and repair the circuit automatically to ensure the unit running at an appropriate temperature, current, refrigerant pressure, thereby increasing the reliability and extending the service life of the unit.

Automaticly Protecting From Snow Accumulation

Under extreme weather of snowstorms, even if the outdoor unit is shorted when no signal is received, the outdoor fan motor will start to run at full speed, preventing the outdoor unit from being covered by snow. When users begin to use air conditioners, the fan will turn back to the normal operation mode.

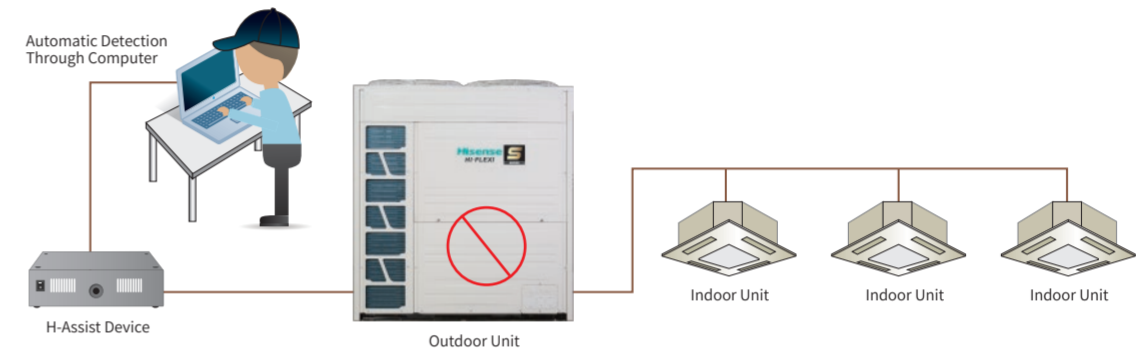


Work Diagram of Resisting Wind and Snow

* This function requires an optional function accessory.

Intelligent Detection

The specially designed H-Assist device (intelligent detection assistant) can automatically detects the unit's running condition use by computer, real time monitors unit parameters changes, finds problems in advance, and then make appropriate treatments.

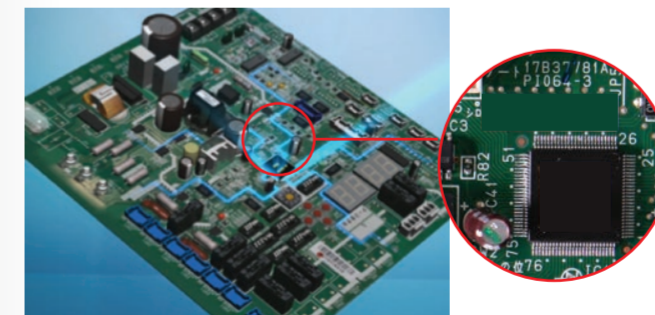


Intelligent Judgment for Pipeline Malfunction

Based on the high pressure sensor and the low pressure sensor and combining with the compressor discharged air temperature sensor, the system can carry out real time monitor on refrigerant operation, detect and judge the pipeline problems (such as pipeline connection error, leakage, etc.) in time, avoiding further malfunction or damage.

Error Information Storage "Black Box"

Both the main computer board and the wired controller of the outdoor unit can store error information so that the maintenance personnel can detect the operation information before the malfunction and find out the cause.



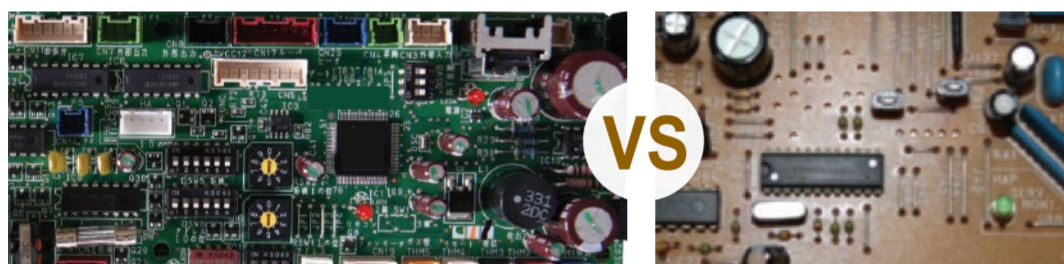
Protecting From Lightning

The outdoor unit has special lightning protection module which has functions of anti-interference and lightning protection, so the system can run more stably and reliably.



PCB Substrate

Indoor and outdoor substrates are made of double sided resin PCB board with high integration level, which make maintenance and repair easier.



Hisense PCB board:

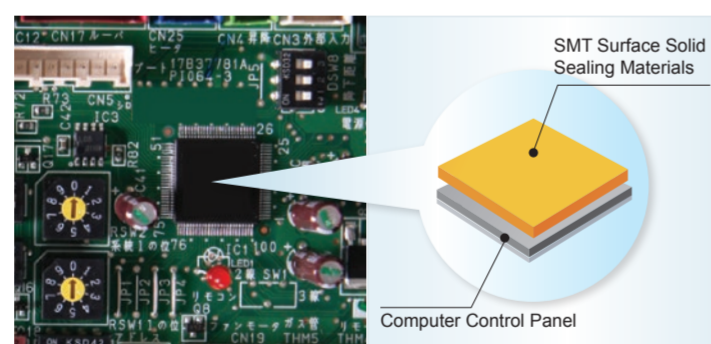
Epoxy resin composite substrate: double-sided printing, SMD welding, high strength, good weather resistance, great flame retardancy, high reliability, compact structure, small size.

Ordinary PCB board:

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

- Control Panel of High Reliability

The SMT sealing technology, through strict optical inspection, low temperature environment test, high temperature environment test, on-line inspection, functional inspection, and vibration and stress test, can effectively improve the anti-interference ability of the control panel without being affected by smog, sand storm, high temperature and humidity, and significantly improve the anti-corrosion performance.

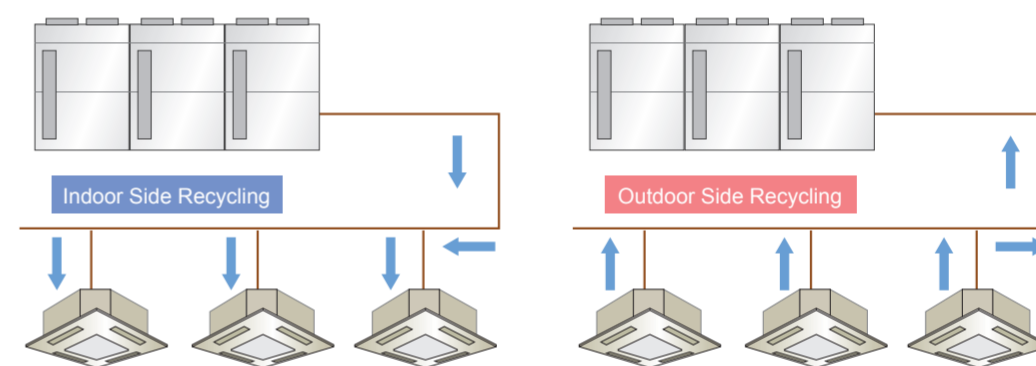


Automatic Detection and Phase Sequence Self-regulation

DC motors are used for the compressor and fan motors. Through the leading automatic detection and phase sequence self-regulation, the unit can automatically correct phase sequence when there is an error in the phase sequence of power distribution, thus ensuring normal operation.

Refrigerant Automatic Recycling Technology

When the unit needs maintenance, the refrigerant can be automatically recycled into the storage tank, outdoor unit heat exchanger, or the side of the indoor unit.



Indoor Unit Power-down Emergency Maintenance

When a failed indoor unit needs repairing with power cut, it can be powered off alone without affecting the entire system.



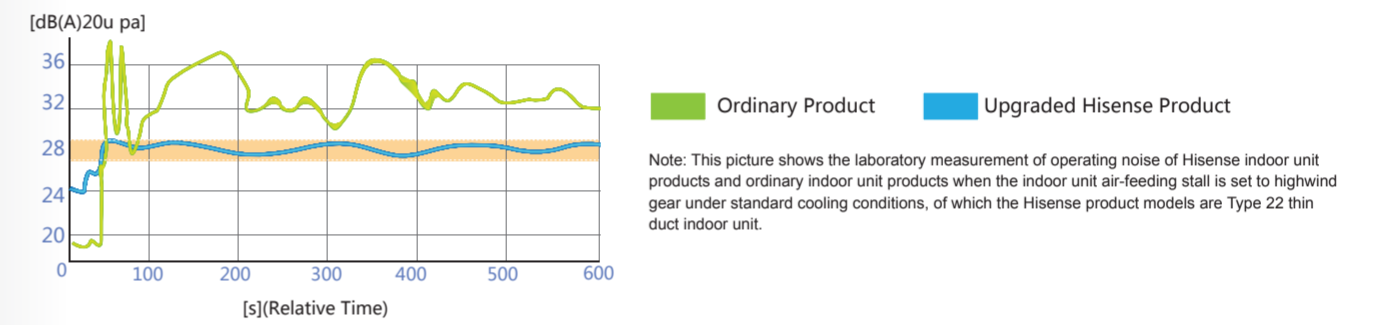


USER-FRIENDLY EXPERIENCE

In order to enhance user experience and pursue harmonious coexistence between human and ambient environment, Hisense Hi-FLEXi S series focus on improving the quality of the environment and handling and controlling air temperature, humidity, speed and cleanliness, and care users' healthy life of users, to create a comfortable and convenient life.

WHAT IS HIGH QUALITY MUTE?

Low decibel does not mean the true tranquility. More importantly, the control of sound quality matters. Hisense joins hand with Danish B & K and Belgium LMS Vibration Testing System to create a high standard anechoic lab(that is, echo-free anechoic chamber), strictly controlling and processing the sound, reducing various irritable high-frequency, broadband, and abnormal sound, to create a more quiet environment.



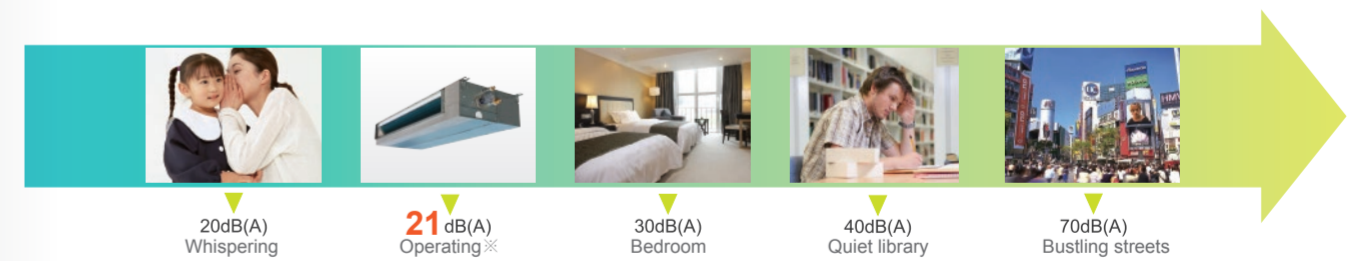
15 Mute Technologies Offer You Quiet and Comfort

- Advanced Mute Design, Ideal Mute Environment

At present, more and more people begin to pay attention to the quality of living environment, which is a part of the high quality life. Hisense central air conditioning concerns about people's physical and mental health, focuses on creating the most comfortable environment, and attentively creates a harmonious and healthy atmosphere based on the characteristics of business space.

- Noise Control of Indoor Unit

Based on the application occasions of the indoor unit and its structural characteristics, R&D Personnel of Hisense do research on technical means and installation methods to reduce the noise in several aspects, such as electric fan motor, fan blades and duct layout, ensuring that users enjoy a quiet and comfortable air-conditioned environment



Note: The number is measured at low-speed operation in the non-echo muffler room.

– 15 Mute Technologies Offer You Quiet and Comfort

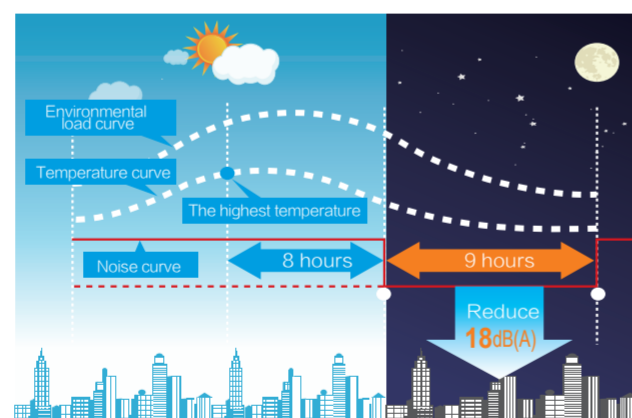
Based on the various occasions of indoor unit and its structural characteristics, R&D Personnel of Hisense frequency conversion central air-conditioning do research on technical means and installation methods to reduce the noise in several aspects, such as electric fan motor, fan blades and duct layout ensuring that users enjoy a quiet and comfortable air-conditioned environment



- New energy efficient & low noise DC inverter compressor
- DC inverter electric fan motor
- Motor supporting frame shock absorption design
- Exhaust pipe mute design
- New compressor sound insulation processing
- New air guide structure
- New high efficiency axial fan
- Refrigerant flow mute technology
- Capacity priority mode
- Night mute function
- Compressor injection circuit mute design
- Integrated CIB module, low electromagnetic noise design
- 3D simulation of pipeline shock absorption design
- Outer shell shock absorption design
- New air grille

– Automatic Mute Mode

The outdoor unit, with automatic night mute setting function and mandatory mute function, has 9 mute modes to be chosen. When the outdoor unit is set to night mute mode, the unit will operate silently according to the outdoor ambient temperature, so that the minimum noise of the operation of the outdoor unit at night is only 42 dB(A), reduced by 18 dB(A) compared with daytime. (Taking product model 10HP as an example)



– Electronic Fan Motor Mute Processing

The flexible damping enclosed motor ensures more effective noise insulation. Cast aluminum is adopted as manufacturing material for the electronic fan motor, so that lower noise will be made. The motor bracket adopts non-resonant hanger structure to ensure the stable performance of the motor and reduce the vibration noise.

– The New High Efficiency Axial Fan

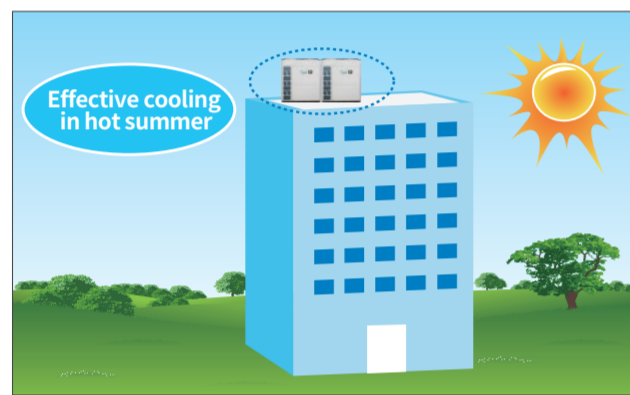
The new high efficiency axial fan can reduce turbulence around the fan by up to 60% with even lower running sound; The use of noise reduction mica composite material with good sound-absorbing effect can significantly reduce the "buzzing".



Intelligent Unit Operation and Control

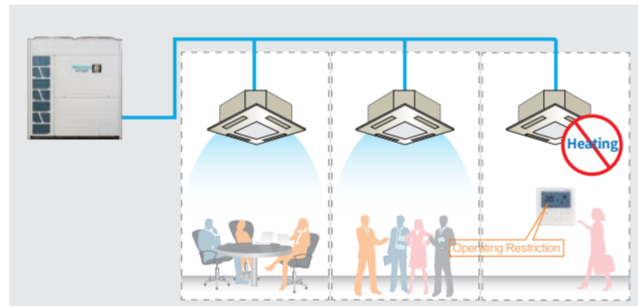
– Operating Mode Control

The cooling and heating control mode of the controller can be preset to avoid user's complaints or discontent because the conditioner is set differently in different rooms during transitional seasons. Once set, the unit will operate only when the preset mode is selected.



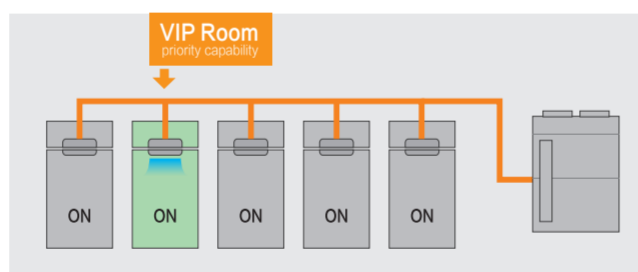
– “Preconceived” Control

When the system is in operation, if modes conflict happens on one indoor unit, "Operation Restriction" will be displayed on that indoor unit to remind the user while the rest of the units will operate without stopping or alarming.



– Special Vip Mode Comfortable Private Custom

In the system, the "VIP priority mode" can be set for important air-conditioned rooms. When the system output is limited, the VIP rooms will take the priority to be served.



– Intelligent Self-cleaning Function of Outdoor Unit, Removing Dust Automatically

When the outdoor unit is in initial operation, the fan motor runs in the reverse direction and automatically removes the dust on the heat exchanger achieving intelligent self-cleaning.

– Automatic Addressing

The system automatically allocates the address to the indoor units, which is suitable for the large system with multiple indoor units, without manual dialing.

– Fire Control Function

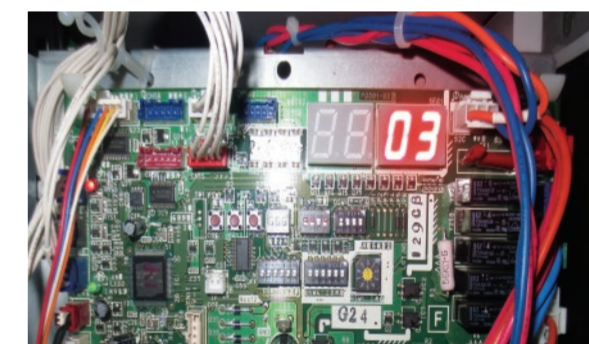
The Indoor unit function interface can be linked with the building's fire protection system. When a fire alarm beeps, the system will automatically shut down to ensure safety.

– Access Control

The function setting of room card and access control can achieve the linkage control for hotel room management or smart home system, that is, when the card inserted, the air conditioner starts to work and executes the memorized mode, which can avoid waste of operation.

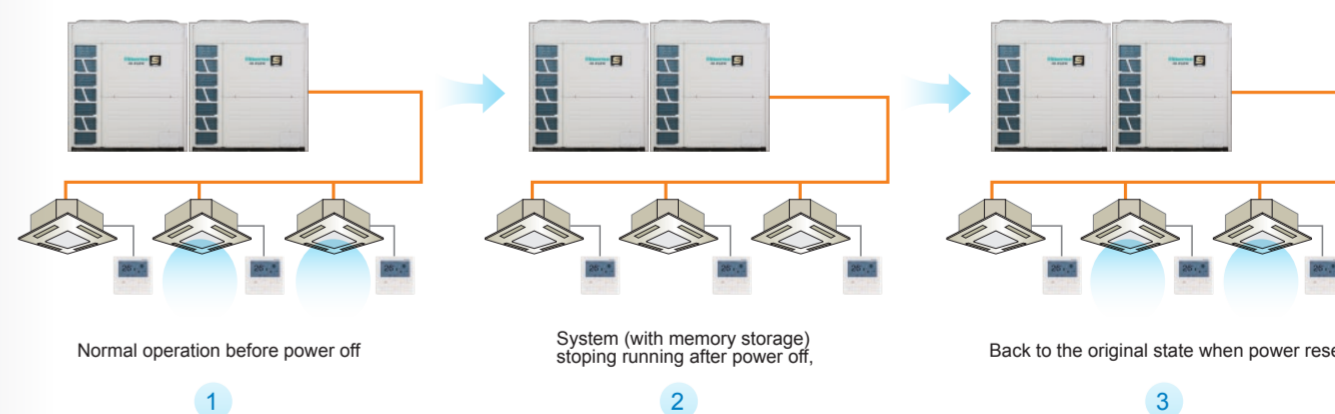
– Fault Parameters Display

The system automatically stores and displays the parameters of different channels. By adjusting the main control panel keys of the outdoor unit's, four 7-segment high-brightness digital display tubes can show the real-time fault parameters, which is convenient for after-sales service and maintenance.



– Automatically Restart with Power Resetting

The system will automatically save the setting memory when the power off occurs for a long time. The system will restart automatically when the power is reset (or set to manual start). The setting before the power failure will not be canceled and will continue to take effect without resetting the procedures, which is more intelligent and considerate.



New Energy-saving Operation Mode, Intelligent Power-saving Control

Due to the imbalanced demand for power supply, there will be power shortage in summer, and some cities will introduce the corresponding power rationing measures. Hisense Hi-FLEXi S series unit can automatically identify the running mode of the whole unit to provide three kinds of energy-saving modes in response to the electricity restriction because of the power shortage. Meanwhile, the new designed standby power-saving mode can automatically cut off the power supply of the inverter board, entering the power-saving mode with zero power consumption when the inverter stands by, therefore, reduce unit power consumption effectively.



The unit can be set to automatic energy-saving operation mode to reduce the power consumption, through which the maximum of 15% energy can be saved.



The unit has self-controlled power-saving mode. By limiting the operating frequency and operating current, the unit can save power respectively by 20%, 30%, 40%, and 60%.



The unit has the wave band energy-saving mode. The design of limiting power output during certain time phases can reasonably balance comfort and energy saving and save energy up to 20%.

Concerning About Environmental Protection, Creating A Low-carbon Living Space



Environment-friendly Refrigerant

Hi-FLEXi S series products use the efficient and reliable R410A green refrigerant which is non-toxic to humans and will not damage the Earth's ozone layer to create a comfortable and fresh living environment for you.

– Actively Responding to The Rohs Directive

RoHS is short for Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment. The directive bans the use of the following six hazardous substances in electrical and electronic equipment including lead, mercury, cadmium, hexavalent chromium, polybrominated diphenyl ethers (PBDE), and PBB. Actively responding to the European RoHS Directive, Hisense has implemented a series of procedures and measures to control hazardous substances. The directive is intended to protect human health and ensure the recycling and the processing of waste electrical and electronic equipment to meet environmental requirements.



Substances	RoHS limits	Typical Testing Meethods
Lead	1000ppm	Wet chemical treatment or X-ray fluorescence
Cadmium	100ppm	Wet chemical treatment or X-ray fluorescence
hexavalent Chromium	1000ppm	Wet chemical treatment or X-ray fluorescence
Mercury	1000ppm	Wet chemical treatment or X-ray fluorescence
PBB/PBDE	1000ppm	GCMS, FTTR, or X-ray fluorescence

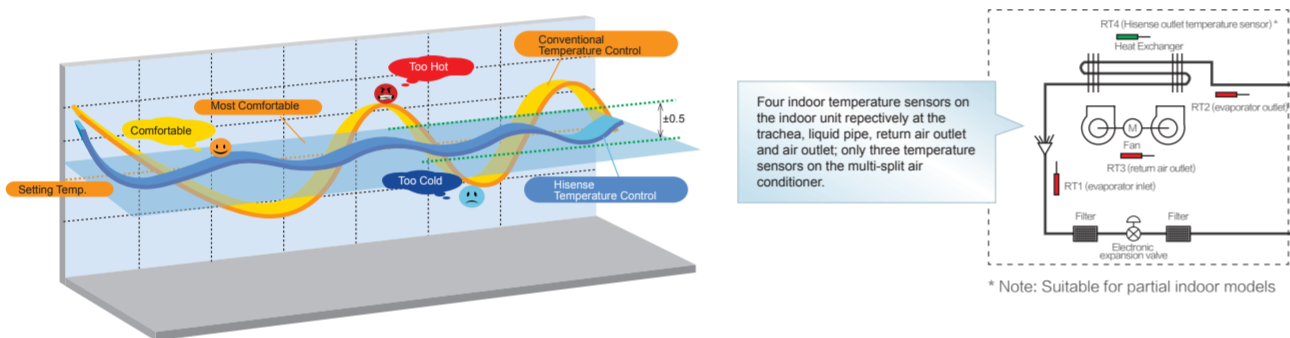


Smart Controller, Simple Human-computer Interaction

Hisense's diversified controllers are smart and exquisite with convenient and flexible practices. It allows users to choose according to their needs and brings the new feeling of comfort and intelligence.

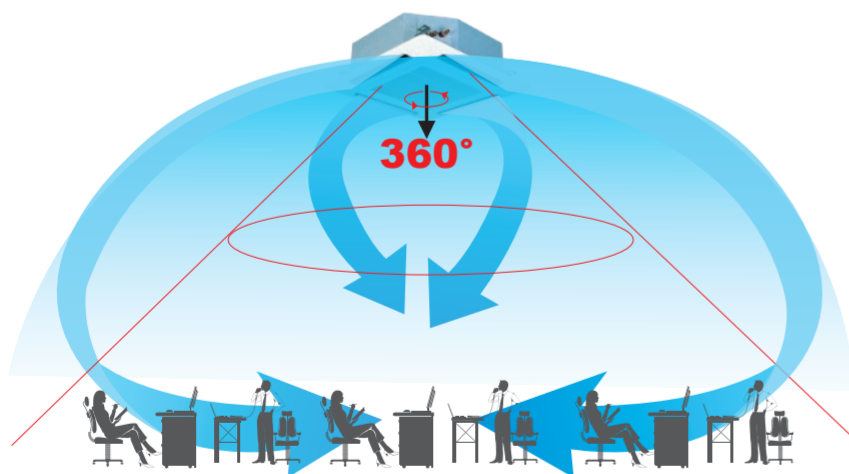
- Outlet Temperature Sensor, Three-dimensional Temperature Sensing Design, Precise Temperature Control

Traditional multi-split air conditioner controls the room temperature according to the indoor return air temperature. HI-FLEXI S series adds a wired remote control temperature sensor and air temperature sensor *. The air temperature sensor, return air temperature sensor and the temperature controller sensor will successfully calculate the indoor temperature and make the temperature sensors closer to the indoor temperature.



- Surrounding Air Supplying, Uniform Temperature

Hisense embedded indoor unit offering surrounding wind, through the 360-degree all-directional air supply and the adjustment of the position of the leaves, allows air supplying to all corners of the indoor space. A full range of ambient air leaves no dead angle of the space and offers uniform indoor temperature, which ensures the ultimate comfort!



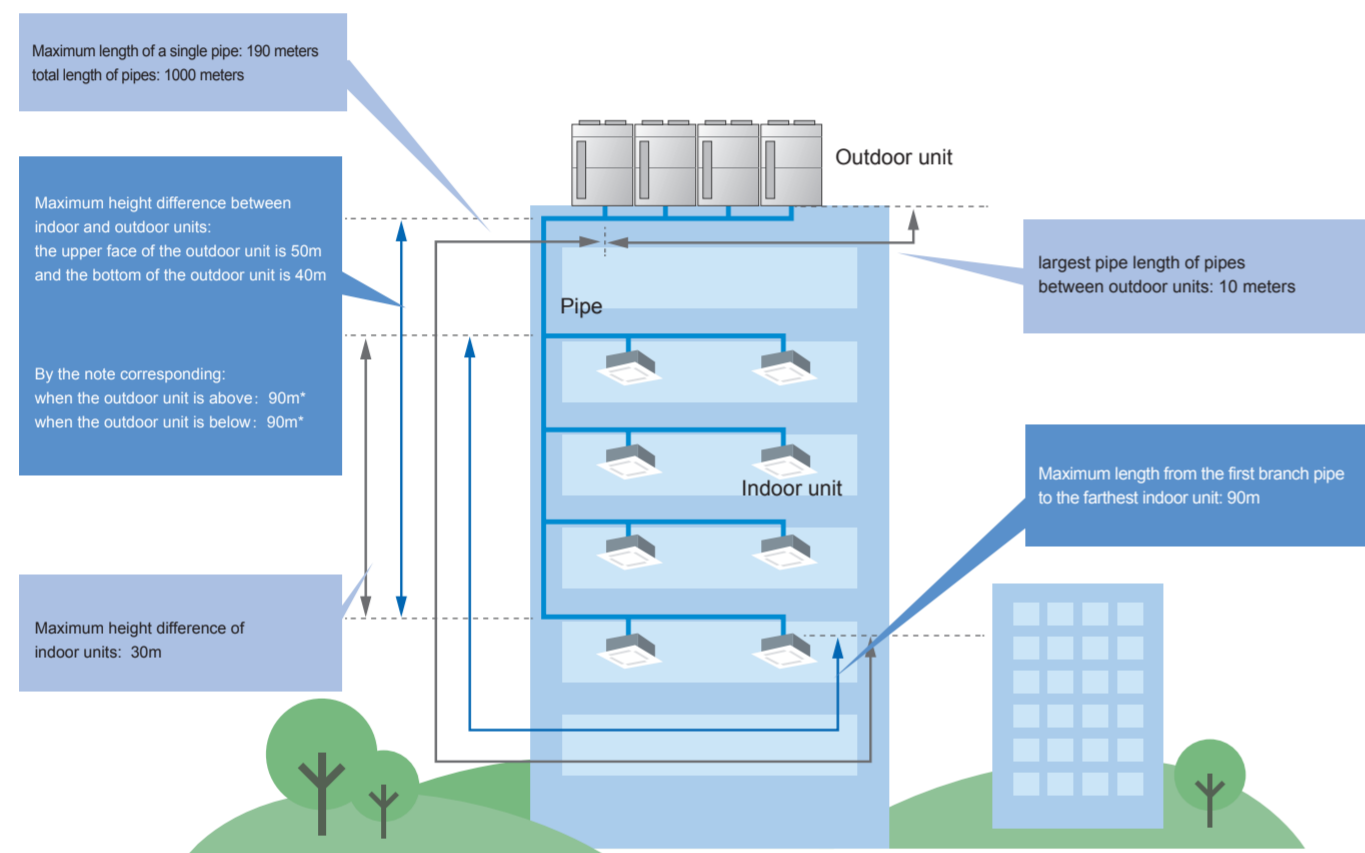
PRODUCT DESIGN AND INSATALLATION OF HIGH FLEXIBILITY

Fully considering the real environment in engineering applications, Hisense HI-FLEXI S series focuses on every detail of the product, and through upgrading technology and innovation, greatly improves the flexibility of product installation. Safe and convenient, the product can meet users' all-round needs.



Extra Long Pipe Making The Height Difference Between Indoor and Outdoor Units up to 90 Meters *

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



*By the note corresponding: for detailed information, please consult the technical staff.

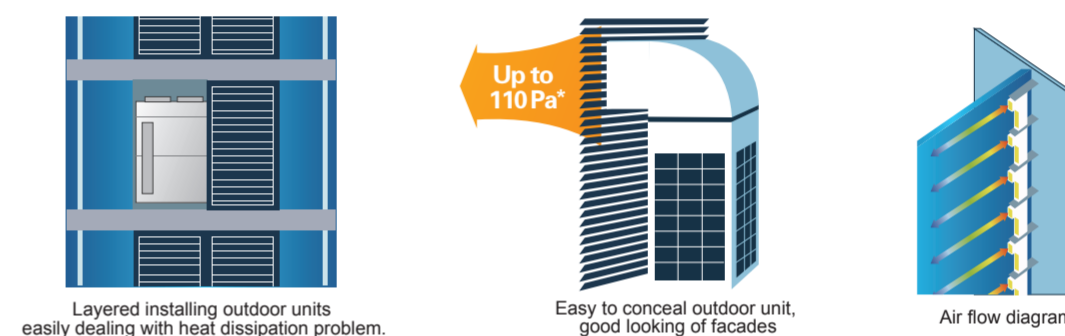
Light Weight Making Transportation and Installation Easier

The largest size of module 28HP is only 1600mm × 750mm × 1780mm (width × depth × height), which can be delivered through freight elevator, making transportation and installation easier.



Fan Static Pressure Adaptive Technology Making Installation Space More Flexible

With static pressure adaptive technology, the fan of the outdoor unit can be adjusted in free static pressure based on system pressure to meet a variety of needs in different environments. The maximum external static pressure of the outdoor unit can be up to 110Pa *, which provides better conditions for the layered installation and centralized installation. Higher static pressure and farther distance of air supply of the outdoor unit ensure the smooth flow of air and solve cooling problems of the outdoor unit effectively. With higher external static pressure, the outdoor unit is able to cope with the harsh outdoor environment easily and to be placed flexibly, which can help to conceal the outdoor unit.



*Note: By the note corresponding, external static pressure of the outdoor unit can be up to 110Pa. For detailed information, please contact Hisense's technical staff.

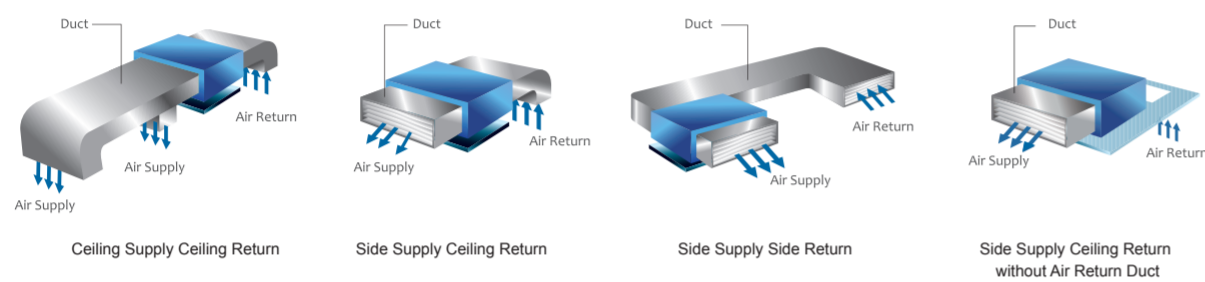
Diverse Models and Super Multi-link to Cope With The Space Layout Easily

The outdoor unit is rich in capacity which can be chosen based on the actual situation of the building. The indoor unit currently has 12 models with more than 100 specifications to be chosen from, and the largest model is type 280. On basis of the floor location of owners, interior decoration and use of the room, the outdoor unit can match freely with different indoor unit. An outdoor unit of 48HP can connect up to 64 indoor units to meet the needs of different house types.



A Variety of Air Return Modes to Fit Different Decoration Design of the Room

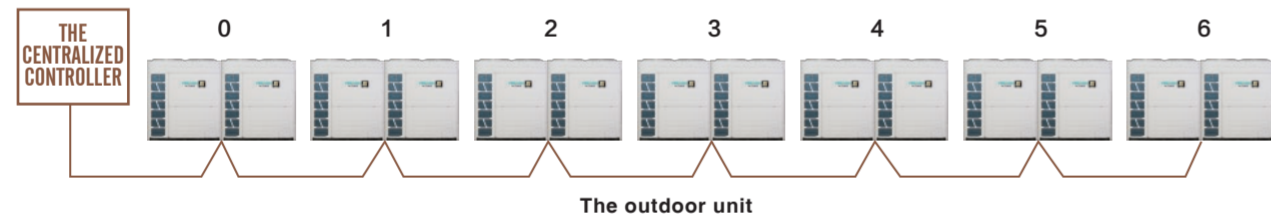
According to different construction structures and interior decoration of buildings, users can choose different ducts by themselves or be recommended by designers, so that, on the one hand, to fit the interior decoration, and, on the other hand, to mostly meet the different needs of customers according to different air supply modes.



Note: Side Supply Bottom Return will increase the noise level by 5-10 dB. It is not recommend to use in the environment which has high level requirement of noise.

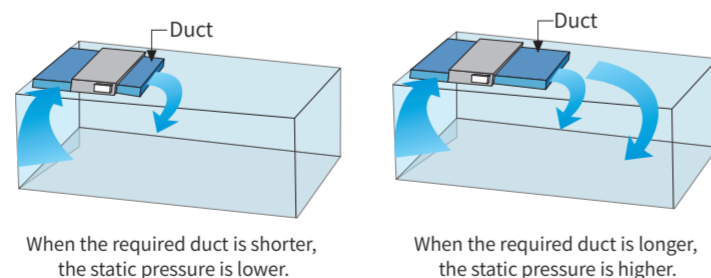
Simple and Convenient Wiring System

When using a variety of centralized controllers, only one communication line can connect all the air conditioners. This "one-line" connection is convenient for construction and material-saving. The non-polar twisted pair lines are used in non-polar twisted pair communication lines to avoid the wiring error of positive and negative.



Multi-grade Static Pressure Adjustable for Indoor Unit

The indoor unit can automatically adjust the static pressure according to the house structure and the installation condition to ensure that it works in the most suitable exhaust state.



When the required duct is shorter, the static pressure is lower.

When the required duct is longer, the static pressure is higher.

Refrigerant Automatic Judging and Automatic Charging

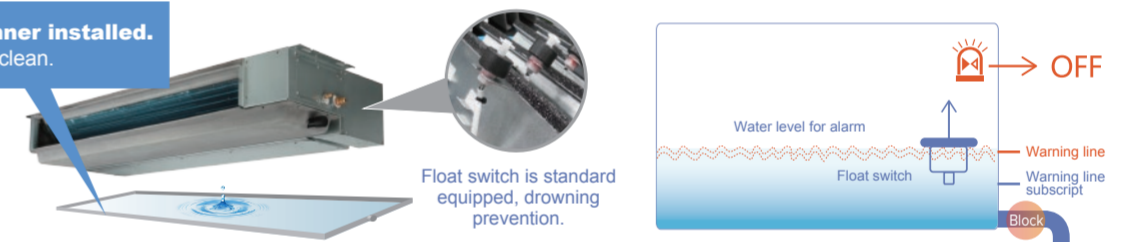
By judging the temperature of the outdoor environment where system is in trial operation, the air supply temperature and air return temperature of the indoor unit, the undercooling degree of the system, and the high pressure and the low pressure of system operation, the refrigerant filling state of the outdoor unit is accurately and effectively determined, so that the repair and maintenance become more convenient.



Float Switch Design, Ensure Decoration Safety

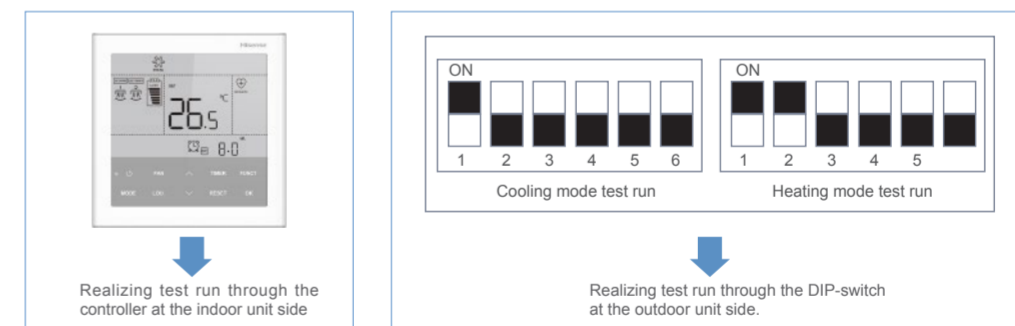
The new float switch can monitor the water level of the water pan in the indoor unit at any time. When the problems like impeded drainage, pump failure, insufficient slope and air block happen, the new float switch can quickly and automatically issue warning sign and stop the machine. As a result, the home life is more secure and the system is more reliable.

The drain tray is inner installed. No duct, beautiful and clean.



Advanced Commissioning Technology

There is a one-key commissioning on one side of either the outdoor unit or the indoor unit to facilitate on-site commissioning adjustment and enhance the construction quality of the project site.



- Automatically detect whether the main powers of the indoor and outdoor units in reverse phase or phase loss.
- Automatically detect the abnormal communication between the outdoor unit board and the inverter motherboard.
- Automatically detect and confirm the wrong wiring of the indoor and outdoor units.
- Automatically identify the length of pipes, correct and optimize the operation based on the length of pipes.
- Automatically detect and confirm the operation status of the parts inside the air conditioning units such as compressors, fan motors, electronic expansion valves, four-way valves, solenoid valves, etc. to ensure that they are all in normal operation.

Outdoor Unit Specifications



HP	8HP	10HP	12HP	14HP	16HP	18HP		
Model	AVWT-76HKSS	AVWT-96HKSS	AVWT-114HKSS	AVWT-136HKSS	AVWT-154HKSS	AVWT-170HKSS		
Combination	—	—	—	—	—	—		
Power Supply	380-415V 3N~ 50Hz / 60Hz							
Cooling Operation*1	Rated Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0
	Power Consumption	kW	5.21	7.00	8.65	10.53	12.50	15.63
	EER	W/W	4.30	4.00	3.87	3.80	3.60	3.20
Heating Operation*1	Rated Capacity	kW	25.0	31.5	37.5	45.0	50.0	56.0
	Power Consumption	kW	5.77	7.59	9.21	11.72	13.70	16.97
	COP	W/W	4.33	4.15	4.07	3.84	3.65	3.30
Air Flow Rate	m³/min	183	183	183	200	200	200	
Noise level*2	dB(A)	59	60	62	62	62	62	
Cabinet Color*3	Grayish White							
Compressor TECH.	Enhanced Vapor Injection Compressor							
Refrigerant Type	R410A							
Gas Line	mm	Φ19.05	Φ22.20	Φ25.40	Φ25.40	Φ28.60	Φ28.60	
Liquid Line	mm	Φ9.53	Φ9.53	Φ12.70	Φ12.70	Φ12.70	Φ15.88	
Out Dimension	H	mm	1730	1730	1730	1730	1730	
	W	mm	950	950	950	1210	1210	
	D	mm	750	750	750	750	750	
	H	mm	1930	1930	1930	1930	1930	
Packing Dimension	H	mm	1930	1930	1930	1930	1930	
	W	mm	1015	1015	1015	1275	1275	
	D	mm	790	790	790	790	790	
	D	mm	790	790	790	790	790	
Max.number of connectable IDU		13	16	19	23	26	29	
Max. Fuse Current	A	25	32	32	40	40	50	
Max. Running Current	A	17.2	22.5	23.5	28.6	33	38.6	
Net Weight	kg	224	225	245	297	298	347	
Gross Weight	kg	243	244	265	321	322	371	
Connection Ratio	50% - 150%							
Compressor Quantity	PC	1	1	1	1	1	2	
Condenser Fan Quantity	PC	1	1	1	2	2	2	
Height Difference Between ODU's and IDU's	ODU's is Higher Than IDU's	m	50 (90°4)					
	ODU's is Lower Than IDU's	m	40 (90°4)					
Height Difference Between IDU's	m	30						
Operation Range	Cooling	DB	-5 C ~ 52 C *5					
	Heating	WB	-25 C *5 ~ 16.5 C					
Max. Total Piping Length	m	1000						

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.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



HP	20HP	22HP	24HP	26HP	28HP		
Model	AVWT-190HKSS	AVWT-212HKSS	AVWT-232HKSS	AVWT-250HKSS	AVWT-272HKSS		
Combination	—	—	—	—	—		
Power Supply	380-415V 3N~ 50Hz / 60Hz						
Cooling Operation*1	Rated Capacity	kW	56.0	61.5	68.0	72.5	80.0
	Power Consumption	kW	17.90	20.50	22.82	24.58	27.59
	EER	W/W	3.13	3.00	2.98	2.95	2.90
Heating Operation*1	Rated Capacity	kW	63.0	69.0	75.0	80.0	90.0
	Power Consumption	kW	19.87	22.48	24.59	26.67	30.41
	COP	W/W	3.17	3.07	3.05	3.00	2.96
Air Flow Rate	m³/min	267	296	296	350	350	
Noise level*2	dB(A)	63	64	66	67	67	
Cabinet Color*3	Grayish White						
Compressor TECH.	Enhanced Vapor Injection Compressor						
Refrigerant Type	R410A						
Gas Line	mm	Φ28.60	Φ28.60	Φ28.60	Φ31.75	Φ31.75	
Liquid Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ19.05	
Out Dimension	H	mm	1730	1730	1730	1730	
	W	mm	1350	1350	1350	1600	
	D	mm	750	750	750	750	
	H	mm	1930	1930	1930	1930	
Packing Dimension	H	mm	1930	1930	1930	1930	
	W	mm	1420	1420	1420	1665	
	D	mm	790	790	790	790	
	D	mm	790	790	790	790	
Max.number of connectable IDU		33	36	40	43	47	
Max. Fuse Current	A	63	63	63	80	80	
Max. Running Current	A	44.5	49.8	52.4	56.9	58.2	
Net Weight	kg	361	369	370	414	415	
Gross Weight	kg	395	396	397	446	447	
Connection Ratio	50% - 150%						
Compressor Quantity	PC	2	2	2	2	2	
Condenser Fan Quantity	PC	2	2	2	2	2	
Height Difference Between ODU's and IDU's	ODU's is Higher Than IDU's	m	50 (90°4)				
	ODU's is Lower Than IDU's	m	40 (90°4)				
Height Difference Between IDU's	m	30					
Operation Range	Cooling	DB	-5 C ~ 52 C *5				
	Heating	WB	-25 C *5 ~ 16.5 C				
Max. Total Piping Length	m	1000					

Outdoor Unit Specifications



HP			30HP	32HP	34HP	36HP	38HP
Model			AVWT-290HKSS	AVWT-308HKSS	AVWT-324HKSS	AVWT-344HKSS	AVWT-360HKSS
Combination			AVWT-154HKSS AVWT-136HKSS	AVWT-154HKSS AVWT-154HKSS	AVWT-170HKSS AVWT-154HKSS	AVWT-190HKSS AVWT-154HKSS	AVWT-190HKSS AVWT-170HKSS
Power Supply			380-415V 3N~ 50Hz / 60Hz				
Cooling Operation*1	Rated Capacity	kW	85.0	90.0	95.0	101.0	106.0
	Power Consumption	kW	23.03	25.00	27.21	30.40	32.61
	EER	W/W	3.69	3.60	3.49	3.32	3.25
Heating Operation*1	Rated Capacity	kW	95.0	100.0	106.0	113.0	119.0
	Power Consumption	kW	27.01	30.58	31.52	35.16	36.1
	COP	W/W	3.52	3.27	3.36	3.21	3.30
Air Flow Rate	m³/min	400	400	400	467	467	
Noise level*2	dB(A)	67	67	67	67	67	
Cabinet Color*3	Grayish White						
Compressor TECH.	Enhanced Vapor Injection Compressor						
Refrigerant Type	R410A						
Gas Line	mm	Φ31.75	Φ31.75	Φ38.1	Φ38.1	Φ38.1	
Liquid Line	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	
Out Dimension	H	mm	1730	1730	1730	1730	
	W	mm	1210+1210	1210+1210	1210+1210	1210+1350	1210+1350
	D	mm	750	750	750	750	750
Packing Dimension	H	mm	1930	1930	1930	1930	1930
	W	mm	1275+1275	1275+1275	1275+1275	1275+1420	1275+1420
	D	mm	790	790	790	790	790
Max.number of connectable IDU		49	52	55	59	62	
Max. Fuse Current	A	80	80	100	100	100	
Max. Running Current	A	61.6	66	71.6	77.5	83.1	
Net Weight	kg	595	596	645	659	708	
Gross Weight	kg	643	644	693	717	766	
Connection Ratio	50% - 150%						
Compressor Quantity	PC	2	2	3	3	4	
Condenser Fan Quantity	PC	4	4	4	4	4	
Height Difference Between ODU and IDUs	ODUs is Higher Than IDUs	m	50 (90°4)				
	ODUs is Lower Than IDUs	m	40 (90°4)				
Height Difference Between IDUs	m	30					
Operation Range	Cooling	DB	-5 C ~ 52 C *5				
	Heating	WB	-25 C *5 ~ 16.5 C				
Max. Total Piping Length	m	1000					

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.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



HP			40HP	42HP	44HP	46HP	48HP
Model			AVWT-380HKSS	AVWT-402HKSS	AVWT-422HKSS	AVWT-444HKSS	AVWT-464HKSS
Combination			AVWT-190HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-170HKSS	AVWT-232HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-212HKSS	AVWT-232HKSS AVWT-232HKSS
Power Supply			380-415V 3N~ 50Hz / 60Hz				
Cooling Operation*1	Rated Capacity	kW	112.0	118.0	124.0	129.5	136.0
	Power Consumption	kW	35.80	37.38	40.57	43.17	45.34
	EER	W/W	3.13	3.16	3.06	3.00	3.00
Heating Operation*1	Rated Capacity	kW	126.0	131.0	138.0	144.0	150.0
	Power Consumption	kW	39.74	39.31	42.95	45.56	46.16
	COP	W/W	3.17	3.33	3.21	3.16	3.25
Air Flow Rate	m³/min	534	496	563	592	592	
Noise level*2	dB(A)	67	67	68	68	69	
Cabinet Color*3	Grayish White						
Compressor TECH.	Enhanced Vapor Injection Compressor						
Refrigerant Type	R410A						
Gas Line	mm	Φ38.1	Φ38.1	Φ38.1	Φ41.3	Φ41.3	
Liquid Line	mm	Φ19.05	Φ19.05	Φ19.05	Φ22.2	Φ22.2	
Out Dimension	H	mm	1730	1730	1730	1730	
	W	mm	1350+1350	1210+1350	1350+1350	1350+1350	1350+1350
	D	mm	750	750	750	750	750
Packing Dimension	H	mm	1930	1930	1930	1930	1930
	W	mm	1420+1420	1275+1420	1420+1420	1420+1420	1420+1420
	D	mm	790	790	790	790	790
Max.number of connectable IDU		64	64	64	64	64	
Max. Fuse Current	A	125	125	125	125	125	
Max. Running Current	A	89	91	96.9	102.2	104.8	
Net Weight	kg	722	717	731	739	740	
Gross Weight	kg	790	768	792	793	794	
Connection Ratio	50% - 150%						
Compressor Quantity	PC	4	4	4	4	4	
Condenser Fan Quantity	PC	4	4	4	4	4	
Height Difference Between ODU and IDUs	ODUs is Higher Than IDUs	m	50 (90°4)				
	ODUs is Lower Than IDUs	m	40 (90°4)				
Height Difference Between IDUs	m	30					
Operation Range	Cooling	DB	-5 C ~ 52 C *5				
	Heating	WB	-25 C *5 ~ 16.5 C				
Max. Total Piping Length	m	1000					

Outdoor Unit Specifications



HP	50HP	52HP	54HP	56HP		
Model	AVWT-482HKSS	AVWT-504HKSS	AVWT-522HKSS	AVWT-544HKSS		
Combination	AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-250HKSS	AVWT-272HKSS AVWT-272HKSS		
Power Supply	380-415V 3N~ 50Hz / 60Hz					
Cooling Operation*1	Rated Capacity	kW	140.5	148.0	152.5	160.0
	Power Consumption	kW	47.25	50.26	52.17	55.18
	EER	W/W	2.97	2.94	2.92	2.90
Heating Operation*1	Rated Capacity	kW	155.0	165.0	170.0	180.0
	Power Consumption	kW	49.75	53.49	57.08	60.82
	COP	W/W	3.12	3.08	2.98	2.96
Air Flow Rate	m³/min	646	646	700	700	
Noise level*2	dB(A)	70	70	70	70	
Cabinet Color*3	Grayish White					
Compressor TECH.	Enhanced Vapor Injection Compressor					
Refrigerant Type	R410A					
Gas Line	mm	Φ41.3	Φ41.3	Φ41.3	Φ41.3	
Liquid Line	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	
Out Dimension	H	mm	1730	1730	1730	1730
	W	mm	1350+1600	1350+1600	1600+1600	1600+1600
	D	mm	750	750	750	750
Packing Dimension	H	mm	1930	1930	1930	1930
	W	mm	1420+1665	1420+1665	1665+1665	1665+1665
	D	mm	790	790	790	790
Max.number of connectable IDU		64	64	64	64	
Max. Fuse Current	A	160	160	160	160	
Max. Running Current	A	109.3	110.6	115.1	116.4	
Net Weight	kg	784	785	829	830	
Gross Weight	kg	843	844	893	894	
Connection Ratio		50% - 150%				
Compressor Quantity	PC	4	4	4	4	
Condenser Fan Quantity	PC	4	4	4	4	
Height Difference Between ODU's and IDU's	ODU's is Higher Than IDU's	m	50 (90*4)			
	ODU's is Lower Than IDU's	m	40 (90*4)			
Height Difference Between IDU's	m	30				
Operation Range	Cooling	DB	-5 C ~ 52 C *5			
	Heating	WB	-25 C *5 ~ 16.5 C			
Max. Total Piping Length	m	1000				

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.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



HP	58HP	60HP	62HP	64HP		
Model	AVWT-552HKSS	AVWT-570HKSS	AVWT-592HKSS	AVWT-612HKSS		
Combination	AVWT-212HKSS AVWT-170HKSS AVWT-170HKSS	AVWT-190HKSS AVWT-190HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-190HKSS AVWT-170HKSS	AVWT-232HKSS AVWT-190HKSS AVWT-190HKSS		
Power Supply	380-415V 3N~ 50Hz / 60Hz					
Cooling Operation*1	Rated Capacity	kW	161.5	168.0	174.0	180.0
	Power Consumption	kW	49.92	53.70	55.28	58.47
	EER	W/W	3.24	3.13	3.15	3.08
Heating Operation*1	Rated Capacity	kW	181.0	189.0	194.0	201.0
	Power Consumption	kW	54.94	59.61	59.18	62.82
	COP	W/W	3.29	3.17	3.28	3.20
Air Flow Rate	m³/min	696	801	763	830	
Noise level*2	dB(A)	70	70	70	70	
Cabinet Color*3	Grayish White					
Compressor TECH.	Enhanced Vapor Injection Compressor					
Refrigerant Type	R410A					
Gas Line	mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5	
Liquid Line	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	
Out Dimension	H	mm	1730	1730	1730	1730
	W	mm	1210+1210+1350	1350+1350+1350	1210+1350+1350	1350+1350+1350
	D	mm	750	750	750	750
Packing Dimension	H	mm	1930	1930	1930	1930
	W	mm	1275+1275+1420	1420+1420+1420	1275+1420+1420	1420+1420+1420
	D	mm	790	790	790	790
Max.number of connectable IDU		64	64	64	64	
Max. Fuse Current	A	160	160	160	200	
Max. Running Current	A	127	133.5	135.5	141.4	
Net Weight	kg	1063	1083	1078	1092	
Gross Weight	kg	1138	1185	1163	1187	
Connection Ratio		50% - 150%				
Compressor Quantity	PC	6	6	6	6	
Condenser Fan Quantity	PC	6	6	6	6	
Height Difference Between ODU's and IDU's	ODU's is Higher Than IDU's	m	50 (90*4)			
	ODU's is Lower Than IDU's	m	40 (90*4)			
Height Difference Between IDU's	m	30				
Operation Range	Cooling	DB	-5 C ~ 52 C *5			
	Heating	WB	-25 C *5 ~ 16.5 C			
Max. Total Piping Length	m	1000				

Outdoor Unit Specifications



HP	66HP	68HP	70HP	72HP		
Model	AVWT-634HKSS	AVWT-654HKSS	AVWT-676HKSS	AVWT-696HKSS		
Combination	AVWT-232HKSS AVWT-212HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-212HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS		
Power Supply	380-415V 3N~ 50Hz / 60Hz					
Cooling Operation*1	Rated Capacity	kW	185.5	192.0	197.5	204.0
	Power Consumption	kW	61.07	63.24	65.84	68.01
	EER	W/W	3.04	3.04	3.00	3.00
Heating Operation*1	Rated Capacity	kW	207.0	213.0	219.0	225.0
	Power Consumption	kW	65.43	66.03	68.64	69.24
	COP	W/W	3.16	3.23	3.19	3.25
Air Flow Rate	m³/min	859	859	888	888	
Noise level*2	dB(A)	70	70	70	71	
Cabinet Color*3	Grayish White					
Compressor TECH.	Enhanced Vapor Injection Compressor					
Refrigerant Type	R410A					
Gas Line	mm	Φ44.5	Φ50.8	Φ50.8	Φ50.8	
Liquid Line	mm	Φ22.2	Φ25.4	Φ25.4	Φ25.4	
Out Dimension	H	mm	1730	1730	1730	1730
	W	mm	1350+1350+1350	1350+1350+1350	1350+1350+1350	1350+1350+1350
	D	mm	750	750	750	750
Packing Dimension	H	mm	1930	1930	1930	1930
	W	mm	1420+1420+1420	1420+1420+1420	1420+1420+1420	1420+1420+1420
	D	mm	790	790	790	790
Max.number of connectable IDU		64	64	64	64	
Max. Fuse Current	A	200	200	200	200	
Max. Running Current	A	146.7	149.3	154.6	157.2	
Net Weight	kg	1100	1101	1109	1110	
Gross Weight	kg	1188	1189	1190	1191	
Connection Ratio		50% - 150%				
Compressor Quantity	PC	6	6	6	6	
Condenser Fan Quantity	PC	6	6	6	6	
Height Difference Between ODU's and IDU's	ODUs is Higher Than IDUs	m	50 (90*4)			
	ODUs is Lower Than IDUs	m	40 (90*4)			
Height Difference Between IDUs	m	30				
Operation Range	Cooling	DB	-5 C ~ 52 C *5			
	Heating	WB	-25 C *5 ~ 16.5 C			
Max. Total Piping Length	m	1000				

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.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



HP	74HP	76HP	78HP	80HP		
Model	AVWT-714HKSS	AVWT-732HKSS	AVWT-754HKSS	AVWT-776HKSS		
Combination	AVWT-250HKSS AVWT-232HKSS AVWT-232HKSS	AVWT-250HKSS AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-232HKSS		
Power Supply	380-415V 3N~ 50Hz / 60Hz					
Cooling Operation*1	Rated Capacity	kW	208.5	213.0	220.5	228.0
	Power Consumption	kW	69.92	71.83	74.84	77.85
	EER	W/W	2.98	2.97	2.95	2.93
Heating Operation*1	Rated Capacity	kW	230.0	235.0	245.0	255.0
	Power Consumption	kW	72.83	76.42	80.16	83.9
	COP	W/W	3.16	3.08	3.06	3.04
Air Flow Rate	m³/min	942	996	996	996	
Noise level*2	dB(A)	71	71	71	71	
Cabinet Color*3	Grayish White					
Compressor TECH.	Enhanced Vapor Injection Compressor					
Refrigerant Type	R410A					
Gas Line	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	
Liquid Line	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	
Out Dimension	H	mm	1730	1730	1730	1730
	W	mm	1350+1350+1600	1350+1600+1600	1350+1600+1600	1350+1600+1600
	D	mm	750	750	750	750
Packing Dimension	H	mm	1930	1930	1930	1930
	W	mm	1420+1420+1665	1420+1665+1665	1420+1665+1665	1420+1665+1665
	D	mm	790	790	790	790
Max.number of connectable IDU		64	64	64	64	
Max. Fuse Current	A	200	200	200	200	
Max. Running Current	A	161.7	166.2	167.5	168.8	
Net Weight	kg	1154	1198	1199	1200	
Gross Weight	kg	1240	1289	1290	1291	
Connection Ratio		50% - 150%				
Compressor Quantity	PC	6	6	6	6	
Condenser Fan Quantity	PC	6	6	6	6	
Height Difference Between ODU's and IDU's	ODUs is Higher Than IDUs	m	50 (90*4)			
	ODUs is Lower Than IDUs	m	40 (90*4)			
Height Difference Between IDUs	m	30				
Operation Range	Cooling	DB	-5 C ~ 52 C *5			
	Heating	WB	-25 C *5 ~ 16.5 C			
Max. Total Piping Length	m	1000				

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تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

Outdoor Unit Specifications



HP	82HP	84HP	86HP	88HP		
Model	AVWT-794HKSS	AVWT-816HKSS	AVWT-824HKSS	AVWT-844HKSS		
Combination	AVWT-272HKSS AVWT-272HKSS AVWT-250HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS	AVWT-232HKSS AVWT-212HKSS AVWT-190HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-190HKSS AVWT-190HKSS		
Power Supply	380-415V 3N~ 50Hz / 60Hz					
Cooling Operation*1	Rated Capacity	kW	232.5	240.0	241.5	248.0
	Power Consumption	kW	79.76	82.77	78.97	81.14
	EER	W/W	2.91	2.90	3.06	3.06
Heating Operation*1	Rated Capacity	kW	260.0	270.0	270.0	276.0
	Power Consumption	kW	87.49	91.23	85.3	85.9
	COP	W/W	2.97	2.96	3.17	3.21
Air Flow Rate	m³/min	1050	1050	1126	1126	
Noise level*2	dB(A)	72	72	72	72	
Cabinet Color*3	Grayish White					
Compressor TECH.	Enhanced Vapor Injection Compressor					
Refrigerant Type	R410A					
Gas Line	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	
Liquid Line	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	
Out Dimension	H	mm	1730	1730	1730	1730
	W	mm	1600+1600+1600	1600+1600+1600	1350+1350+1350+1350	1350+1350+1350+1350
	D	mm	750	750	750	750
Packing Dimension	H	mm	1930	1930	1930	1930
	W	mm	1665+1665+1665	1665+1665+1665	1420+1420+1420+1420	1420+1420+1420+1420
	D	mm	790	790	790	790
Max.number of connectable IDU		64	64	64	64	
Max. Fuse Current	A	250	250	250	250	
Max. Running Current	A	173.3	174.6	191.2	193.8	
Net Weight	kg	1244	1245	1461	1462	
Gross Weight	kg	1340	1341	1583	1584	
Connection Ratio		50% - 150%				
Compressor Quantity	PC	6	6	8	8	
Condenser Fan Quantity	PC	6	6	8	8	
Height Difference Between ODU's and IDU's	ODUs is Higher Than IDUs	m	50 (90 ⁴)			
	ODUs is Lower Than IDUs	m	40 (90 ⁴)			
Height Difference Between IDUs	m	30				
Operation Range	Cooling	DB	-5 C ~ 52 C ⁺⁵			
	Heating	WB	-25 C ⁺⁵ ~ 16.5 C			
Max. Total Piping Length	m	1000				

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.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C-52°C or -25°C~-20°C, please contact our professional engineer.



HP	90HP	92HP	94HP	96HP		
Model	AVWT-866HKSS	AVWT-886HKSS	AVWT-908HKSS	AVWT-928HKSS		
Combination	AVWT-232HKSS AVWT-232HKSS AVWT-212HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS AVWT-212HKSS	AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS		
Power Supply	380-415V 3N~ 50Hz / 60Hz					
Cooling Operation*1	Rated Capacity	kW	253.5	260.0	265.5	272.0
	Power Consumption	kW	83.74	85.91	88.51	90.68
	EER	W/W	3.03	3.03	3.00	3.00
Heating Operation*1	Rated Capacity	kW	282.0	288.0	294.0	300.0
	Power Consumption	kW	88.51	89.11	91.72	92.32
	COP	W/W	3.19	3.23	3.21	3.25
Air Flow Rate	m³/min	1155	1155	1184	1184	
Noise level*2	dB(A)	72	72	72	72	
Cabinet Color*3	Grayish White					
Compressor TECH.	Enhanced Vapor Injection Compressor					
Refrigerant Type	R410A					
Gas Line	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	
Liquid Line	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	
Out Dimension	H	mm	1730	1730	1730	1730
	W	mm	1350+1350+1350+1350	1350+1350+1350+1350	1350+1350+1350+1350	1350+1350+1350+1350
	D	mm	750	750	750	750
Packing Dimension	H	mm	1930	1930	1930	1930
	W	mm	1420+1420+1420+1420	1420+1420+1420+1420	1420+1420+1420+1420	1420+1420+1420+1420
	D	mm	790	790	790	790
Max.number of connectable IDU		64	64	64	64	
Max. Fuse Current	A	250	250	250	320	
Max. Running Current	A	199.1	201.7	207	209.6	
Net Weight	kg	1470	1471	1479	1480	
Gross Weight	kg	1585	1586	1587	1588	
Connection Ratio		50% - 150%				
Compressor Quantity	PC	8	8	8	8	
Condenser Fan Quantity	PC	8	8	8	8	
Height Difference Between ODU's and IDU's	ODUs is Higher Than IDUs	m	50 (90 ⁴)			
	ODUs is Lower Than IDUs	m	40 (90 ⁴)			
Height Difference Between IDUs	m	30				
Operation Range	Cooling	DB	-5 C ~ 52 C ⁺⁵			
	Heating	WB	-25 C ⁺⁵ ~ 16.5 C			
Max. Total Piping Length	m	1000				

Outdoor Unit Specifications



HP	98HP	100HP	102HP	104HP		
Model	AVWT-946HKSS	AVWT-968HKSS	AVWT-988HKSS	AVWT-1008HKSS		
Combination	AVWT-250HKSS AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-232HKSS AVWT-232HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-232HKSS AVWT-212HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-232HKSS AVWT-232HKSS		
Power Supply	380-415V 3N~ 50Hz / 60Hz					
Cooling Operation*1	Rated Capacity	kW	276.5	284.0	289.5	296.0
	Power Consumption	kW	92.59	95.60	98.35	100.52
	EER	W/W	2.99	2.97	2.94	2.94
Heating Operation*1	Rated Capacity	kW	305.0	315.0	324.0	330.0
	Power Consumption	kW	95.91	99.65	106.38	106.98
	COP	W/W	3.18	3.16	3.05	3.08
Air Flow Rate	m³/min	1238	1238	1292	1292	
Noise level*2	dB(A)	72	72	72	73	
Cabinet Color*3	Grayish White					
Compressor TECH.	Enhanced Vapor Injection Compressor					
Refrigerant Type	R410A					
Gas Line	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	
Liquid Line	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	
Out Dimension	H	mm	1730	1730	1730	1730
	W	mm	1350+1350+1350+1600	1350+1350+1350+1600	1350+1350+1600+1600	1350+1350+1600+1600
	D	mm	750	750	750	750
Packing Dimension	H	mm	1930	1930	1930	1930
	W	mm	1420+1420+1420+1665	1420+1420+1420+1665	1420+1420+1665+1665	1420+1420+1665+1665
	D	mm	790	790	790	790
Max.number of connectable IDU		64	64	64	64	
Max. Fuse Current	A	320	320	320	320	
Max. Running Current	A	214.1	215.4	218.6	221.2	
Net Weight	kg	1524	1525	1569	1570	
Gross Weight	kg	1637	1638	1687	1688	
Connection Ratio		50% - 150%				
Compressor Quantity	PC	8	8	8	8	
Condenser Fan Quantity	PC	8	8	8	8	
Height Difference Between ODU's and IDU's	ODUs is Higher Than IDUs	m	50 (90°4)			
	ODUs is Lower Than IDUs	m	40 (90°4)			
Height Difference Between IDUs	m	30				
Operation Range	Cooling	DB	-5 C ~ 52 C *5			
	Heating	WB	-25 C *5 ~ 16.5 C			
Max. Total Piping Length	m	1000				

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.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



HP	106HP	108HP	110HP	112HP		
Model	AVWT-1026HKSS	AVWT-1048HKSS	AVWT-1066HKSS	AVWT-1088HKSS		
Combination	AVWT-272HKSS AVWT-272HKSS AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS AVWT-250HKSS	AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS AVWT-272HKSS		
Power Supply	380-415V 3N~ 50Hz / 60Hz					
Cooling Operation*1	Rated Capacity	kW	300.5	308.0	312.5	320.0
	Power Consumption	kW	102.43	105.44	107.35	110.36
	EER	W/W	2.93	2.92	2.91	2.90
Heating Operation*1	Rated Capacity	kW	335.0	345.0	350.0	360.0
	Power Consumption	kW	110.57	114.31	117.9	121.64
	COP	W/W	3.03	3.02	2.97	2.96
Air Flow Rate	m³/min	1346	1346	1400	1400	
Noise level*2	dB(A)	73	73	73	73	
Cabinet Color*3	Grayish White					
Compressor TECH.	Enhanced Vapor Injection Compressor					
Refrigerant Type	R410A					
Gas Line	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	
Liquid Line	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	
Out Dimension	H	mm	1730	1730	1730	1730
	W	mm	1350+1600+1600+1600	1350+1600+1600+1600	1600+1600+1600+1600	1600+1600+1600+1600
	D	mm	750	750	750	750
Packing Dimension	H	mm	1930	1930	1930	1930
	W	mm	1420+1665+1665+1665	1420+1665+1665+1665	1665+1665+1665+1665	1665+1665+1665+1665
	D	mm	790	790	790	790
Max.number of connectable IDU		64	64	64	64	
Max. Fuse Current	A	320	320	320	320	
Max. Running Current	A	225.7	227	231.5	232.8	
Net Weight	kg	1614	1615	1659	1660	
Gross Weight	kg	1737	1738	1787	1788	
Connection Ratio		50% - 150%				
Compressor Quantity	PC	8	8	8	8	
Condenser Fan Quantity	PC	8	8	8	8	
Height Difference Between ODU's and IDU's	ODUs is Higher Than IDUs	m	50 (90°4)			
	ODUs is Lower Than IDUs	m	40 (90°4)			
Height Difference Between IDUs	m	30				
Operation Range	Cooling	DB	-5 C ~ 52 C *5			
	Heating	WB	-25 C *5 ~ 16.5 C			
Max. Total Piping Length	m	1000				

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تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

Hisense Hi-FLEXI S series provide a wide selection of indoor units for indoor decoration and create a personalized living space.

HP	0.6	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5	3.0	3.3	4.0	5.0	6.0	8.0	10
kBtu/h	5	7	9	12	14	17	18	22	24	27	30	38	48	54	76	96
1-Way Cassette Type		●	●	●	●		●		●							
2-Way Cassette Type		●	●	●	●		●		●	●	●	●	●	●		
4-Way Cassette Type			●	●	●	●	●	●	●	●	●	●	●	●		
Compact 4-way Cassette Type	●	●	●	●	●	●										
Ceiling Ducted Type (High Static Pressure)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ceiling Ducted Type (Low Static Pressure)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ceiling Ducted Type (Low-height)	●	●	●	●	●	●	●	●	●							
Ceiling Ducted Type (Slim Low-height)		●	●	●	●											
Ceiling Ducted Type (DC Low-height)		●	●	●	●	●	●	●								
Ceiling & Floor Type						●	●	●	●	●	●	●	●			
Wall Mounted Type		●	●	●	●	●	●	●	●							
Floor Concealed Type			●	●		●	●									

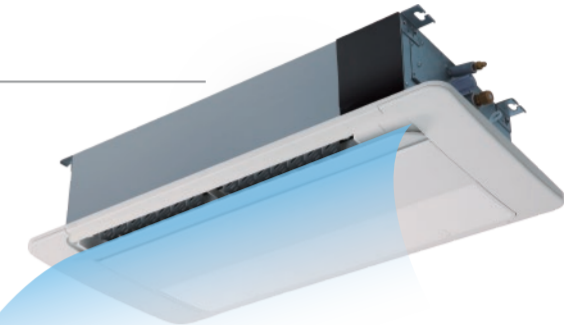
1-Way Cassette Type



Fashionable Appearance, Convenient Installation



Customers can choose the installation method according to different situation. The concise fashion elements style is suitable for renewal projects and un-decorated shopping malls or classrooms.



Efficiency DC Motor, Adjustable Air Speed

Adoption of the efficient DC motor and the optimized duct design assure the smooth air flow.



Intelligent Sensor (Optional)

People detecting, moving or not moving. Air blow to the people or avoid people.



Wider 3D-air Flow Range

Broad air deflector design realized broad air supply range. The wind direction can be adjusted according to the need thus makes the customers feel more comfortable.



Fresh Air Introducing

The unit can introduce fresh air from the external environment. With the filter facility, the air quality is guaranteed.



Standard Equipped Drain Pump

Standard equipped drain pump with the maximum drainage height up to 1200mm.

Indoor unit		1-Way Cassette Type					
Model Power Supply	AC1Φ 220V~240V /50Hz/60Hz	AVY-07UXJSJA	AVY-09UXJSJA	AVY-12UXJSJA	AVY-14UXJSJA	AVY-18UXJSKA	AVY-24UXJSKA
Cooling Operation	kW	2.2	2.8	3.6	4.0	5.6	7.1
	kcal/h	1,900	2,400	3,100	3,400	4,800	6,100
	Btu/h	7,500	9,600	12,300	13,600	19,100	24,200
Heating Operation	kW	2.5	3.2	4.0	4.5	6.3	8
	kcal/h	2,100	2,700	3,400	3,800	5,400	6,800
	Btu/h	85,00	10,900	13,600	15,400	21,500	27,300
Sound Pressure Level	dB(A)	33/32/31/30/29/28	35/34/32/31/29/28	40/36/35/33/30/29	40/36/35/33/30/29	41/39/36/35/33/31	48/46/43/40/37/33
Outer Dimensions (H×W×D)	mm	192×910×470				192×1,180×470	
Net Weight	kg	19	19	20	20	24	24
Refrigerant		R410A (Nitrogen-charged for corrosion-resistance)					
Indoor Fan Air Flow Rate	m ³ /h	372/354/336/306/288/276	396/372/336/306/288/276	498/438/408/372/336/306	498/438/408/372/336/306	726/594/528/492/468/396	936/756/672/594/504/426
Motor Power	kW	0.04	0.04	0.04	0.04	0.06	0.06
Refrigerant Piping Connection		Flare-nut Connection (with Flare Nuts)					
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88
Condensate Drain		VP25 (Outer Diameter 32)					
Panel Model		HP-D-NA	HP-D-NA	HP-D-NA	HP-D-NA	HP-E-NA	HP-E-NA
Cabinet Color		Neutral White					
Outer Dimensions (H×W×D)	mm	55×1,100×550	55×1,100×550	55×1,100×550	55×1,100×550	55×1,370×550	55×1,370×550
Net Weight	kg	5	5	5	5	6	6

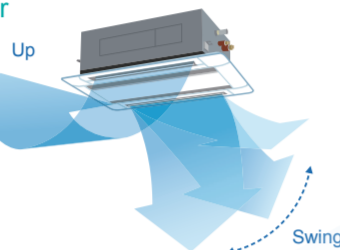
NOTES: 1. The nominal cooling capacity is based on the following conditions: Indoor Air Inlet Temperature: 27°C DB (80°F DB), 19.0°C WB(66.2°F WB) Outdoor Air Inlet Temperature: 35°C DB(95°F DB) Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on the following conditions: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

2-Way Cassette Type



2-way Individual Louver

The newly equipped individual louver setting function allows the angles of the 2 louvers to be adjusted individually.



Efficiency DC Motor, Adjustable Air Speed

The adoption of the efficient DC motor and the optimized duct design assure the smooth air flow.



The Design of Low Noise

The high efficiency turbofan form the wind pressure by rotating. Larger fan blades and slower fan speed realize the low operating noise.



Super Compact Structure Design, Easy for Installation



Fresh Air Introducing

The unit can introduce fresh air from the external environment. With the filter facility, the air quality is ensured.



Standard Equipped Drain Pump

The maximum drainage height up to 1200mm.

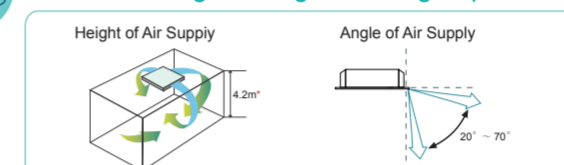
Indoor unit		2-Way Cassette Type										
Model Power Supply	AC1Φ 220V~240V /50Hz/60Hz	AVL-07 UXJSGA	AVL-09 UXJSGA	AVL-12 UXJSGA	AVL-14 UXJSGA	AVL-18 UXJSGA	AVL-24 UXJSGA	AVL-27 UXJSGA	AVL-30 UXJSGA	AVL-38 UXJSHA	AVL-48 UXJSHA	AVL-54 UXJSHA
Cooling Operation	kW	2.2	2.8	3.6	4.3	5.6	7.1	8.4	9.0	11.2	14.0	16.0
	kcal/h	1,900	2,400	3,100	3,700	4,800	6,100	6,900	7,700	9,600	12,000	13,800
	Btu/h	7,500	9,600	12,300	14,700	19,100	24,200	28,700	30,700	38,200	47,800	54,600
Heating Operation	kW	2.8	3.3	4.0	4.9	6.5	8.0	9.0	10.0	13.0	16.0	18.0
	kcal/h	2,400	2,800	3,400	4,200	5,600	6,800	7,800	8,600	11,200	13,800	15,500
	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 Level	dB(A)	32/30/29/27	33/30/29/28	34/31/30/28	40/37/34/32	42/39/36/33	45/42/40/36	47/44/40/36	49/46/42/37	46/44/40/38	48/45/42/38	49/46/43/40
Outer Dimensions (H×W×D)	mm	298×860×630						298×1,420×630				
Net Weight	kg	22	22	22	24	24	24	24	24	39	39	39
Refrigerant		R410A(Nitrogen-charged for corrosion-resistance)										
Indoor Fan Air Flow Rate	m ³ /h	600/510 /432/360	660/564 /492/396	720/630 /534/450	900/792 /690/594	1,020/894 /780/672	1,140/984 /858/738	1,260/1,104 /936/756	1,320/1,158 /978/786	1,800/1,584 /1,380/1,188	2,100/1,848 /1,614/1,266	2,220/1,950 /1,704/1,446
Motor Power	kW	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057x2	0.057x2	0.057x2
Refrigerant Piping Connection		Flare-nut Connection(with Flare Nuts)										
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		VP25(Outer Diameter Φ32)										
Panel Model		HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-F-NA	HP-F-NA	HP-F-NA
Cabinet Color		Neutral White										
Outer Dimensions (H×W×D)	mm	30×1,100×710	30×1,100×710	30×1,100×710	30×1,100×710	30×1,100×710	30×1,100×710	30×1,100×710	30×1,100×710	30×1,660×710	30×1,660×710	30×1,660×710
Net Weight	kg	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.5	10.5	10.5

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.

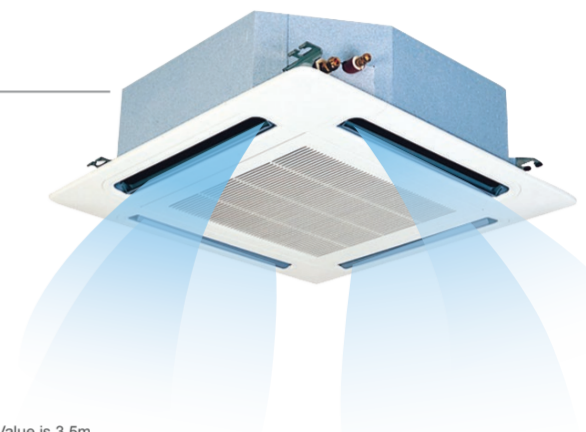
4-Way Cassette Type



Broad Range of Air Supply-suitable to be Used in Rooms of High Ceilings and Large Spaces



when indoor unit model is AVC 27~54 when indoor unit model is AVC 09~24*, the Value is 3.5m.



Compact and Thin

The height of the unit is only 248mm (Less than 24.2KBtu/h), so it can be installed in a small space inside a ceiling.



Body Height Easily Adjustable in the Corner Pockets

A pocket is provided for each of the four panel corners, so that the body height can be adjusted easily without removing the panel.



Installation Direction Can be Changed Easily for Convenient Pipe Connection

The design of the squared unit body and squared installation bracket makes the unit body installed in any direction horizontally possible, therefore there can be a convenient position to connect pipe.



Drain Pump as a Standard Part



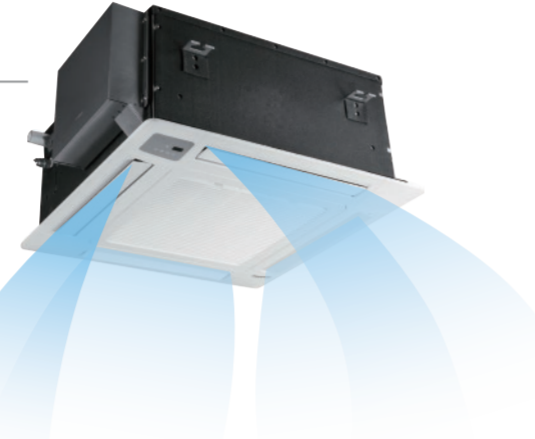
Power Input Reduced by Applying the New Developed DC Fan Motor

With several new technologies such as the ferritic magnetic surface-mounted motor, the centralized winding system and split core system, the motor efficiency is improved in all aspects.

Indoor unit		4-Way Cassette Type											
Model Power Supply	AC1Φ, 220~240V/50Hz	AVC-09 UXCSEB	AVC-12 UXCSEB	AVC-14 UXCSEB	AVC-17 UXCSEB	AVC-18 UXCSEB	AVC-22 UXCSEB	AVC-24 UXCSEB	AVC-27 UXCSEB	AVC-30 UXCSEB	AVC-38 UXCSEB	AVC-48 UXCSEB	AVC-54 UXCSEB
Nominal Cooling Capacity	kW	2.8	3.6	4.3	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2	16.0
	kcal/h	2,400	3,100	3,700	4,300	4,800	5,400	6,100	7,200	7,700	9,600	12,200	13,800
	Btu/h	9,600	12,300	14,700	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500	54,600
Nominal Heating Capacity	kW	3.3	4.2	4.9	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3	18.0
	kcal/h	2,800	3,600	4,200	4,800	5,600	6,500	7,300	8,300	8,600	11,200	14,000	15,500
	Btu/h	11,300	14,300	16,700	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600	61,400
Noise Level (H/M/L)	dB(A)	30-29-27	31-29-27	31-29-27	32-30-27	32-30-27	33-31-29	33-31-29	36-34-32	36-34-32	41-38-35	44-39-36	44-42-38
Outer Dimensions	H	mm	248	248	248	248	248	248	248	298	298	298	298
	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
Net Weight	kg	22	22	22	23	23	23	23	24	24	27	27	
Air Flow Rate (H/M/L)	m ³ /h	780/720/660	900/810/720	900/810/720	960/840/720	960/840/720	1,140/1,020/840	1,200/1,020/840	1,560/1,380/1,200	1,560/1,380/1,200	1,920/1,680/1,440	2,040/1,740/1,500	2,220/1,920/1,620
Motor Power	W	40	50	50	50	50	60	60	90	90	120	150	160
Piping Connections		VP25(Outer Diameter Φ32)											
Liquid Line	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
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		Flare-nut Connection(with Flare Nuts)											
Approximate Packing Measurement	m ³	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.26	0.26	0.26	0.26	0.26
Standard Accessories		Suspension Drackets											
Panel Model		HPE-A-NA											
Cabinet Color		Neutral White											
Outer Dimensions	H	mm	37	37	37	37	37	37	37	37	37	37	37
	W	mm	950	950	950	950	950	950	950	950	950	950	950
	D	mm	950	950	950	950	950	950	950	950	950	950	950
Net Weight	kg	6	6	6	6	6	6	6	6	6	6	6	
Packing Volume	m ³	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	

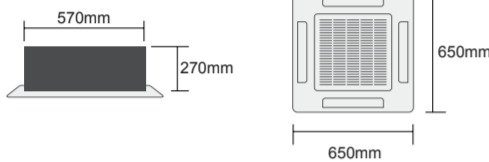
NOTES: 1. The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°CWB(66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation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

4-Way Cassette Type (Compact)



Compact Design

The panel is unified to a 650mm square which is neat and elegant, fitting small ceiling panel and making installation easier in grid ceilings.



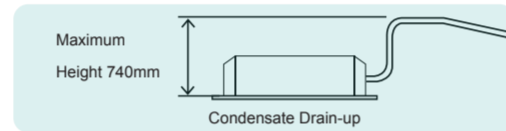
Broad Range of Air Supply

The recommended installation height is 2.5 meter, and it's also available for high ceiling installation by using the fan motor speed-up setting. To shift to SHi setting, connect cable terminal of SHi to the power line of the fan motor.

Convenience for Washing Filter

"FILTER" will be shown on the display of the remote control switch after approximately 1200 hours operation. And the filter can be taken out easily.

Drain Pump as a Standard Part



* The wireless remote controller HYE-W01 is standard for 4-Way Cassette Type (Compact)



Indoor unit		Compact 4-Way Cassette Type					
Model Power Supply	AC1Φ, 220-240V/50Hz	AVC-05URCSAB	AVC-07URCSAB	AVC-09URCSAB	AVC-12URCSAB	AVC-14URCSAB	AVC-17URCSAB
	AC1Φ, 220V/60Hz	—	AVC-07UR2SAB	AVC-09UR2SAB	AVC-12UR2SAB	AVC-14UR2SAB	AVC-17UR2SAB
Nominal Cooling Capacity	kW	1.7	2.2	2.8	3.6	4.3	5.0
	kcal/h	1,500	1,900	2,400	3,100	3,700	4,300
	Btu/h	5,800	7,500	9,600	12,300	14,700	17,100
Nominal Heating Capacity	kW	1.9	2.8	3.3	4.2	4.9	5.6
	kcal/h	1,700	2,400	2,800	3,600	4,200	4,800
	Btu/h	6,500	9,600	11,300	14,300	16,700	19,100
Noise Level (H/M/L)	dB(A)	39-34-30	39-34-30	39-34-30	39-34-30	41-38-33	44-41-37
Outer Dimensions	H mm	270	270	270	270	270	270
	W mm	570	570	570	570	570	570
	D mm	570	570	570	570	570	570
Net Weight	kg	20	20	20	20	20	20
Air Flow Rate (H/M/L)	m³/h	570/480/384	570/480/384	570/480/384	570/480/384	654/564/456	792/690/588
Motor Power	W	63	63	63	63	71	89
Piping Connections		Flare-nut Connection(with Flare Nuts)					
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Condensate Drain		VP25(Outer Diameter Φ32)					
Approximate Packing Measurement	m³	0.18	0.18	0.18	0.18	0.18	0.18
Standard Accessories		Suspension Drackets					
Panel Model		HPE-CR-NA					
Cabinet Color		Neutral White					
Outer Dimensions	H mm	30	30	30	30	30	30
	W mm	650	650	650	650	650	650
	D mm	650	650	650	650	650	650
Net Weight	kg	2.4	2.4	2.4	2.4	2.4	2.4
Packing Volume	m³	0.07	0.07	0.07	0.07	0.07	0.07

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)

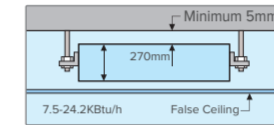
2. The sound pressure level is based on the following conditions:
1.5m beneath the unit.
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

Ceiling Ducted Type (High Static Pressure)

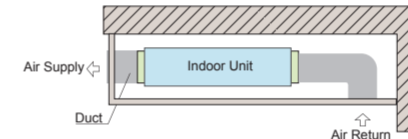


Installation Space-saving

The height less than 270mm can be easily fit into the limited space in the false ceiling (7.5-24.2Kbtu/h).



Satisfying Varied Requests on Installation



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

Fresh Indoor Air

By introducing fresh outdoor air and being equipped with the air filter to keep indoor air clean.

Excellent Air Flow

The cooling and heating air distributed from the unit to the indoor space through ducts, which creates a comfortable environment.

Optional Parts

The drain pump can be supplied as optional part.

Indoor unit		Ceiling Ducted type (High Static Pressure)															
Model Power Supply	AC1Φ, 220-240V/50Hz	AVD-07 UXCSAH	AVD-09 UXCSAH	AVD-12 UXCSAH	AVD-14 UXCSAH	AVD-17 UXCSBH	AVD-18 UXCSBH	AVD-22 UXCSBH	AVD-24 UXCSBH	AVD-27 UXCSCH	AVD-30 UXCSCH	AVD-38 UXCSCH	AVD-48 UXCSCH	AVD-54 UXCSCH	AVD-76 UX6SEH1	AVD-96 UX6SFH1	
	AC1Φ, 220V/60Hz	AVD-07 UX2SAH	AVD-09 UX2SAH	AVD-12 UX2SAH	AVD-14 UX2SAH	AVD-17 UX2SBH	AVD-18 UX2SBH	AVD-22 UX2SBH	AVD-24 UX2SBH	AVD-27 UX2SCH	AVD-30 UX2SCH	AVD-38 UX2SCH	AVD-48 UX2SDH	AVD-54 UX2SDH	AVD-76 UX2SFH2	AVD-96 UX2SFH2	
Nominal Cooling Capacity	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2	16.0	22.4	28.0	
	kcal/h	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100	7,200	7,700	9,600	12,200	13,800	19,300	24,100	
	Btu/h	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500	54,600	76,500	95,600	
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3	18.0	25.0	31.5	
	kcal/h	2,400	2,800	3,600	4,200	4,800	5,600	6,500	7,300	8,300	8,600	11,200	14,000	15,500	21,500	27,100	
	Btu/h	9,600	11,300	14,300	16,700	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600	61,400	85,300	107,500	
Noise Level (H/M/L)	dB(A)	33-31-29	33-31-29	33-31-29	33-31-29	34-32-30	34-32-30	36-34-32	36-34-32	41-39-34	41-39-34	43-40-36	44-41-36	43-40-37	52	54	
Outer Dimensions	H mm	270	270	270	270	270	270	270	270	350	350	350	350	350	470	470	
	W mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	900+75	900+75	900+75	900+75	1300+75	1300+75	1060	1250	
	D mm	720	720	720	720	720	720	720	720	800	800	800	800	800	1120	1120	
Net Weight	kg	25	25	25	25	34	34	34	34	44	44	44	56	56	94	106	
Air Flow Rate (H/M/L)	m³/h	480/420 /360	480/420 /360	780/660 /540	780/660 /540	900/780 /660	900/780 /660	960/840 /720	960/840 /720	1600/1400 /1150	1600/1400 /1150	1600/1400 /1150	2100/1750 /1450	2150/1800 /1550	3480	4650	
Motor Power	W	110	110	150	150	150	150	150	190	300	300	300	430	430	1030	1280	
Piping Connections		Flare-nut Connection(with Flare Nuts)														Brazing	
Liquid Line	mm	Φ6.35	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	
Gas Line	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	Φ15.88	Φ19.05	Φ22.2	
Condensate Drain		VP25(Outer Diameter Φ32)															
External Static Pressure	Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	120(90)	120(90)	120(90)	120(90)	120(90)	220	220	
Packing Volume	m³	0.21	0.21	0.21	0.21	0.27	0.27	0.27	0.27	0.38	0.38	0.38	0.52	0.52	0.90	1.06	

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)

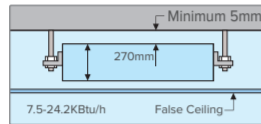
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
With discharge duct (2.0m) and return duct(1.0m)
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.
*1: AC3Φ, 380V/60Hz; AVD- 76UX7SEH; AVD-96UX7SFH

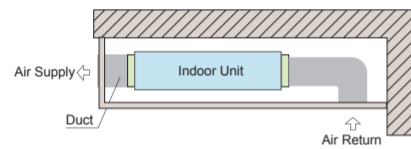
Ceiling Ducted Type (Low Static Pressure)

Installation Space-saving

The height less than 270mm can be easily fit into the limited space in the false ceiling (7.5-24.2KBTu/h).



Satisfying Varied Requests on Installation



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



Fresh Indoor Air

By introducing fresh outdoor air and being equipped with air filter to keep indoor air clean.



Excellent Air Flow

The cooling and heating air distributed from the unit to the indoor space through ducts which creates a comfortable environment.



Optional Parts

Drain pump can be supplied as optional part.

Indoor unit		Ceiling Ducted type (Low Static Pressure)															
Model Power Supply	AC1Φ 220~240V/50Hz	AVD-07 UXCSAL	AVD-09 UXCSAL	AVD-12 UXCSAL	AVD-14 UXCSAL	AVD-17 UXCSBL	AVD-18 UXCSBL	AVD-22 UXCSBL	AVD-24 UXCSBL	AVD-27 UXCSCL	AVD-30 UXCSCL	AVD-38 UXCSCL	AVD-48 UXCSDL	AVD-54 UXCSDL	AVD-76 UX6SEL*1	AVD-96 UX6SFL*1	
Nominal Cooling Capacity	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2	16.0	22.4	28.0	
	kcal/h	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100	7,200	7,700	9,600	12,200	13,800	19,300	24,100	
	Btu/h	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500	54,600	76,500	95,600	
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3	18.0	25.0	31.5	
	kcal/h	2,400	2,800	3,600	4,200	4,800	5,600	6,500	7,300	8,300	8,600	11,200	14,000	15,500	21,500	27,100	
	Btu/h	9,600	11,300	14,300	16,700	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600	61,400	85,300	107,500	
Noise Level (H/M/L)	dB(A)	30-26-24	30-26-24	32-30-28	32-30-28	33-31-29	33-31-29	34-32-30	34-32-30	38-34-30	38-34-30	39-35-31	41-38-33	43-39-34	50	52	
Outer Dimensions	H	mm	270	270	270	270	270	270	270	350	350	350	350	350	470	470	
	W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	900+75	900+75	900+75	1300+75	1300+75	1060	1250	
	D	mm	720	720	720	720	720	720	720	800	800	800	800	800	1120	1120	
Net Weight	kg	25	25	25	25	34	34	34	34	44	44	44	56	56	94	106	
Air Flow Rate (H/M/L)	m ³ /h	480/420/360	480/420/360	780/660/540	780/660/540	900/780/660	900/780/660	960/840/720	960/840/720	1550/1350/1150	1550/1350/1150	1550/1350/1150	2150/1800/1500	2200/1900/1500	3480	4320	
Motor Power	W	110	110	150	150	150	150	190	190	300	300	300	430	430	950	1120	
Piping Connections		Flare-nut Connection(with Flare Nuts)												Brazing			
Liquid Line	mm	Φ6.35	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	
Gas Line	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	Φ15.88	Φ19.05	Φ22.2	
Condensate Drain		VP25(Outer Diameter Φ32)															
External Static Pressure	Pa	30	30	30	30	30	30	30	30	60	60	60	60	60	100	100	
Packing Volume	m ³	0.21	0.21	0.21	0.21	0.27	0.27	0.27	0.27	0.38	0.38	0.38	0.52	0.52	0.90	1.06	

NOTES:

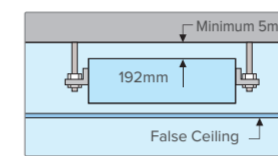
- The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°C WB(66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
- The sound pressure 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.
- When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.
*1: AC3Φ, 380V/60Hz: AVD- 76UX7SEH; AVD-96UX7SFH

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)

Ceiling Ducted Type (Low-Height)

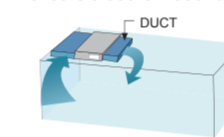
Installation Space-saving

With the height of 192mm it can be easily installed inside a narrow residential ceiling.

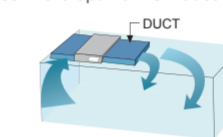


Adjustable Indoor Unit Static Pressure

The indoor unit can adjust the static pressure automatically according to the house structure and installation condition, ensure that the indoor unit operates in the optimum exhaust state.



When the required duct is short, the static pressure can be set lower.



When the required duct is long, the static pressure can be set higher.



Excellent Air Flow

The cooling and heating air distributed from the unit to the indoor space through ducts which creates a comfortable environment.



Satisfy Varied Requests on Installation

Available air inlet as rear or bottom entry, consumers can choose relevant air inlet mode according to the practical installation space.



Drain Pump as a Standard Part

The drain-up length up to 900mm which enables the convenient drain piping and enlarges the flexibility of the installation.

Indoor unit		Ceiling Ducted Type (Low-height)									
Model Power Supply	AC1Φ 220~240V/50Hz	AVE-05UXCSAL	AVE-07UXCSAL	AVE-09UXCSAL	AVE-12UXCSAL	AVE-14UXCSAL	AVE-17UXCSBL	AVE-18UXCSBL	AVE-22UXCSBL	AVE-24UXCSBL	
Nominal Cooling Capacity	kW	1.7	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1	
	kcal/h	1,500	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100	
	Btu/h	5,800	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200	
Nominal Heating Capacity	kW	1.9	2.8	3.3	4.2	4.9	5.8	6.5	7.5	8.5	
	kcal/h	1,700	2,400	2,800	3,600	4,200	5,000	5,600	6,500	7,300	
	Btu/h	6,500	9,600	11,300	14,300	16,700	19,800	22,200	25,600	29,000	
Noise Level (H/M/L)	dB(A)	29-28-25	27-24-21	27-24-21	32-30-27	32-30-27	34-30-28	34-30-28	36-32-29	36-32-29	
Outer Dimensions	H	mm	192	192	192	192	192	192	192	192	
	W	mm	697	900+73	900+73	900+73	900+73	1,170+73	1,170+73	1,170+73	
	D	mm	447	447	447	447	447	447	447	447	
Net Weight	kg	16	20	20	21	21	26	26	26	26	
Air Flow Rate (H/M/L)	m ³ /h	372/354/300	500/440/350	500/440/350	640/590/520	640/590/520	870/750/630	870/750/630	950/820/710	950/820/710	
Motor Power	W	19	50	50	70	70	100	100	110	110	
Piping Connections		Flare-nut Connection(with Flare Nuts)									
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	
Condensate Drain		VP25(Outer Diameter Φ32)									
External Static Pressure	Pa	10(0-10-30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	
Packing Volume	m ³	0.15	0.15	0.15	0.15	0.15	0.18	0.18	0.18	0.18	

NOTES:

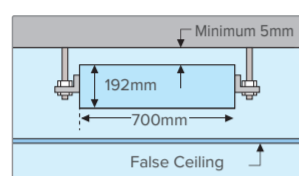
- The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°C WB(66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
- The sound pressure 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.
When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.

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)

Ceiling Ducted Type (Slim Low-height)

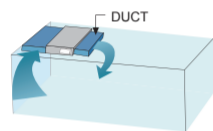
Installation Space-saving

With the width of 700mm and the height of 192mm, it can be easily installed inside a narrow residential ceiling.

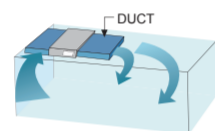


Adjustable Indoor Unit Static Pressure

The indoor unit can adjust the static pressure automatically according to the house structure and the installation condition, which ensures that the indoor unit operates in the optimum exhaust state.



When the required duct is short, the static pressure can be set lower.



When the required duct is long, the static pressure can be set higher.

Excellent Air Flow

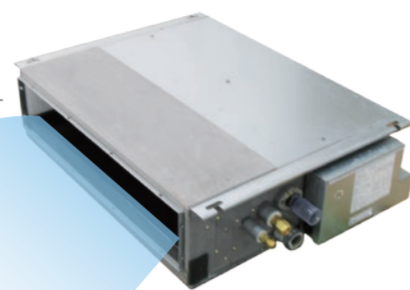
The cooling and heating air distributed from the unit to the indoor space through ducts creates a comfortable environment.

Satisfy Varied Requests on Installation

Available air inlet as rear or bottom entry, consumers can choose relevant air inlet mode according to the practical installation space.

Drain Pump as a Standard Part

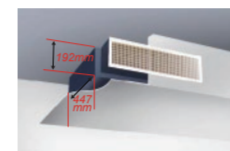
The drain-up length up to 900mm which enables the convenient drain piping and enlarges the flexibility of the installation.



Ceiling Ducted Type (DC Low-height)

Ultra-thin Body Design

192mm



With the height of 192mm and the depth of 447mm, it can make full use of the narrow space to realize various kinds of air flow.

DC Motor, Efficient and Energy-saving

1. Equipped with the efficient and energy-saving DC motor, 6 adjustable fan speeds offered.
2. Extremely low operating noise; the lowest noise level is only 26dB(A) (suitable for both heating, cooling and air flow)

Adjustable Indoor Unit Static Pressure

The indoor unit can adjust the static pressure automatically according to the house structure and the installation condition, which ensures that the indoor unit operates in the optimum exhaust state.

Adjustable Humidity for Coziness

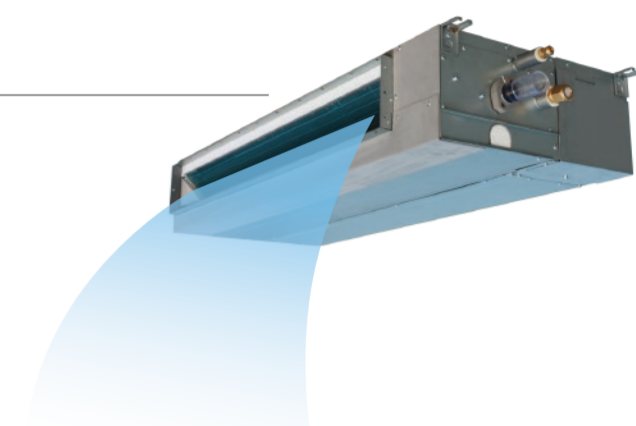
With the air inlet equipped with the humidity sensor, the humidity adjustment and control according to the indoor humidity condition can be realized.

Drain Pump as a Standard Part

The drain-up length up to 900mm which enables the convenient drain piping and enlarges the flexibility of the installation.

3D Air-flow Outlet

Fashionable Appearance. Intelligent 3D air flow. Smooth panel design. 3 wind setting type (normal, 3D, super long distance). Easy clean LED. Temperature and humidity display. Backlight show. Wide louver working angle.



Indoor unit		Ceiling Ducted Type (Slim)			
Model Power Supply	AC1φ, 220V/60Hz	AVE-07UXCSGL	AVE-09UXCSGL	AVE-12UXCSGL	AVE-14UXCSGL
	AC1φ, 220V/60Hz	AVE-07UX2SGL	AVE-09UX2SGL	AVE-12UX2SGL	AVE-14UX2SGL
Nominal Cooling Capacity	kW	2.2	2.8	3.6	4.3
	kcal/h	1,900	2,400	3,100	3,700
	Btu/h	7,500	9,600	12,300	14,700
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9
	kcal/h	2,400	2,800	3,600	4,200
	Btu/h	9,600	11,300	14,300	16,700
Noise Level (H/M/L)	dB(A)	27-23-21	27-23-21	31-29-27	31-29-27
Outer Dimensions	H mm	192	192	192	192
	W mm	700+70	700+70	700+70	700+70
	D mm	602	602	602	602
Net Weight	kg	21	21	21	21
Air Flow Rate (H/M/L)	m ³ /h	450/380/335	450/380/335	590/510/470	590/510/470
Motor Power	W	50	50	60	60
Piping Connections		Flare-nut Connection(with Flare Nuts)			
Liquid Line	mm	φ6.35	φ6.35	φ6.35	φ6.35
Gas Line	mm	φ12.7	φ12.7	φ12.7	φ12.7
Condensate Drain		VP25(Outer Diameter φ32)			
External Static Pressure	Pa	10(30)	10(30)	10(30)	10(30)
Packing Volume	m ³	0.15	0.15	0.15	0.15

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

Indoor unit		Ceiling Ducted Type (DC Low-height)							
Model Power Supply	AC1φ, 220V~240V /50Hz/60Hz	AVE-07UXJSCL	AVE-09UXJSCL	AVE-12UXJSCL	AVE-14UXJSCL	AVE-17UXJSCL	AVE-18UXJSCL	AVE-22UXJSCL	AVE-24UXJSCL
		2.2	2.8	3.6	4.3	5	5.6	6.3	7.1
Nominal Cooling Capacity	kW	2.2	2.8	3.6	4.3	5	5.6	6.3	7.1
	kcal/h	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100
	Btu/h	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5
	kcal/h	2,400	2,800	3,600	4,200	4,800	5,600	6,500	7,300
	Btu/h	9,600	11,300	14,300	16,700	19,100	22,200	25,600	29,000
Sound Pressure Level	dB(A)	29/27/26 /24/23/22	31/30/29 /27/25/24	33/32/30/29/26/25		36/34/33/32/30/27		37/36/34/32/31/29	
Outer Dimensions (H×W×D)	mm	192×910×447				192×1,180×447			
Net Weight	kg	20		21		26		26	
Refrigerant		R410A(Nitrogen-charged for corrosion-resistance)							
Indoor Fan Air Flow Rate	m ³ /min	450/420/390 /360/330/312	540/492/444 /402/360/312	588/540/510/480/450/420		870/810/750/690/630/600		990/900/840/780/720/660	
Motor Power	W	33				57			
Refrigerant Piping Connection		Flare-nut Connection(with Flare Nuts)							
Liquid Line	mm	φ6.35				φ6.35		φ9.53	
Gas Line	mm	φ12.7				φ15.88		φ15.88	
Condensate Drain		VP25(Outer Diameter φ32)							
External Static Pressure	Pa	10(0-10-30)				10(0-10-50)			
Packing Volume	m ³	0.15				0.18			

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)

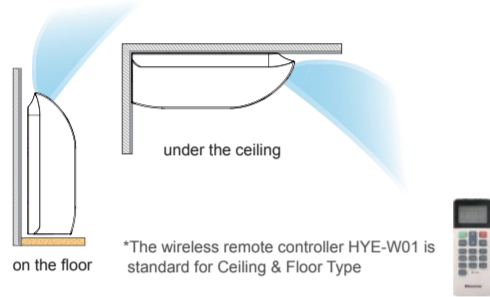
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit. With discharge duct (2.0m) and return duct(1.0m)
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.
When bottom air inlet is adopted, the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

Ceiling & Floor Type



Flexible Installation

The unit can be installed either stand on the floor or hang under the ceiling.



*The wireless remote controller HYE-W01 is standard for Ceiling & Floor Type



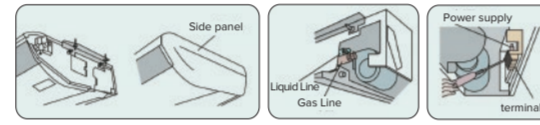
New Fashion Design Appearance and High Quality

The fashionable design and streamline appearance gives a perfect choice for users. The integrative side panel makes the whole unit more concordant. Huge air outlet with an integrative large louver realizes high air volume and low noise.



Convenient Installation and Maintenance

Advanced structure design that makes the unit installation, pipe connection, even wiring work into simple.



1. Unit installation work can be done directly just open the side panel
2. After open side panel, big space for pipe connection provide convenience for pipe installation
3. Set DIP switch by opening electric box cover, simplification and convenience.



Intelligent 3D Air Flow

With horizontal and vertical air louver, the air flow can be adjusted freely. Fulfill the optimum air organization, and bring more comfortable.



Wall Mounted Type



The Design of Elegant Smooth Panel with Hidden LED Display

The quality of "Elegance" is to meet contemporary needs. The simple and smooth form harmonizes with any interior style. The smooth panel can be cleaned easily.



Anti-mold Filter

Anti-mold filter is equipped as standard accessory.



Free Installation

The water drain pipe can be set either on the left side or on the right side of the unit. The connection pipe can be set in left, right or back side of the unit.



Compact and Light Weight, Allowing Easy Installation

For easy installation, a slim design is adopted to this new model by using a high proportion of lightweight resin parts, which greatly reduced the weight of the unit.



Sleep Mode Bring You Comfortable Temperature for Good Sleep

Sleep mode can be kept for 8 hours. The setting temperature will be adjusted automatically for your comfortable.



Quiet Operation for Super Low Sound Level

The one-touch quiet operation can set the system work in a super low speed and make the noise level low to 28 dB(A).

Indoor unit		Ceiling & Floor Type							
Model Power Supply	AC1Φ 220V~240V /50Hz	AVV-17URSCA	AVV-18URSCA	AVV-22URSCA	AVV-24URSCA	AVV-27URSCB	AVV-30URSCB	AVV-38URSCB	AVV-48URSCC
	AC1Φ 220V/60Hz	AVV-17UR2SA	AVV-18UR2SA	AVV-22UR2SA	AVV-24UR2SA	AVV-27UR2SB	AVV-30UR2SB	AVV-38UR2SB	AVV-48UR2SC
Nominal Cooling Capacity	kW	5	5.6	6.3	7.1	8.4	9	11.2	14.2
	kcal/h	4,300	4,800	5,400	6,100	7,200	7,700	9,600	12,200
	Btu/h	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500
Nominal Heating Capacity	kW	5.6	6.5	7.5	8.5	9.6	10	13	16.3
	kcal/h	4,800	5,600	6,500	7,300	8,300	8,600	11,200	14,000
	Btu/h	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600
Motor Power	W	40	40	70	70	70	80	130	160
Air Flow Rate (H/M/L)	m ³ /h	780/660/540	780/660/540	966/840/678	966/840/678	1,092/912/732	1,164/978/798	1,488/1,230/978	1,980/1,680/1,380
Noise Level (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
Noise Level (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
Outer Dimensions	mm	990x680x230	990x680x230	990x680x230	990x680x230	1,285x680x230	1,285x680x230	1,285x680x230	1,580x680x230
Net Weight	kg	31	31	32	32	39	40	41	47
Gross Weight	kg	38	38	39	39	46	47	48	56
Refrigerant		R410A(Nitrogen-charged for Corrosion-resistance)							
Piping Connections		Flare-nut Connection(with Flare Nuts)							
Liquid Line	mm	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		VP25(Outer Diameter Φ32)							
Packing Dimensions	mm	1,110x830x340				1,400x830x340		1,690x830x340	
Speed-up Setting HH1	m ³ /h	852	852	1,068	1,068	1,188	1,272	1,620	2,160
Speed-up Setting HH2	m ³ /h	960	960	1,200	1,200	1,338	1,410	1,752	2,244

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)

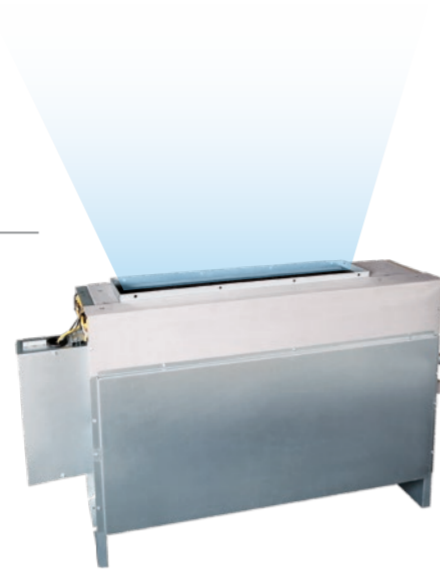
2. The sound pressure level is based on the following conditions:
1.0m beneath the unit, 1.0m from Discharge Grille.
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field. When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

Indoor unit		Wall Mounted Type							
Model Power Supply	AC1Φ220V ~240V/50Hz	AVS-07URCSABA	AVS-09URCSABA	AVS-12URCSABA	AVS-14URCSABA	AVS-17URCSABA	AVS-18URCSBBA	AVS-22URCSBBA	AVS-24URCSBBA
	AC1Φ220V/60Hz	AVS-07UR2SABA	AVS-09UR2SABA	AVS-12UR2SABA	AVS-14UR2SABA	AVS-17UR2SABA	AVS-18UR2SBBA	AVS-22UR2SBBA	AVS-24UR2SBBA
Nominal Cooling Capacity	kW	2.2	2.8	3.6	4.0	5.0	5.6	6.3	7.1
	kcal/h	1,900	2,400	3,100	3,450	4,300	4,816	5,418	6,106
	Btu/h	7,500	9,500	12,300	13,600	17,000	19,100	21,500	24,200
Nominal Heating Capacity	kW	2.5	3.3	4.0	4.5	5.6	6.3	7.1	8
	kcal/h	2,150	2,800	3,450	3,900	4,800	5,418	6,106	6,880
	Btu/h	8,500	11,100	13,600	15,300	19,100	21,500	24,200	27,300
Indoor Fan Air Flow Rate (High/Medium/Low/Mute)	m ³ /h	660/590/520/460	660/590/520/460	830/660/520/460	830/660/520/460	900/750/590/460	893/782/671/582	1,006/893/716/621	1,122/984/804/649
Sound Pressure Level (High/Medium/Low/Mute)	dB(A)	39/34/32/28	39/34/32/28	43/39/32/28	43/39/32/28	45/40/34/29	41/37/34/30	44/41/36/31	46/43/38/33
Net Weight	kg	13.5	13.5	13.5	13.5	13.5	16.0	16.0	16.0
Gross Weight	kg	17.0	17.0	17.0	17.0	17.0	20.0	20.0	20.0
Refrigerant		R410A(Nitrogen-charged for Corrosion-resistance)							
Motor Power	W	50	50	60	60	65	62	72	82
Connections Refrigerant Piping		Flare-nut Connection(with Flare Nuts)							
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		VP16							
Outer Dimensions (H×W×D)	mm	315×960×230	315×960×230	315×960×230	315×960×230	315×960×230	315×1,120×230	315×1,120×230	315×1,120×230
Packing Outer Dimensions(H×W×D)	mm	445×1,080×355	445×1,080×355	445×1,080×355	445×1,080×355	445×1,080×355	438/1,238/349	438/1,238/349	438/1,238/349
Approximate Packing Measurement	m ³	0.17	0.17	0.17	0.17	0.17	0.19	0.19	0.19
Wireless Remote Controller/Receiver		HYE-L01+Receiver							
Wired Remote Controller		Option	Option	Option	Option	Option	Option	Option	Option
Fan motor		PG Fan motor	PG Fan motor	PG Fan motor	PG Fan motor	PG Fan motor	PG Fan motor	PG Fan motor	PG Fan motor
Drain Pump		NO	NO	NO	NO	NO	NO	NO	NO

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:
1.1m beneath the unit and 1.0m from inlet grille.
Voltage of the power source for the indoor fan motor is 220V.
In case of the power source of 240V, the sound pressure level increases by about 1~2dB.
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

Floor Concealed Type



Compact Design Fitting Into a Tiny Space

The design places special emphasis on the compatibility with the interior design as well as space saving design, allowing it to fit perfectly into the space below a bay window. So compact that it fits into even a tiny space.



Perfectly fit the indoor decoration

No matter what kind of decoration style it is, Hisense floor concealed type can be able to match it.



Hidden installation, space saving

Hisense floor concealed type can be installed in the decoration space, which is covered by the decoration.



Two-level static pressure available

High static pressure achieves long distance air exhaust. The air can be reach to every part of the room.

Indoor unit	Floor Concealed Type				
Model Power Supply	AC1Φ, 220~240V/50Hz	AVH-09UXCSAA	AVH-14UXCSAA	AVH-18UXCSBA	AVH-24UXCSBA
	AC1Φ, 220V/60Hz	AVH-09UX2SAA	AVH-14UX2SAA	AVH-18UX2SBA	AVH-24UX2SBA
Nominal Cooling Capacity	kW	2.8	4.3	5.6	7.1
	kcal/h	2,400	3,700	4,800	6,100
	Btu/h	9,600	14,700	19,100	24,200
Nominal Heating Capacity	kW	3.3	4.9	6.5	8.5
	kcal/h	2,800	4,200	5,600	7,300
	Btu/h	11,300	16,700	22,200	29,000
Noise Level (H/M/L)	dB(A)	34-31-27	40-36-34	41-36-32	44-40-36
Cabinet Color	Silky White				
Outer Dimensions	H-mm	620	620	620	620
	W-mm	948+139	948+139	1,218+139	1,218+139
	D-mm	202	202	202	202
Net Weight	kg	18	22	26	27
Air Flow Rate (H/M/L)	m ³ /h	510/450/380	620/540/480	890/740/630	980/830/710
Motor Power	W	50	80	90	120
Piping Connections	Flare-nut Connection(with Flare Nuts)				
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.53
Gas Line	mm	Φ12.7	Φ12.7	Φ15.88	Φ15.88
Condensate Drain		VP25	VP25	VP25	VP25
Packing Volume	m ³	0.19	0.19	0.23	0.23

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.

CONTROL SYSTEM

WITH HIGH INTELLIGENCE

The intelligent control system of Hisense central air conditioning can realize automatic control through one computer, which makes it easy to learn the overall system operation and detect and solve problems timely. Meanwhile, this system can achieve electricity household metering with humanized intelligent control and efficient and convenient management to make users enjoy the modern intelligent life.



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تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

Wired Controller

Main Functions

- ◆ Cooling/Heating/Dry/Fan/Auto
- ◆ Fan speed/Swing Louver
- ◆ Temperature Setting
- ◆ Holiday Setting
- ◆ Weekly Timer
- ◆ Check
- ◆ Error Code Display
- ◆ Error History Display
- ◆ Lock
- ◆ Timer
- ◆ Air Filter Cleaning Reminding
- ◆ Address Setting



HYXE-J01H

Main Functions

- ◆ Cooling/Heating/Dry/Fan/Auto
- ◆ Max. 16 indoor units can be connected
- ◆ Backlight control
- ◆ Multiple Speed
- ◆ 0.5°C temperature Setting
- ◆ Air Filter Cleaning Reminder
- ◆ Swing Louver
- ◆ One Touch Test Run
- ◆ Error Code Display
- ◆ 72-hour Timer
- ◆ 3D airflow Setting
- ◆ Check
- ◆ Optional setting



HYXE-VA01

Main Functions

- ◆ 86×86mm smart size
- ◆ Inserting
- ◆ Cooling/Heating/Dry/Fan/Auto
- ◆ Multiple speed/Swing louver
- ◆ Temperature setting
- ◆ 72-hour Timer
- ◆ Air filter cleaning reminding
- ◆ Check
- ◆ Error Code Display
- ◆ Backlight
- ◆ Control Max.6 indoor units
- ◆ Dehumidification



HYXE-M01H

Main Functions

- ◆ Cooling/Heating/Dry/Fan/Auto
- ◆ Temperature Setting
- ◆ Timer
- ◆ Icon function display
- ◆ Air filter cleaning reminding
- ◆ Test Run
- ◆ Touch buttons
- ◆ Dehumidification
- ◆ Optional setting
- ◆ Quiet
- ◆ Fan Speed/Swing Louver
- ◆ Touch Key
- ◆ Check
- ◆ 3 or 6 Speed Control



HYXE-S01H



Wireless Controller

Main Functions

- ◆ Cooling/Heating/Dry/Fan/Auto
- ◆ Temperature setting
- ◆ 6 Fan speed/Swing louver
- ◆ 24-hour Timer
- ◆ Quiet mode setting
- ◆ Sleep mode setting
- ◆ Dehumidification



HYE-W01

Receiver Kit for Wireless Control - Optional



Centralized Controller

Main Functions

- ◆ Group Control(ON/OFF)
- ◆ Indoor Units Auto Login in
- ◆ Indoor Unit Power OFF Reminder
- ◆ Error Reminder



HYJ-J01H

Main Functions

- ◆ Clock Setting
- ◆ Time display mode setting
- ◆ Energy saving control mode
- ◆ Backlight
- ◆ Holiday Setting
- ◆ Setting Temperature limitation
- ◆ Power Indicator
- ◆ Backlight Brightness Adjusting
- ◆ Backlight Auto-Off Time Adjusting
- ◆ Alarm history
- ◆ Service Hotline Setting
- ◆ Weekly Schedule



HYJM-S01H

Smooth Appearance



Easy Installation



Type	Wired Controller				Wireless Controller
Model	HYXE-VA01	HYXE-J01H	HYXE-M01H	HYXE-S01H	HYE-W01
Picture					
Suit for indoor unit	Duct Type	○	○	○	○
	4-Way Cassette	○	○	○	○
	4-Way Cassette (compact)	○	○	○	√
	1-Way Cassette	○	○	○	×
	2-Way Cassette	○	○	○	×
	Ceiling&Floor	○	○	○	○
	Wall Mounted	○	○	○	√
	Floor Conocealed	○	○	○	×
	DC Low Height	○	○	○	×
	All Fresh Air Indoor Unit	○	○	○	○
	Heat Recovery Ventilation	○	○	√	×
	3D Air-flow Panel	○	○	○	×
AHU KIT	○	○	×	×	

Type	Receiver Kit			Centralized Controller	ON/OFF
Model	HYRE-V02H	HYRE-T02H	HYRE-X01H	HYJM-S01H	HYJ-J01H
Picture					
Suit for indoor unit	Duct Type	○	×	○	○
	4-Way Cassette	×	○	○	○
	4-Way Cassette (compact)	×	×	○	○
	1-Way Cassette	×	×	○	○
	2-Way Cassette	○	×	×	○
	Ceiling&Floor	×	×	×	○
	Wall Mounted	×	×	×	○
	Floor Conocealed	○	×	×	○
	DC Low Height	○	×	×	○
	All Fresh Air Indoor Unit	○	×	×	○
	Heat Recovery Ventilation	×	×	×	○
	3D Air-flow Panel	○	×	×	×
AHU KIT	×	×	×	○	

Remarks: ○ Optional × Incompatible √ Standard

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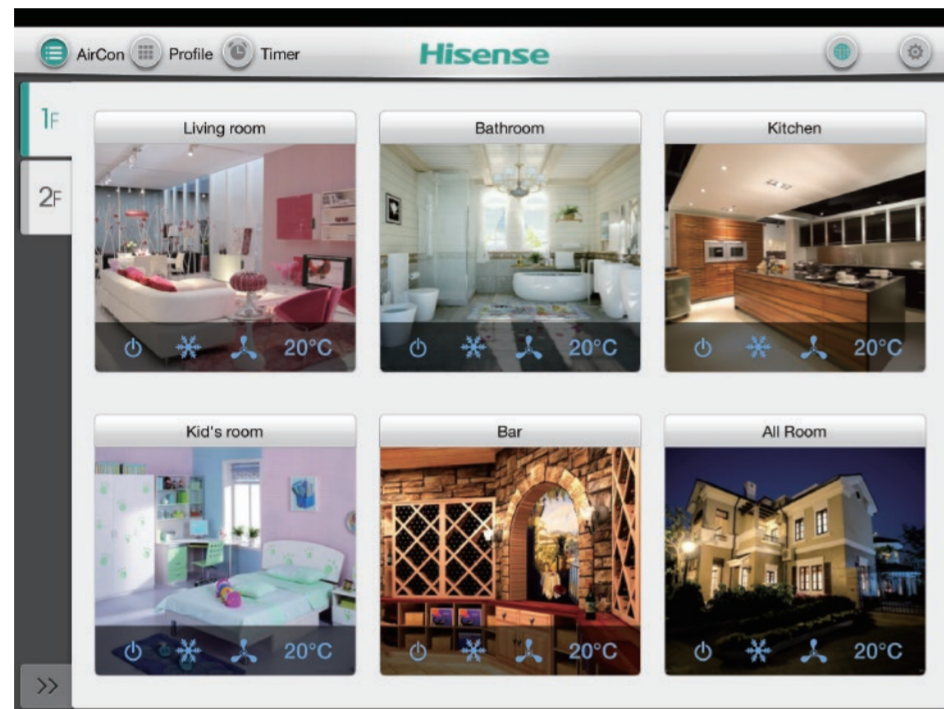
Tel: ۰۲۱-۴۸۰۰۰۰۴۹

Fax: ۰۲۱-۴۴۹۹۴۶۴۲

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

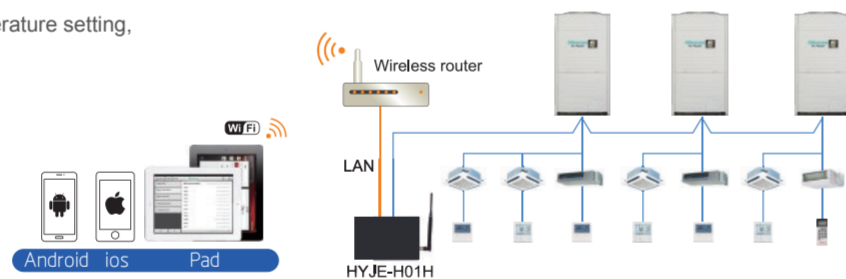
روبروی پالایشگاه نفت پارس، پلاک ۱۲

Hi-Mit



Main Functions

- ◆ ON/OFF control, Operation mode, Temperature setting, Airflow Setting
- ◆ Operate according to a schedule
- ◆ Display the alarm code
- ◆ off home mode and energy-saving mode
- ◆ Max. 32 indoor units can be controlled
- ◆ Dimension: 215×137×38 mm



Adapter Specifications

Model name	HYJE-H01H	Operating temperature	0°C ~40°C
Input voltage	AC 110~240V 60Hz	Maximum operating current	10mA (220 V)

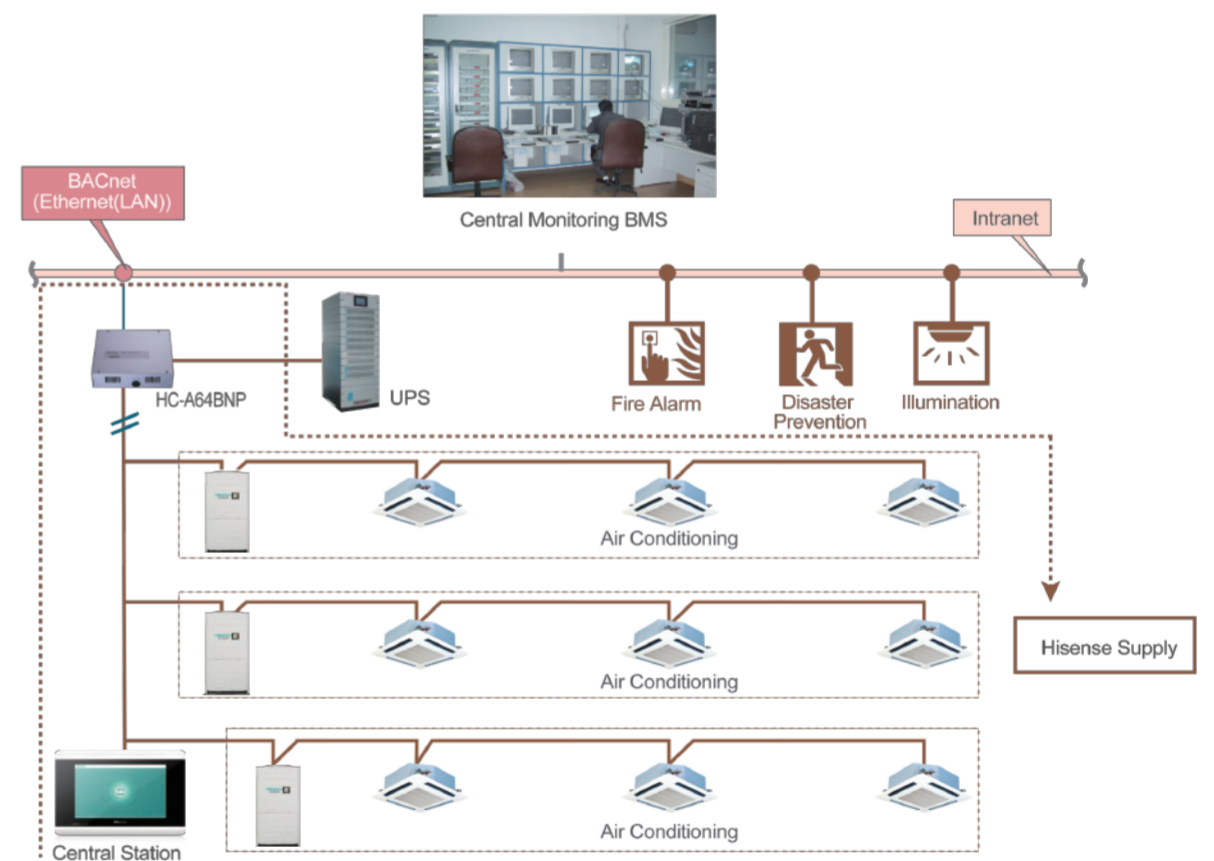
*The standard parts of this system includes the converter HYJE-H01H and the client control software HRM-G01 (it can be downloaded and installed in the APP STORE), The IPAD is the registered trademark of Apple Inc.

Building Management System

Compatible to multiple communication protocol of BACnet, MODBUS etc. Connectible to BMS or Smart Home System via HC-A64BNP or HCPC-H2M1C all of which can connect to Max. 64 indoor units.

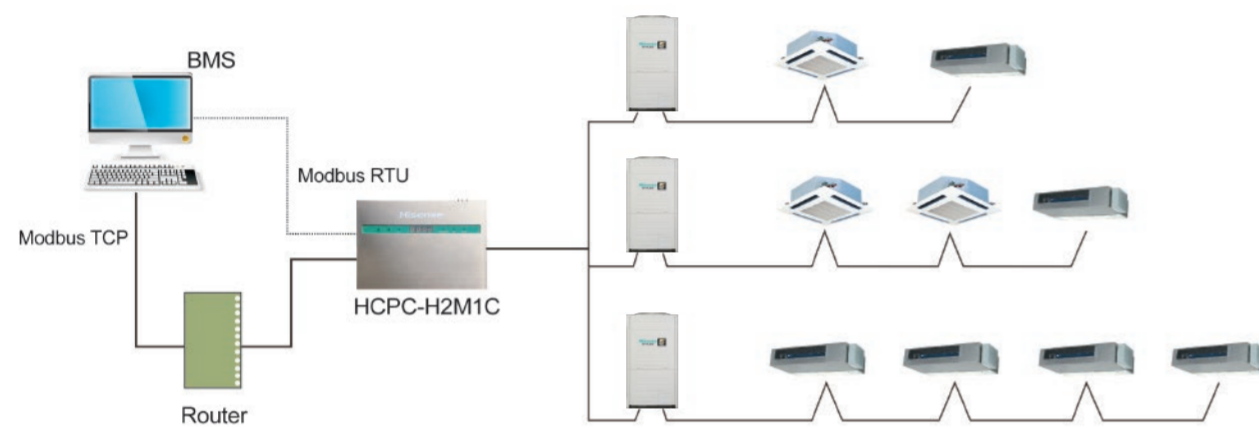
Real-time operation status monitoring for inquiry
Operation order from monitoring center

HC-A64BNP BACnet





- ◆ Running-state Monitoring / On-off Setting
- ◆ Operating Mode Setting
- ◆ Temperature Setting and Monitoring
- ◆ Airflow Setting and Monitoring
- ◆ Alarm Monitoring and Code Display
- ◆ Communication Failure Display
- ◆ Wireless Controller Permission/Prohibition
- ◆ Indoor Temp. Monitoring
- ◆ Filter Cleaning Prompting

HCPC-H2M1C Modbus



- ◆ On-Off Setting
- ◆ Operating Mode Setting
- ◆ Airflow Setting and Monitoring
- ◆ Wind Setting and Monitoring
- ◆ Temperature Setting
- ◆ Inlet Air Temp. Monitoring
- ◆ All Units On/Off Control
- ◆ Alarm Monitoring and Code Display

Converter Specifications

Item	HC-A64BNP	HCPC-H2M1C
Converter		
BMS connection	BACnet	Modbus
Power supply	AC100~240V±10%(60Hz)	AC100~240V±10%(60Hz)
Connectable central controller	HYJM-S01H	HYJM-S01H, Hi-Dom, HYJ-J01H
MAX.number of connectable indoor units	64	64
Dimension (LxWxH)	240mm×204mm×70mm	220mm×140mm×50mm

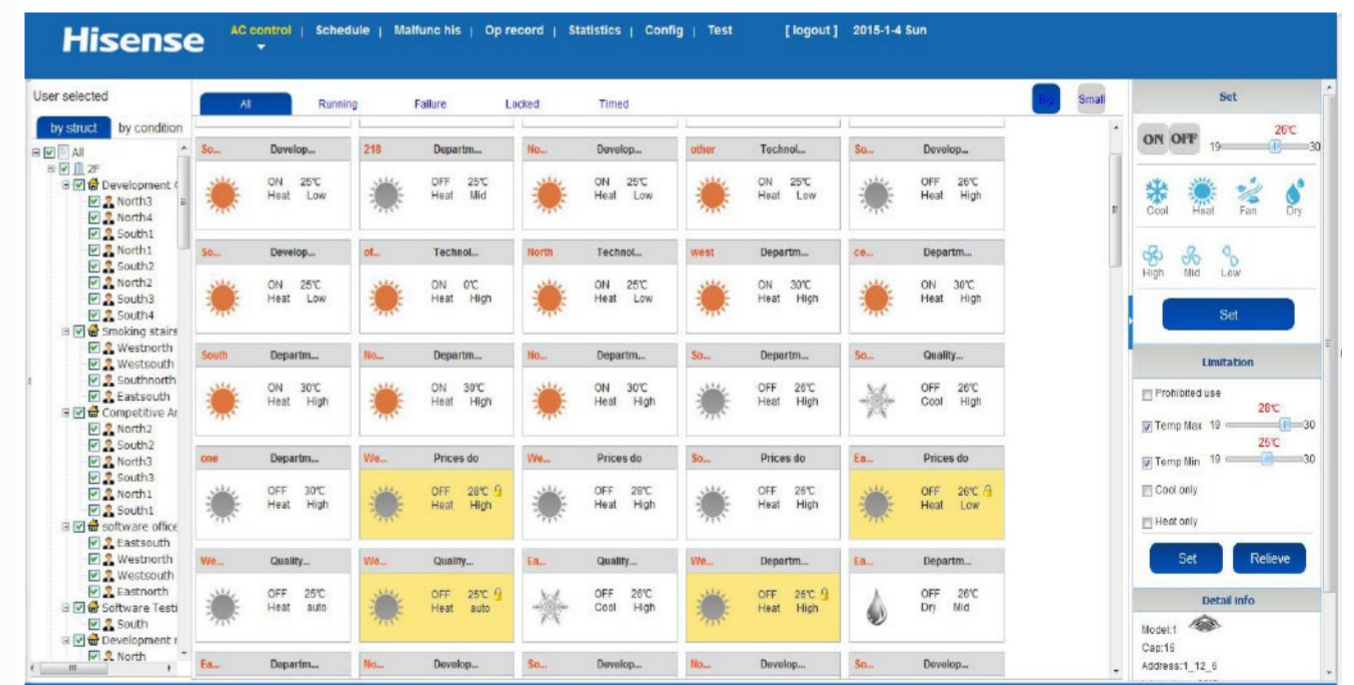
Hi-Dom Air Conditioning Management System

Centralized Control

Hi-Dom air conditioning management system adopts communication bus connection, air conditioning indoor units are connected to the computer through network converter; the system is all controlled automatically by a computer with powerful functions and simple operation. One single computer control system can manage 4,096 indoor units.

Main Functions

- ◆ Running-state Monitoring
- ◆ Determine the Temperature Limit
- ◆ Running Records Display
- ◆ Controller Prohibition Function
- ◆ Access Control
- ◆ Automatic Operation According to Settings
- ◆ Multifunction Alarm
- ◆ Service Monitoring

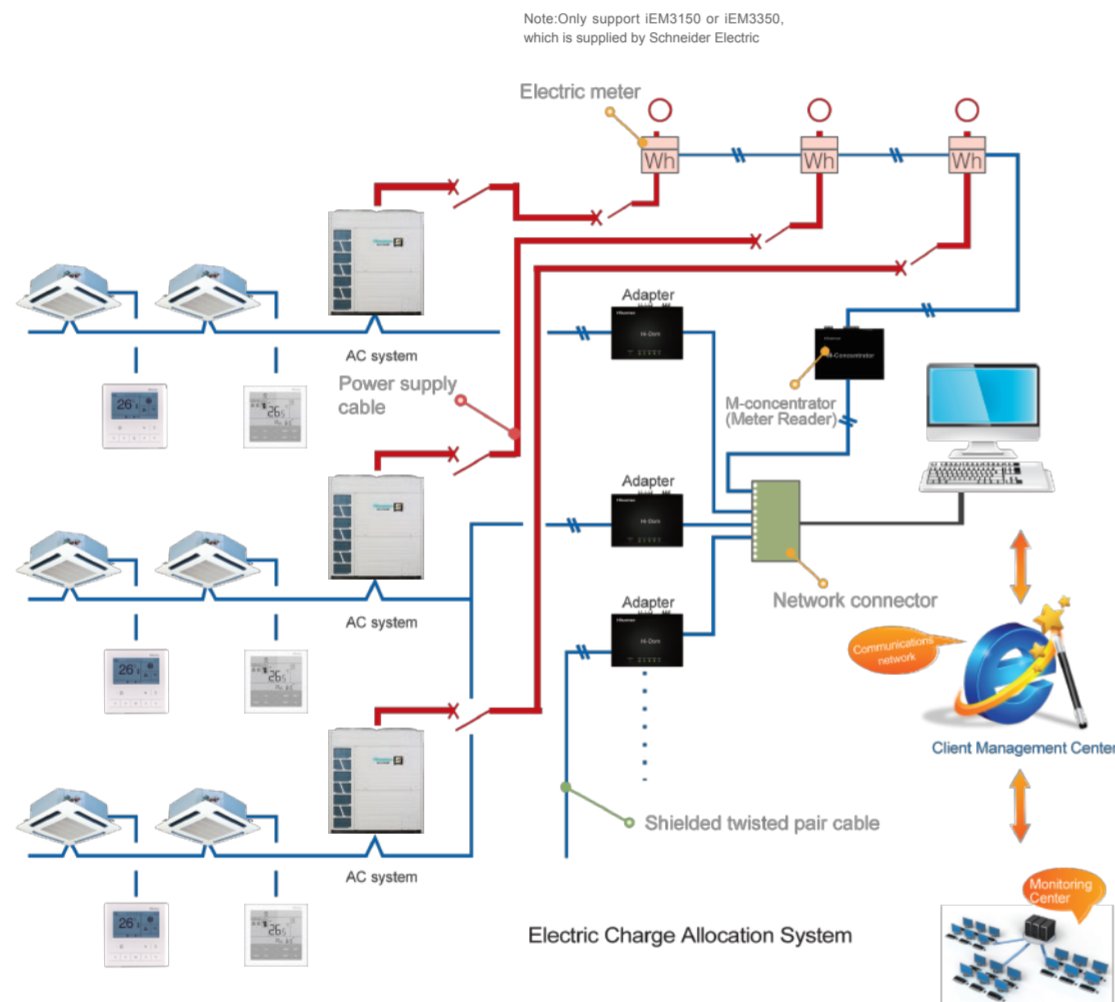


All the indoor units and outdoor units connected with one adapter comprise one communication BUS system .
Max.128 indoor units can be connected to an adapter
Max.32 adapters can be controlled by one computer.
Max.4096 indoor units are under control.

Electric Charge Allocation

Hi-Dom air conditioning management system consists of meter reading system and air conditioning management system. In accordance with the operation time and capacity output of indoor and outdoor units, the electric charge allocation software allocates the total power consumption to each indoor unit.

Note: Due to different laws and regulations in different regions, Hisense electrical charge calculation software need to customize processing in project according to the users' requirement.



Hi-Dom System Specifications

Adapter (Hi-Dom)	Model Name	Power Supply	Dimension(mm)	Charging Function
	HCCS-H128H2C1YM	DC 12V	180×110×40	With charging function
	HCCS-H128H2C1NM	DC 12V	180×110×40	Without charging function
	HCCS-H247R4C1E	DC 12V	180×110×40	—

Note: HCCS-H247R4C1E is an essential equipment for HCCS-H128H2C1YM to charging.

Filter

Ceiling Ducted Type(Slim)

Model	Applicable models	Picture
AVE-07~14*	HF-40L-ZFE	

Ceiling Ducted Type (Low&High Static Pressure)

Model	Applicable models	Picture
AVD-07~14*	KW-PP1Q	
AVD-17~24*	KW-PP2Q	
AVD-27~38*	KW-PP3Q	
AVD-48~54*	KW-PP4Q	
AVD-76*	HF-224L-FE	
AVD-96*	HF-280L-FE	

Ceiling Ducted Type (Low Height& DC Low Height)

Model	Applicable models	Picture
AVE-07~14*	KW-PP5Q	
AVE-17~24*	KW-PP6Q	

Drain Pump—Optional

Model	Power supply	Consumption	MAX. Lift (mm)	Applicable models	HPS-132/HPS-162	HPS-151
HPS-132	AC 220~240V(60Hz)	9±1.5 W	900	For Ceiling ducted type(0.8~2.5HP)		
HPS-162	AC 220~240V(60Hz)	9±1.5 W	900	For Ceiling ducted type(3.0~6.0HP)		
HPS-151	AC 220~240V(60Hz)	9±1.5 W	600	External type, for general purpose(0.8~10HP)		

3D Air-Flow Panel

Panel Model	Applicable Models	Outer Dimensions (H×W×D)	Interface Dimension (H×W×D)
HP-DB-NA	0.8~1.5HP	180×950×70	750×130
HP-EB-NA	1.8~2.5HP	180×1220×70	1020×130

Note: For Ceiling Ducted Type (DC Low-height)