

Reimagine your solution

Hisense

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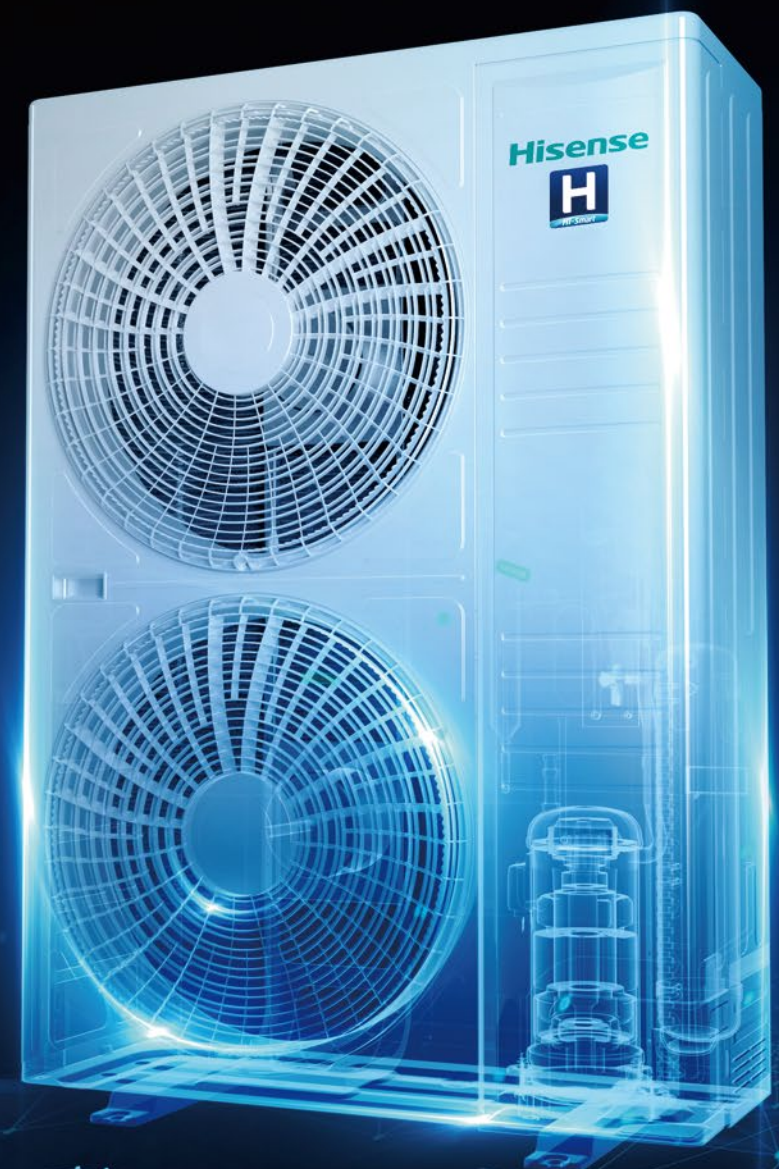
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Hisense VRF



Hi-Smart



SERIES

Why Hisense VRF?

BECAUSE IT...

- ▶ Adopts newest technology.
- ▶ Owns comprehensive product lineup.
- ▶ Maintains high efficiency performance with reliable quality.
- ▶ Assures convenient and fast transportation and installation.
- ▶ Meets intelligent control system.
- ▶ Serves as a local team of sale, technical supports and maintenance.
- ▶ Wins an excellent reputation all over the world.



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HIGH EFFICIENCY +

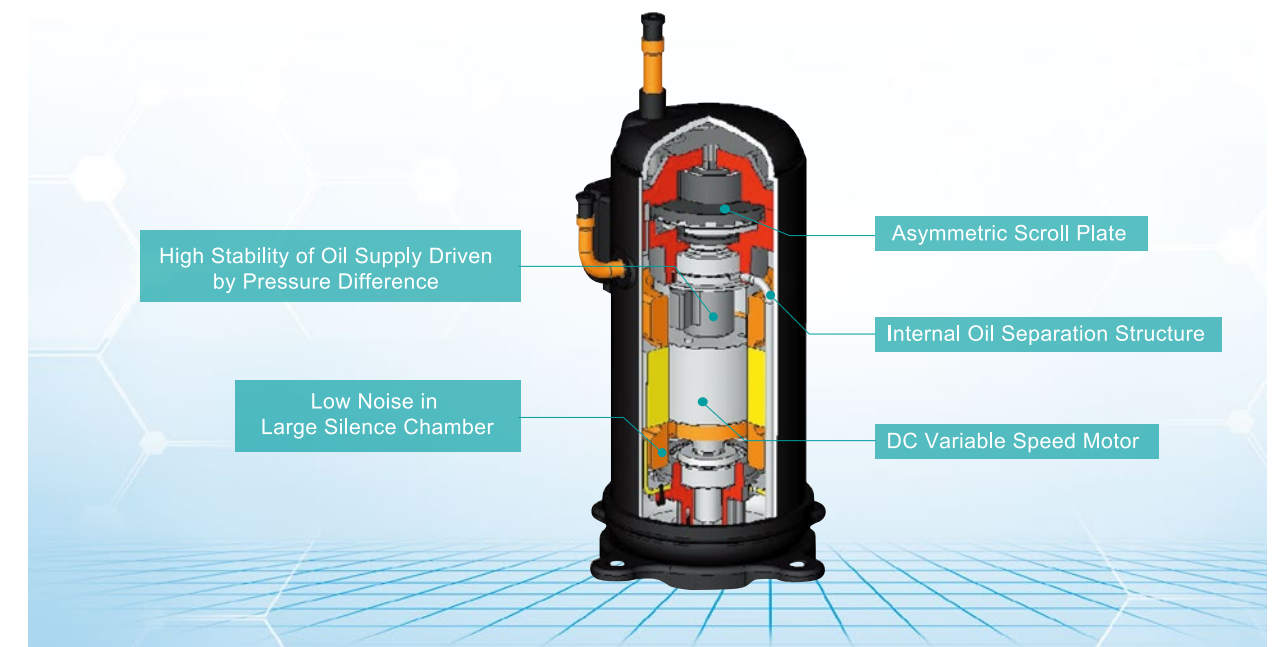
STRONG HEATING PERFORMANCE

Statistics shows that the central air conditioning consumes 40% to 60% energy of the entire building therefore energy-saving air-conditioning is essential for the modern building.



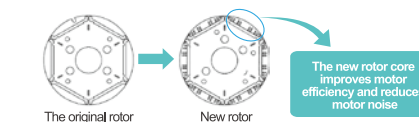
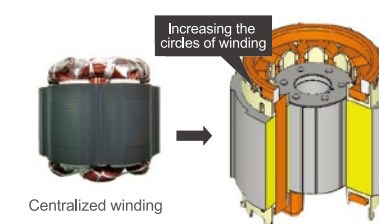
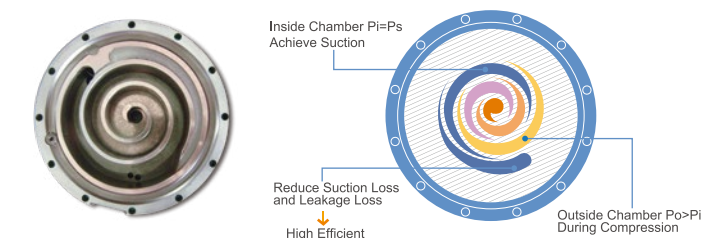
High-efficiency DC Inverter Compressor

High-efficiency full DC inverter compressor is used for products of Hisense Hi-Smart H Series, whose motor is more efficient and energy-saving. The compressor has a special anti-vibration structure design, ensuring stable operation, small vibration and a long service life. The design promotes the high reliability and low noise of outdoor unit, greatly improving user experience.



Asymmetrical Scroll Structure

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



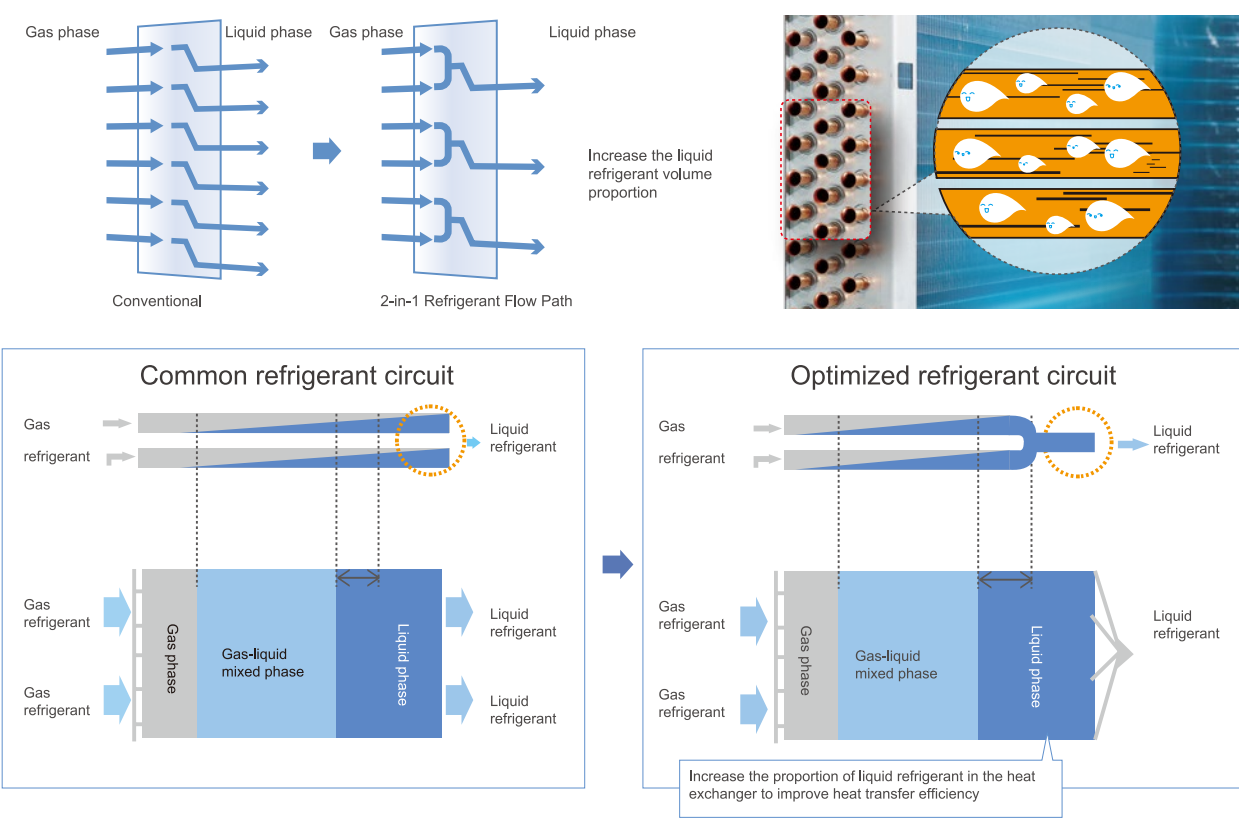
- The concentrated winding stator lowers the copper loss and increases higher compressor efficiency; the stator coil applies "keel motor" manufacturing technique to enhance the compressor COP, and to further enhance the compressor efficiency under low load.

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

New Heat Exchanger, More Efficient and Powerful

Optimized Refrigerant Circuit

Using high precision imported equipment, our Hisense manufactured heat exchangers are of the highest quality. The non-expansion tube technology avoids reduced lifetime reliability 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.



Latest 180° Sine Wave DC Variable Speed Driven Technology

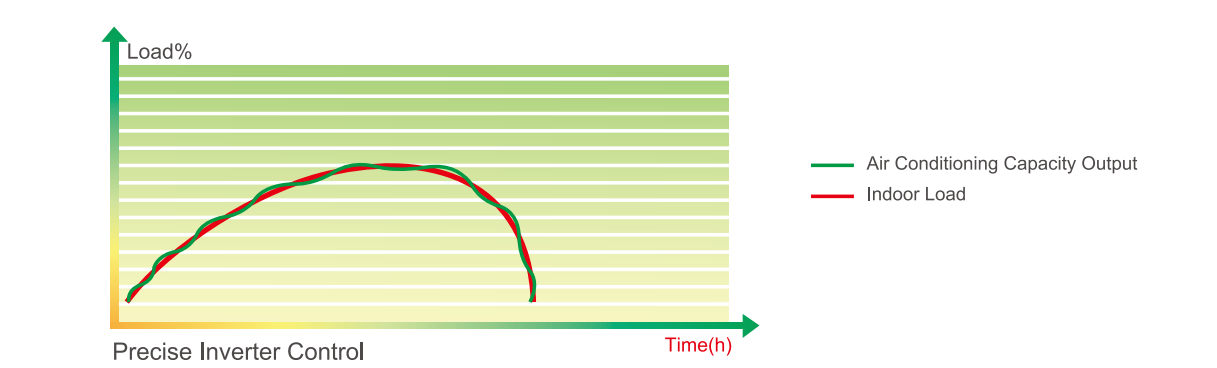
The industry's advanced inverter, which is the upgraded product of mainstream IGBT inverter, is adopted. Its small size and high precision, as well as the internal multiple protection controls (over voltage, under voltage, phase short-age, phase dislocation, overcurrent, overheating etc.), greatly improve the control accuracy and reliability of the inverter.



DC Frequency Inverter Technology in Compressor

Stepless Frequency Conversion Control Technology

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

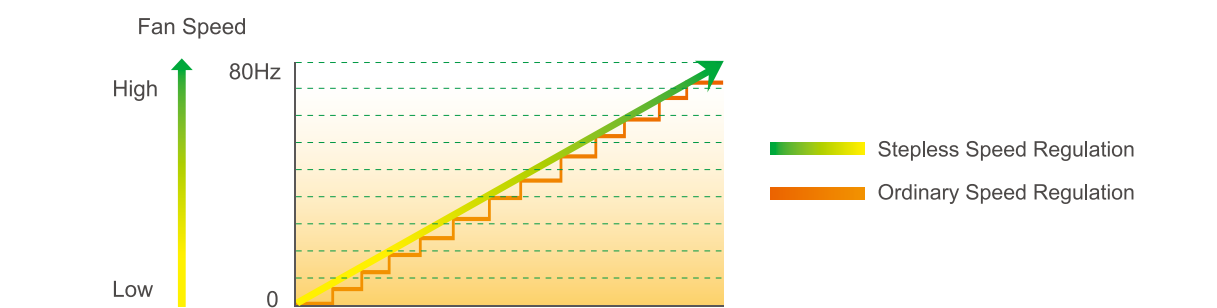


Fans of Outdoor Units with Variable Speed Control, More Efficient and More Stable

DC variable speed motor are 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 the fans carry out stepless speed control with high precision influenced by the environmental conditions and air conditioning load conditions therefore ensuring that the system runs more steadily and reliably.

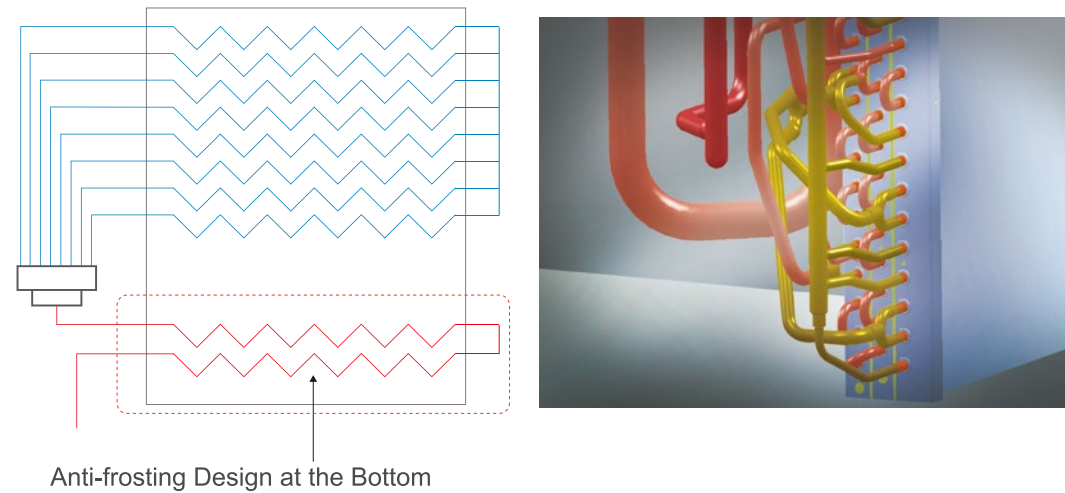
Stepless Frequency Conversion Speed Control of Fan

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.



New Anti-frosting Design at the Bottom

Advanced design of anti-frosting structure at the bottom of heat exchanger ensures the bottom of heat exchanger frost-free while heating operation. Also, when defrosting mode, the ice water mixture left on the fins can be fully heated to liquid, and can be discharged through the drain holes at the bottom, avoiding poor heating performance caused by frost accumulated on the coil.



STABLE OPERATION

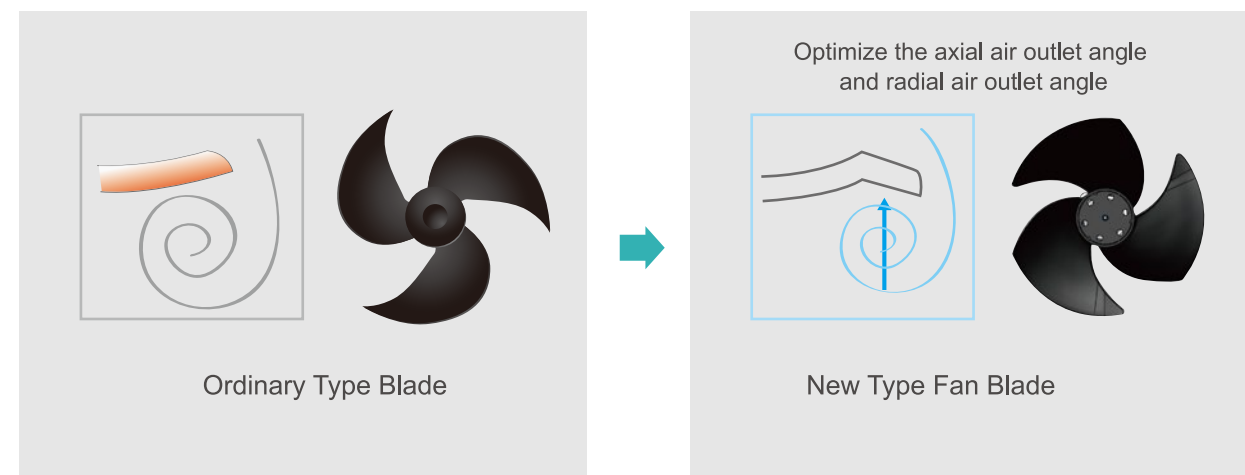
WITH HIGH INTELLIGENCE

Hisense Hi-Smart H Series has an innovative structure appearance. It applies a variety of intelligent technologies which achieves intelligent operation from component selection to unit operation.



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 materials with good sound-absorbing effect can significantly reduce the "buzzing".



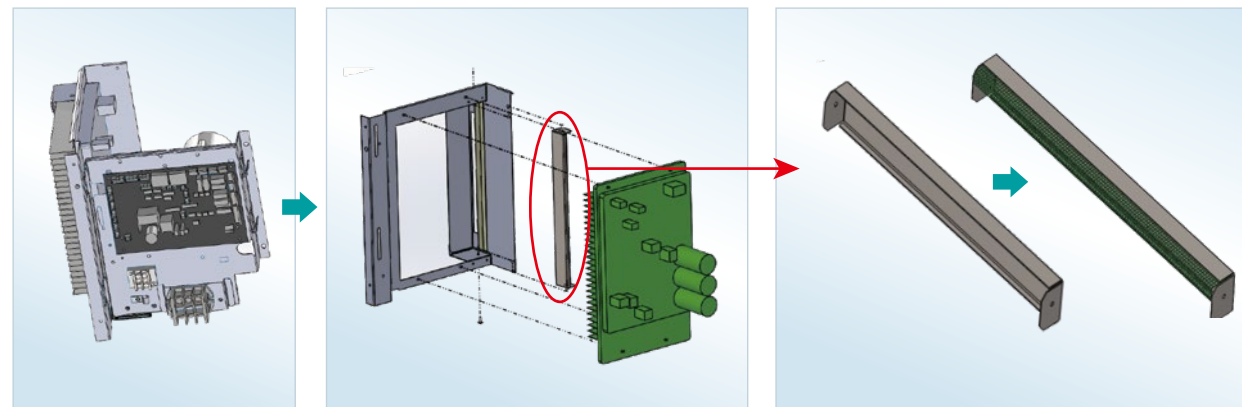
Aviation Level Design of Grilling

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



Electrical System Insect-resistant Design

Electrical system add insect-resistant design, effectively prevent insect damage to the electrical system, improve the electrical system.

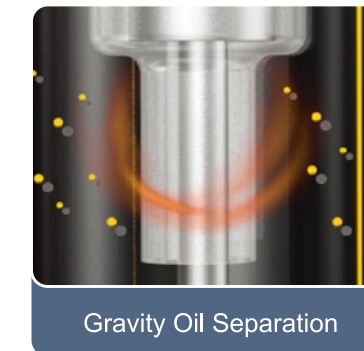


Multiple Oil Separation Circuits Ensuring High Efficiency and Reliability

Utilizing multiple oil separation technology, oil return and advanced system control the oil balance between outdoor units can be maintained ensuring the stable and reliable system operation with oil return of up to 99%.

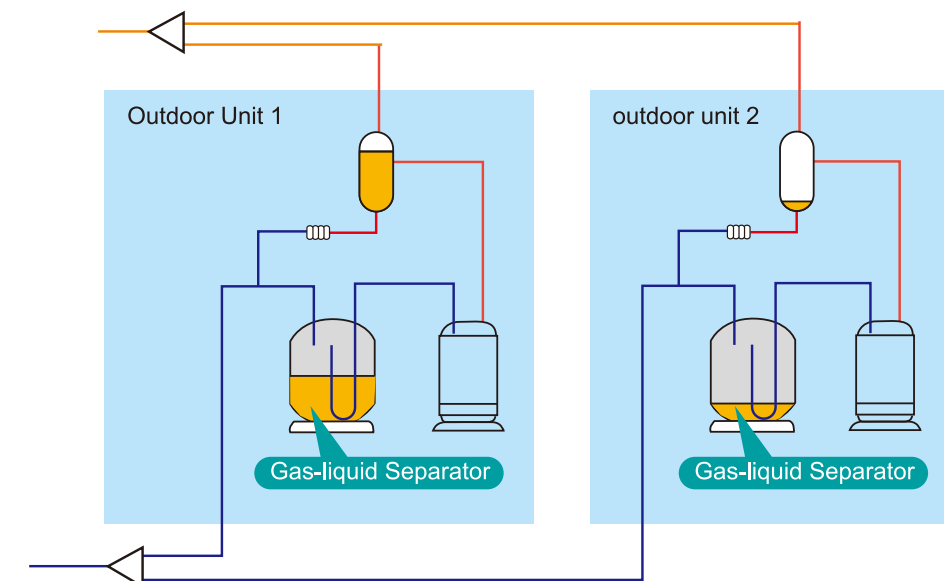
Multistage Oil Separation Technology

With multiple oil separation technology, through components such as barrier oil separation, centrifugal oil separation and gravity oil separation in the high-pressure chamber, industry leading internal multistage oil separation is carried out. Utilizing technology of oil supply through pressure differences and intelligent oil level control maintains a stable internal oil level with only a small amount of oil loss from the compressor. After the compressor, the small amount of oil discharged 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.



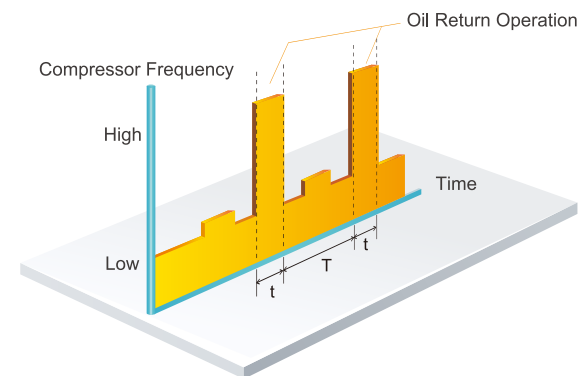
The First Stage Oil Return Control

Using porous oil return technology, the gas-liquid separator with a built-in high-efficiency fine mesh keeps 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 causing compressor failure 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.

Black PCB Board Design

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



Hisense PCB board:

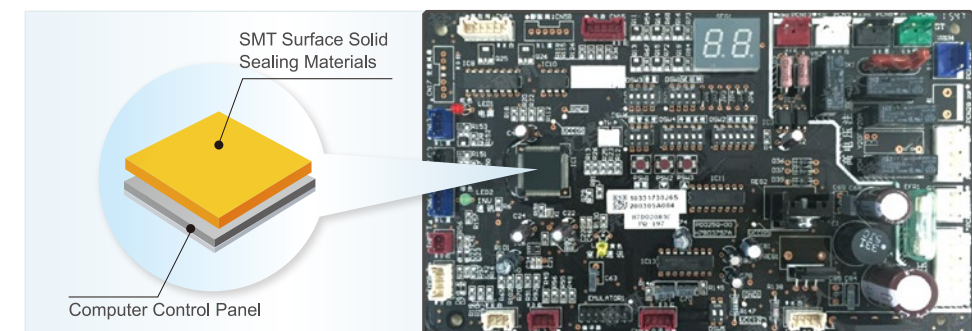
Epoxy resin composite substrate: double-sided printing, SMD welding, high strength, good weather resistance, great flame retardancy, high reliability, compact structure, small size.

Ordinary PCB board:

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

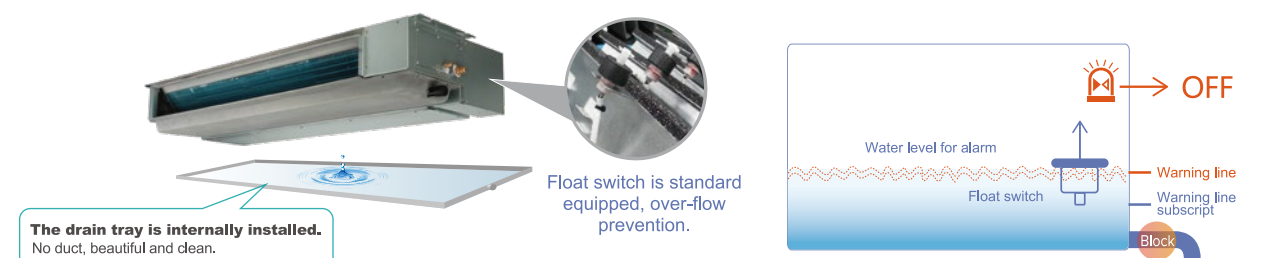
Control Panel of High Reliability

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.



Float Switch Design, Ensure Decoration Safety

The new float switch can monitor the water level of the water pan inside the indoor unit at any time. When the problems like blocked drainage, pump failure, insufficient slope and air block occur, the new float switch can quickly and automatically issue warning sign and stop the unit. As a result, the interior decoration can be protected from being soaked.



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

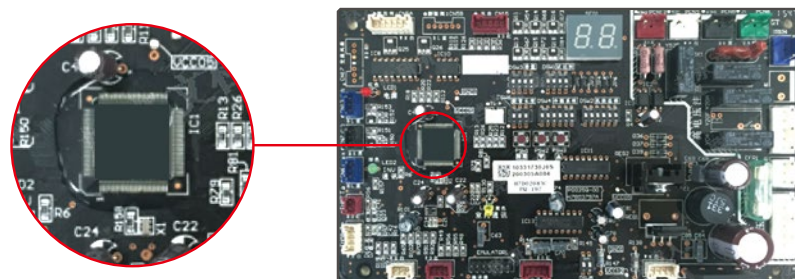
- Ventilator pressure protection
- Four-way valve protection
- Indoor and outdoor temperature protection
- Subcooling protection

Electric Protection

- Voltage phase failure
- Current protection
- Motor protection
- Protecting from lightning

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 determine the cause.



BEST COMFORT +

USER-FRIENDLY

In order to enhance user experience and pursue harmonious coexistence between human and ambient environment, Hisense H series focuses on improving the quality of the environment by handling and controlling air temperature, humidity, speed and air cleanliness. This will create a healthy and comfortable environment for all users.

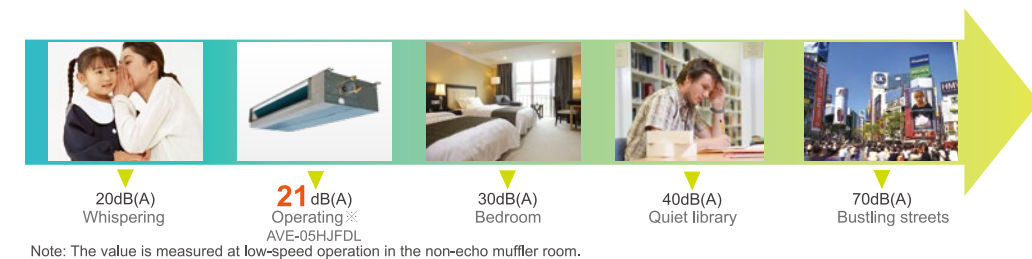
15 Mute Technologies Offer You A Quiet and Comfortable Environment

Advanced Mute Design, Ideal Mute Environment

At present, more and more people are beginning to pay attention to the quality of their living environment, which forms part of their high quality of life. Hisense central air conditioning systems are concerned about peoples physical and mental well being and therefore focus on creating the most comfortable environment by attentively creating a harmonious and healthy atmosphere.

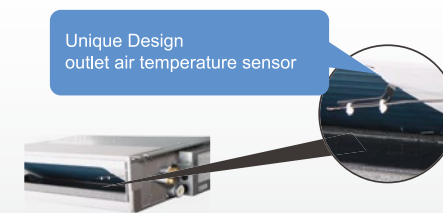
Noise Control of Indoor Unit

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



Precise Temperature Control

Multiple thermal probes in indoor unit to provide precise real-time temperature feedback.

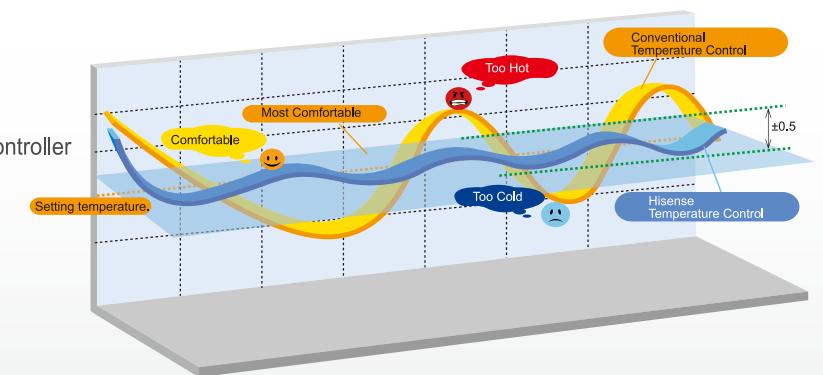


2000-step electronic expansion valve to ensure precise flow adjustment based on the actual load of Indoor Unit.



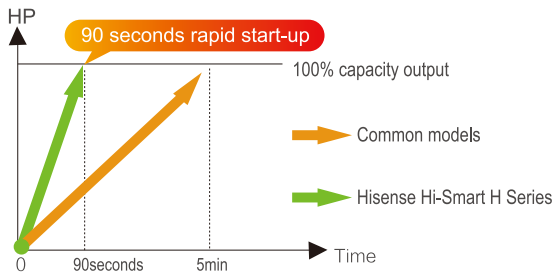
Precisely judge indoor temperature

- (1) Air return temperature sensor
- (2) Temperature sensor on wired remote controller
- (3) Based on the average value
Suitable for irregularly shaped room



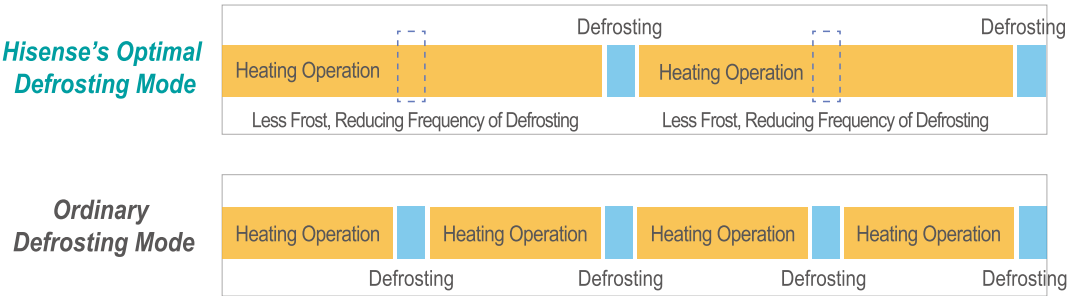
Rapid Heating Start-up

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.



Intelligent Defrosting, Efficient and Powerful Heating

Hisense Hi-Smart H Series upgrades its intelligent defrosting technology, optimizes the defrosting control, and has several defrosting modes which can be chosen for different regions to realize the best defrosting operation while shortening defrosting time and guaranteeing better heating performance. According to the temperature sensors placed on outdoor units and heat exchanger and pressure sensors placed on heat exchanger, the outdoor unit can turn to defrost mode based on variable parameters, at a accurate time. Also, the outdoor unit will not frost frequently, and the amount of frost in unit time significantly reduced, only accounting for 1/3 compared with ordinary defrost mode.



The ordinary defrost mode only refers to time, ambient temperature and temperature detected on the heat exchanger, while Hisense adopts pressure defrost mode, based on all above, innovatively introduced the pressure sensor to sense the pressure signal to defrost through variable parameters such as pressure, temperature and time parameters at best time.

Environmental Protection Concerns, Creating A Low-carbon Living Space

Environment-friendly Refrigerant

Hi-Smart H 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 clean 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



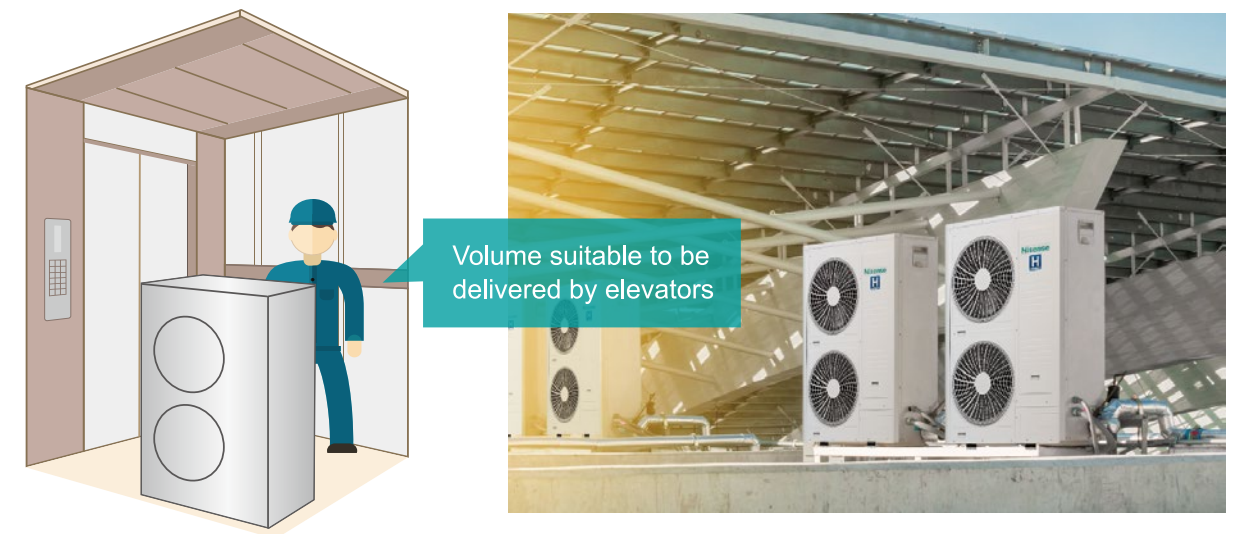
FLEXIBLE DESIGN AND INSTALLATION

WITH HIGH
INTELLIGENCE

Hisense Hi-Smart H Series has the flexibility design and installation which provide more convenience for users.

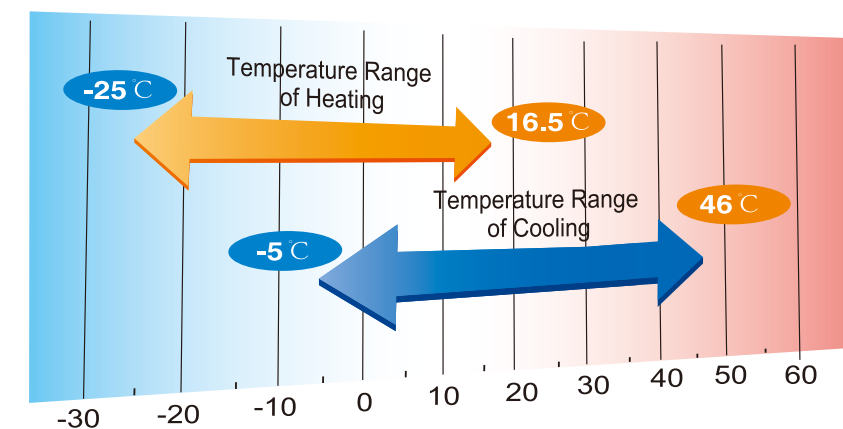
Compact Body and Light Weight, Making Transportation and Installation Easier

The largest size of module 12HP is only 1650mm×1100mm×390mm (height×width×depth), which can be delivered through freight elevator, making transportation and installation easier.



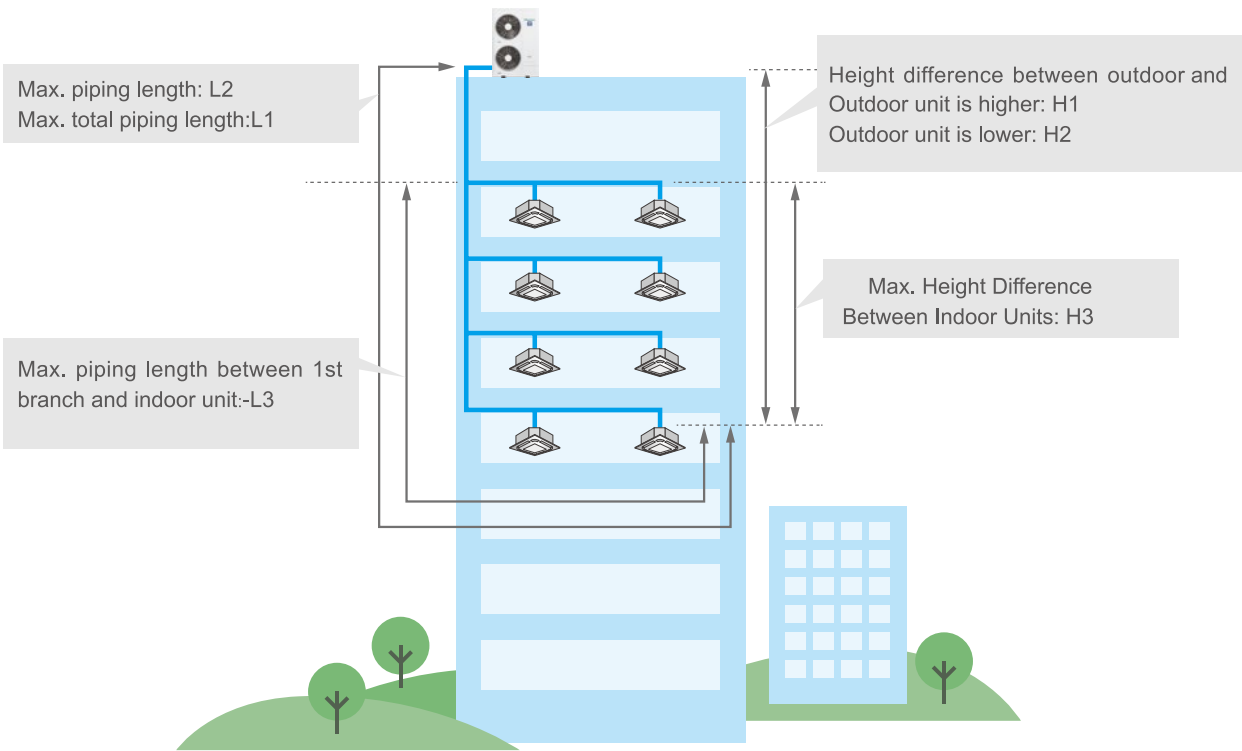
Wide Operating Range Meets Greater Demand

With a wide operating temperature range, the outdoor unit can operate from -25°C WB to 16.5°C WB. The heating effect in winter is strong, which perfectly meets the customers' needs in different environments. The unit is able to operate in -25°C ambient, when the unit is heating mode and also operate at 46°C ambient in cooling mode.






Flexible Refrigerant Piping Work

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

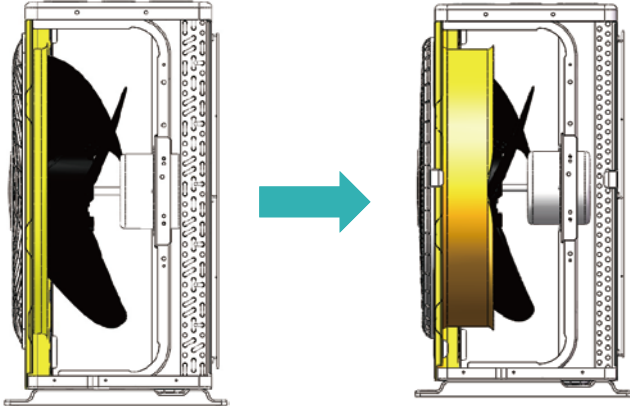


Note: For data marked by*, please contact with our professional engineer.

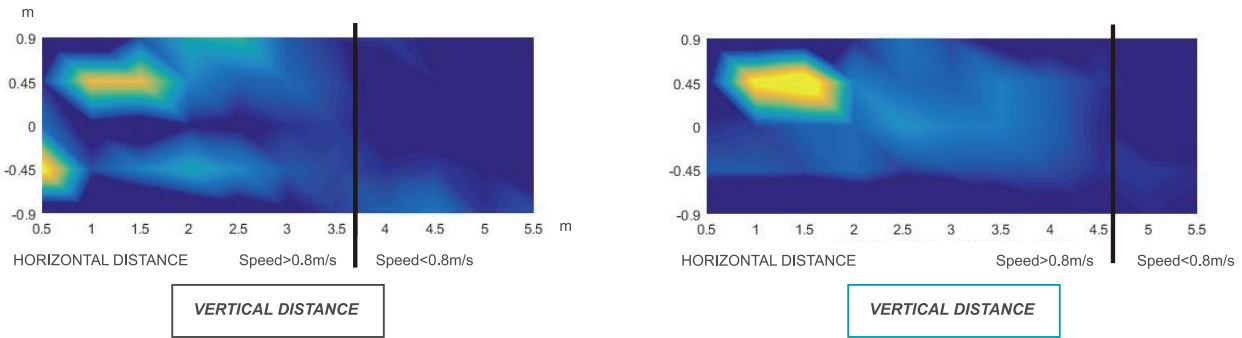
POWER SUPPLY		AC1Φ 220~240V 50/60Hz			AC3Φ 380~415V 50/60Hz		AC1Φ 220~240V 50/60Hz		AC3Φ 380~415V 50/60Hz		AC3Φ 380~415V 50/60Hz	
HP		3HP	4HP	5HP	5HP		4/5/6HP		5/6HP		8/10/12HP	
Picture												
Total piping length-L1		30	40	60	60		120		120		250	
longest length actual-L2		25	25	50	50		75		75		100	
Longest length after first branch-L3		10	15	20	20		30		30		40	
Level difference between indoor and outdoor unit up	Outdoor unit is higher-H1	20	20	20	30		30		30		50	
	Outdoor unit is lower-H2	20	20	20	20		30		30		40	
Level difference between indoor unit-H3		3.5	3.5	3.5	3.5		10		15		15	

Optimize Air Duct System Design

Optimized air duct system design, improve air supply distance, avoid short circuit of return air and improve heat exchange ability.



Similarly, the wind speed of 0.8m/s is taken as the critical judgment point. According to the measured results, the air supply distance of the grille before changing is 3.7m. The modified air supply distance was 4.6m, and the air supply distance was increased by about 24%.



Indoor Unit Power-down Emergency Maintenance

When a faulty indoor unit needs repairing, it can be powered off alone without affecting the entire system.



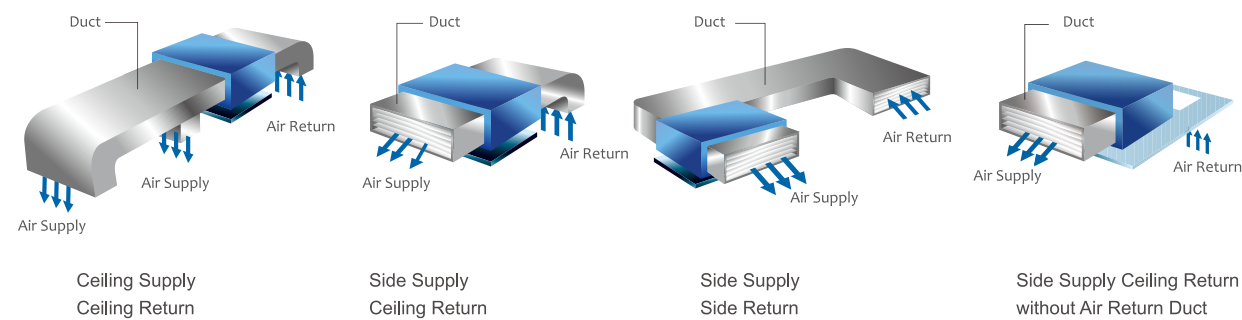
More Connected Indoor Unit

For one 12HP Hi-Smart H Series unit, the most connected indoor unit is 19, which effectively reduces the cost, enhances the installation flexibility and increases the range of application.



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

According to different construction structures and interior decoration of buildings, users can now select different duct layouts to suite recommended designer requests. The flexibility of return air applications allow Hisense to fit most interior decoration demands and meet all layout requirements.



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.



Refrigerant Automatic Judging

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

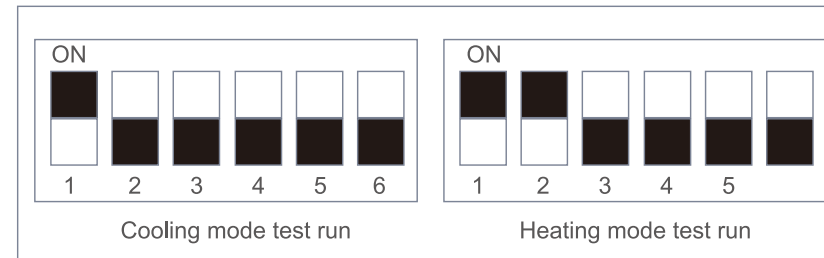


Advanced Commissioning Technology

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



Realizing test run through the controller at the indoor unit side

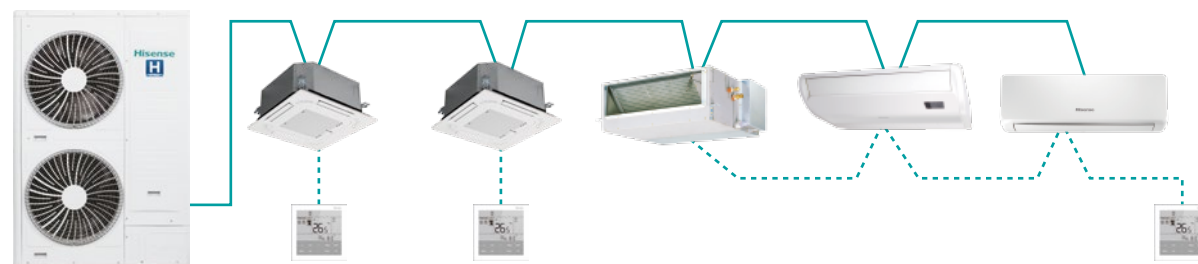


Realizing test run through the DIP-switch at the outdoor unit side.

- 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.

Wiring System Without Polarity

Hisense adopts no polarity twisted pair lines to make incorrect connections. In addition, saving time for installation.

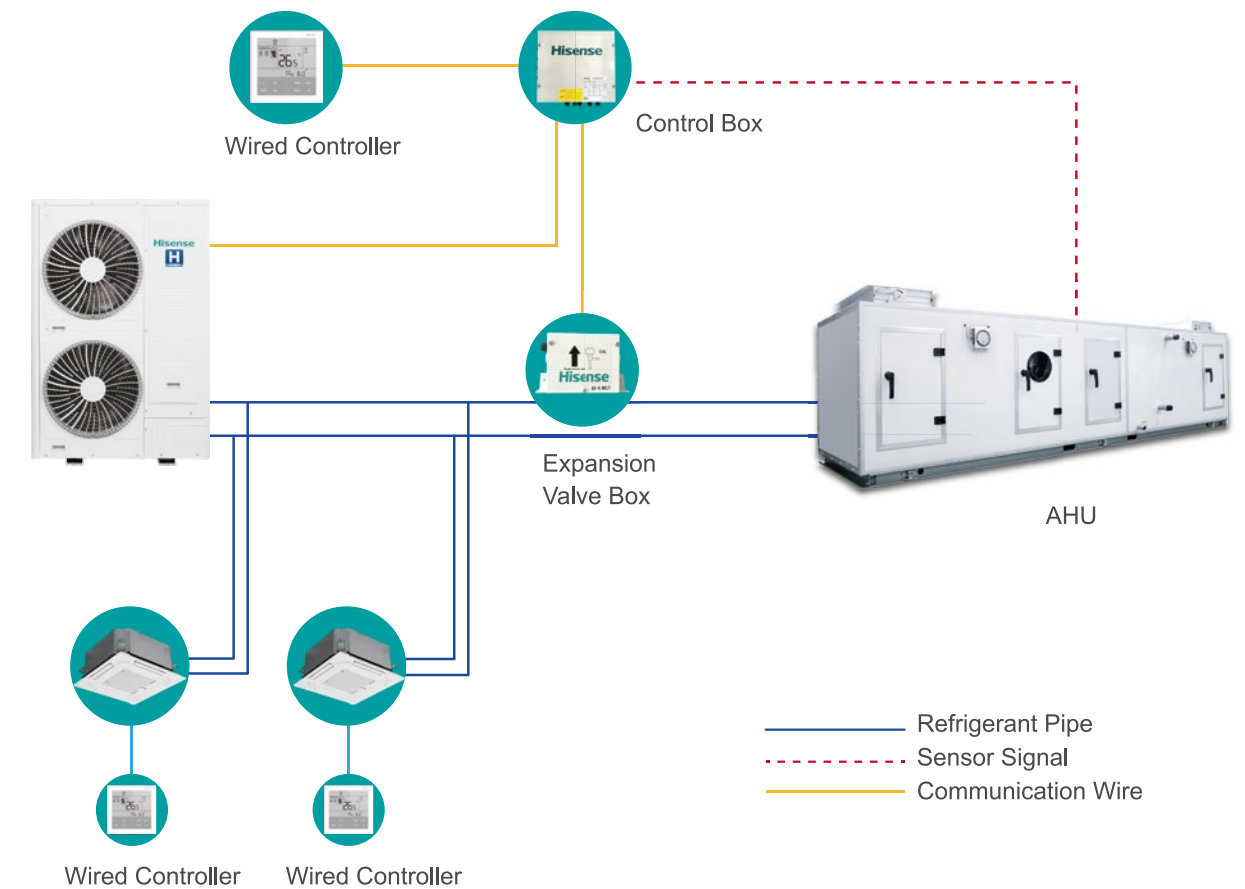


AHU-Kit Function

Connect AHU with AHU-Kit, provide high quality air for users.

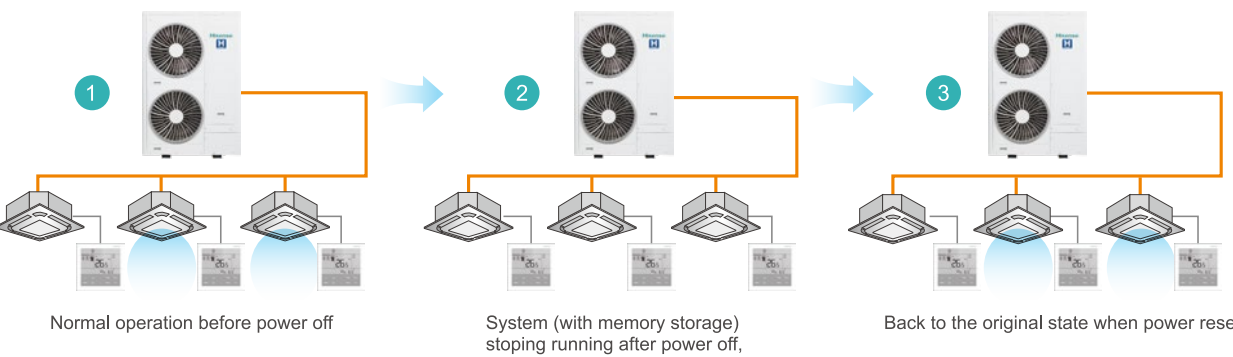


- When it is online, the connection can only be made by dragging and dropping, and the ratio must be 100%.
- The temperature control of return air and air outlet air can be satisfied and can be set by function selection.



Automatic Restart After Power Failure

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



Intelligent Unit Operation and Control

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.

Access Control

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

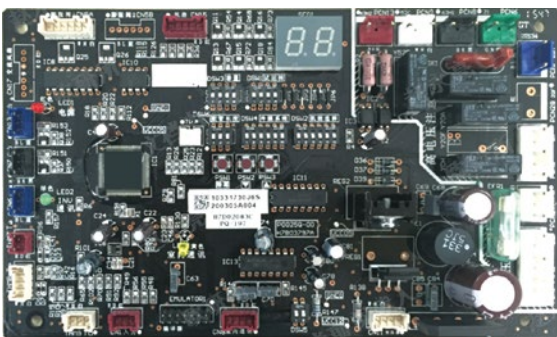


Fire Control Function

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.

Fault Parameters Display

The system automatically stores and displays the parameters of different diagnostics. 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, troubleshooting and maintenance.



Outdoor Unit Specifications



Model(HP)			3	4	5	5
Model			AVW-28HJFH	AVW-34HJFH	AVW-43HJFH	AVW-43HKFH
Power Supply		-	AC1Φ 220~240V 50/60Hz			AC3Φ 380~415V 50/60Hz
Cooling Operation	Nominal Capacity	kBtu/h	27.3	34.1	42.7	42.7
		kW	8.0	10.0	12.5	12.5
	Power Consumption	kW	1.93	2.34	2.98	3.81
	EER	kW/kW	4.15	4.27	4.19	3.28
Heating Operation	Nominal Capacity	kBtu/h	32.4	38.2	47.8	47.8
		kW	9.5	11.2	14.0	14.0
	Power Consumption	kW	2.37	3.01	4.15	3.68
	COP	kW/kW	4.01	3.72	3.37	3.80
Air Flow Rate		m³/min	46.5	69.0	78.0	75.0
Out Dimension(H×W×D)		mm	800×950×370	800×950×370	800×950×370	800×950×370
Packing Dimension(H×W×D)		mm	930×1025×460	930×1025×460	930×1025×460	930×1025×460
Net Weight		kg	65	73	78	84
Gross Weight		kg	72	81	86	96
Refrigerant Piping	Liquid Line	mm(in.)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)
	Gas Line	mm(in.)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)
Max. number of connectable IDU		-	5	6	8	8
Sound Pressure Level (Cooling/Heating)		dB(A)	50/52	53/55	54/57	55/57
Operation Range	Cooling	℃ DB	-5~46			
	Heating	℃ WB	-15~15.5			-15~15.5
Branch Pipe		-	HFQ-052F			
Compressor Type		-	Rotary			Scroll

Notes:

Rated cooling capacity and rated heating capacity are tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m

Outdoor Unit Specifications



Model(HP)			4	5	6	5	6
Model			AVW-38HJFH	AVW-48HJFH	AVW-54HJFH	AVW-48HKFH	AVW-54HKFH
Power Supply		-	AC1Φ 220~240V 50/60Hz			AC3Φ 380~415V 50/60Hz	
Cooling Operation	Nominal Capacity	kBtu/h	38.2	47.8	52.9	47.8	52.9
		kW	11.2	14.0	15.5	14.0	15.5
	Power Consumption	kW	2.60	3.46	4.21	3.92	4.44
	EER	kW/kW	4.31	4.05	3.68	3.57	3.49
Heating Operation	Nominal Capacity	kBtu/h	42.7	54.6	61.4	54.6	61.4
		kW	12.5	16.0	18.0	16.0	18.0
	Power Consumption	kW	2.78	3.71	4.47	4.03	4.74
	COP	kW/kW	4.50	4.31	4.03	3.97	3.80
Air Flow Rate		m³/min	90.0	90.0	100.0	90.0	100.0
Out Dimension(H×W×D)		mm	1380×950×370	1380×950×370	1380×950×370	1380×950×370	1380×950×370
Packing Dimension(H×W×D)		mm	1520×1025×460	1520×1025×460	1520×1025×460	1520×1025×460	1520×1025×460
Net Weight		kg	93	95	97	103	103
Gross Weight		kg	111	111	111	118	118
Refrigerant Piping	Liquid Line	mm(in.)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)	Φ9.53(3/8)
	Gas Line	mm(in.)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)
Max. number of connectable IDU		-	9	11	11	11	11
Sound Pressure Level (Cooling/Heating)		dB(A)	50/52	52/54	53/55	48/50	50/52
Operation Range	Cooling	℃ DB	-5~46				
	Heating	℃ WB	-20~15.5				
Branch Pipe		-	HFQ-052F				
Compressor Type		-	Rotary			Scroll	

Notes:

Rated cooling capacity and rated heating capacity are tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m

Outdoor Unit Specifications



Model(HP)			8	10	12	8	10	12
Model			AVW-76HKFH	AVW-96HKFH	AVW-114HKFH	AVW-76H9FH	AVW-96H9FH	AVW-114H9FH
Power Supply		-	AC3Φ 380~415V 50/60Hz			AC3Φ 220V 60Hz		
Cooling Operation	Nominal Capacity	kBtu/h	76.5	95.6	114.3	76.5	95.6	114.3
		kW	22.4	28.0	33.5	22.4	28.0	33.5
	Power Consumption	kW	6.36	7.80	10.60	6.30	8.30	10.70
	EER	kW/kW	3.52	3.59	3.16	3.56	3.37	3.13
Heating Operation	Nominal Capacity	kBtu/h	85.3	107.5	128	85.3	107.5	128
		kW	25.0	31.5	37.5	25.0	31.5	37.5
	Power Consumption	kW	5.81	7.00	10.11	5.9	7.8	9.9
	COP	kW/kW	4.30	4.50	3.71	4.24	4.04	3.79
Air Flow Rate		m³/min	150.0	163.0	163.0	121	150	163
Out Dimension(H×W×D)		mm	1650×1100×390	1650×1100×390	1650×1100×390	1650×1100×390	1650×1100×390	1650×1100×390
Packing Dimension(H×W×D)		mm	1748×1151×500	1748×1151×500	1748×1151×500	1748×1151×500	1748×1151×500	1748×1151×500
Net Weight		kg	160	170	170	168	168	171
Gross Weight		kg	179	194	194	179	179	182
Refrigerant Piping	Liquid Line	mm(in.)	Φ12.7(1/2)	Φ12.7(1/2)	Φ12.7(1/2)	Φ9.53(3/8)	Φ12.7(1/2)	Φ12.7(1/2)
	Gas Line	mm(in.)	Φ22.2(7/8)	Φ25.4(1/1)	Φ25.4(1/1)	Φ19.05(3/4)	Φ22.2(7/8)	Φ25.4(1/1)
Max. number of connectable IDU		-	15	17	19	10	10	10
Sound Pressure Level (Cooling/Heating)		dB(A)	58/60	59/61	59/61	53/55	56/58	56/61
Operation Range	Cooling	℃ DB	-5~46					
	Heating	℃ WB	-20~15.5					
Branch Pipe		-	HFQ-162F					
Compressor Type		-	Scroll					

Notes:

Rated cooling capacity and rated heating capacity are tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m

Hisense Hi-Smart H 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	10
kBTu/h		5	7	9	12	14	17	19	22	24	27	30	38	48	54	76	96
1-Way Cassette Type																	
2-Way Cassette Type																	
4-Way Cassette Type																	
Mini 4-Way Cassette Type																	
Ceiling Ducted Type (High Static Pressure)																	
Ceiling Ducted Type (Low Static Pressure)																	
Ceiling Ducted Type (AC Low-height)																	
Ceiling Ducted Type (DC Low-height)																	
Ceiling & Floor Type																	
Wall Mounted Type																	
Floor Concealed Type																	
Console 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.

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
Noise 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	mm	192	192	192	192	192	192
	W	mm	910	910	910	910	1,180	1,180
	D	mm	470	470	470	470	470	470
Net Weight		kg	19	19	20	20	24	24
Air Flow Rate		m³/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		W	40	40	40	40	60	60
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 Φ32)					
Panel Model			HP-D-NA	HP-D-NA	HP-D-NA	HP-D-NA	HP-E-NA	HP-E-NA
Cabinet Color			Neutral White					
Panel Outer Dimensions	H	mm	55	55	55	55	55	55
	W	mm	1,100	1,100	1,100	1,100	1,370	1,370
	D	mm	550	550	550	550	550	550
Net Weight		kg	5	5	5	5	6	6

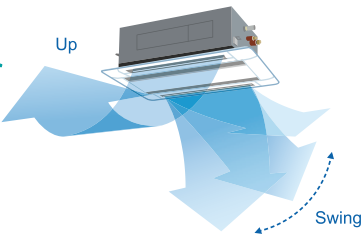
NOTES: 1. The nominal cooling capacity is based on the following conditions:
Indoor Air Inlet Temperature: 27°C DB (80°F DB), 19.0°C WB(66.2°F WB) Outdoor Air Inlet Temperature: 35°C DB(95°F DB) Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on the following conditions:
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.

Super Compact Structure Design, Easy for Installation

Standard Equipped Drain Pump

The maximum drainage height up to 1200mm.

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.

Fresh Air Introducing

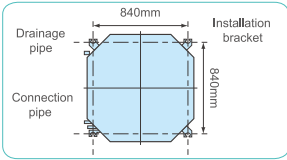
The unit can introduce fresh air from the external environment. With the filter facility, the air quality is ensured.



4-Way Cassette Type

Installation Direction Can be Changed Easily for ConvenientPipe Connection

Squared design for unit body and installation bracket, unit body can be installed in any direction horizontally for convenient pipe connect position.



User-friendly air supply mode

- a. The unit has the breeze mode that provides miniature draft through the holes at the four flat corners.
- b. The 4 air louvers can be controlled independently and 6 air speed adjustments are available to meet various requirement.

These functions can be achieved by the wired controllers: HYXE-J01H, HYXE-VA01, HYXM-VB01.

Motion Sensor (Optional)

The indoor unit will automatically set through Motion Sensor.

This function can be achieved by the wired controllers: HYXE-J01H, HYXE-VA01, HYXM-VB01, HYXE-M01H

Standard Equipped Drain Pump

Standard equipped drain pump with 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
Noise 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	mm	298	298	298	298	298	298	298	298	298	298	298
	W	mm	860	860	860	860	860	860	860	860	1,420	1,420	1,420
	D	mm	630	630	630	630	630	630	630	630	630	630	630
Net Weight		kg	22	22	22	24	24	24	24	24	39	39	39
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 /1,386/1,188	2,100/1,848 /1,614/1,266	2,220/1,950 /1,704/1,446
Motor Power			57	57	57	57	57	57	57	57	57x2	57x2	57x2
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										
Panel Outer Dimensions	H	mm	30	30	30	30	30	30	30	30	30	30	30
	W	mm	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,660	1,660	1,660
	D	mm	710	710	710	710	710	710	710	710	710	710	710
Net Weight		kg	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.5	10.5	10.5

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.

Indoor unit			4-Way Cassette Type										
Model Power Supply		AC1Φ, 220~240V/ 50Hz(60Hz)	AVBC-09 HJFKA	AVBC-12 HJFKA	AVBC-15 HJFKA	AVBC-19 HJFKA	AVBC-22 HJFKA	AVBC-24 HJFKA	AVBC-27 HJFKA	AVBC-30 HJFKA	AVBC-38 HJFKA	AVBC-48 HJFKA	AVBC-54 HJFKA
Nominal Cooling Capacity		kW	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
		kcal/h	2,400	3,100	3,900	4,800	5,400	6,100	6,900	7,700	9,600	12,000	13,800
		Btu/h	9,600	12,300	15,400	19,100	21,500	24,200	27,300	30,700	38,200	47,800	54,600
Nominal Heating Capacity		kW	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
		kcal/h	2,500	3,400	4,300	5,400	6,100	5,900	7,700	8,600	10,800	13,800	15,500
		Btu/h	9,900	13,600	17,100	21,500	24,200	27,300	30,700	34,100	42,700	54,600	61,400
Noise Level		dB(A)	30/28/28/27 /26/26	32/29/29/28 /27/26	33/31/29/29 /27/26	34/31/30/28 /28/26	36/33/32/31 /29/28	36/33/32/31 /29/28	37/36/35/33 /31/30	37/36/35/33 /31/30	42/40/38/36 /34/33	46/44/40/38 /36/34	46/44/41/40 /38/36
Outer Dimensions	H	mm	238	238	238	238	238	238	288	288	288	288	288
	W	mm	840	840	840	840	840	840	840	840	840	840	840
	D	mm	840	840	840	840	840	840	840	840	840	840	840
Net Weight		kg	20	20	21	21	23	23	26	26	26	26	26
Air Flow Rate		m³/h	876/804/720 /648/600/528	990/840/768 /708/648/546	1,212/960/894 /816/762/672	1,320/1,050/954 /930/816/750	1,530/1,200/1098 /1,020/906/780	1,602/1,260/1,146 /1,080/978/882	1,572/1,320/1,218 /1,122/1,008/924	1,572/1,380/1,242 /1,176/1,062/966	2,160/1,800/1,644 /1,488/1,344/1,176	2,166/2,010/1,776 /1,632/1,452/1,344	2,166/2,040/1,842 /1,734/1,536/1,428
Motor Power		W	60	60	60	60	60	60	60	60	127	127	127
Piping Connections			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	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25(Outer Diameter Φ32mm)										
Panel Model			HP-G-NK										
Cabinet Color			Neutral White										
Panel Outer Dimensions	H	mm	47	47	47	47	47	47	47	47	47	47	47
	W	mm	950	950	950	950	950	950	950	950	950	950	950
	D	mm	950	950	950	950	950	950	950	950	950	950	950
Net Weight		kg	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Packing Volume		m³	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110	0.110

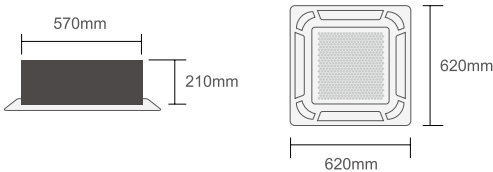
NOTES: 1.The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°CWB(66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation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



Mini 4-Way Cassette Type

Mini Design

The unit thickness is merely 215mm leading in the industry and the ceiling height required for installation is only 245mm. It is extremely space saving. New appearance of the air return grille is honeycomb structure.



User-friendly air supply mode

- a.The unit has the breeze mode that provides miniature draft through the holes at the four flat corners.
 - b.The 4 air louvers can be controlled independently and 4 air speed adjustments are available to meet various requirement.
- These functions can be achieved by the wired controllers: HYXE-J01H,HYXE-VA01,HYXM-VB01.

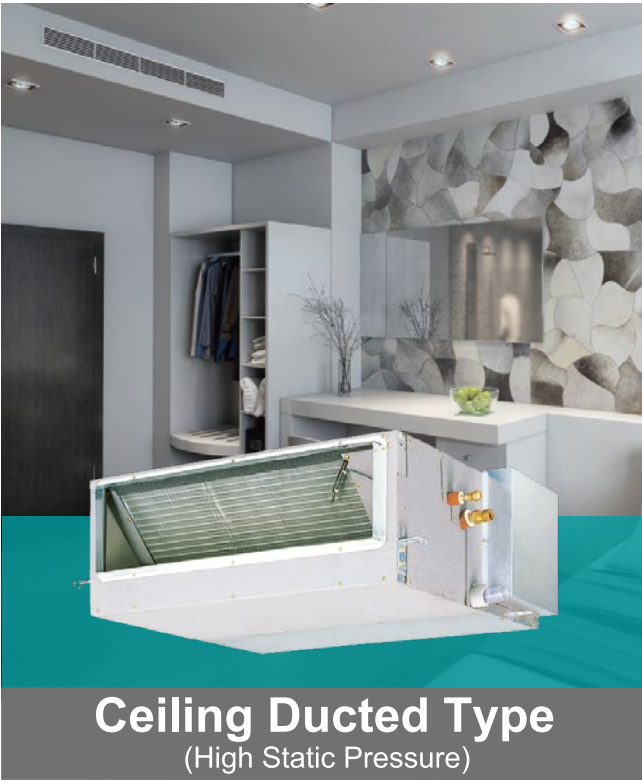
Motion Sensor (Optional)

The indoor unit will automatically set through Motion Sensor.

This function can be achieved by the wired controllers: HYXE-J01H,HYXE-VA01,HYXM-VB01,HYXE-M01H

Standard Equipped Drain Pump

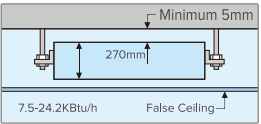
Standard equipped drain pump with the maximum drainage height up to 1200mm.



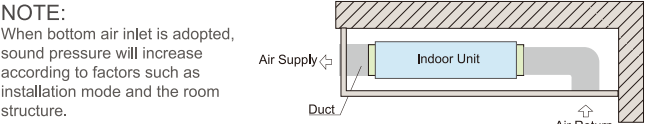
Ceiling Ducted Type
(High Static Pressure)

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



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		Mini 4-Way Cassette Type						
Model Power Supply	AC1Φ, 220~240V/50Hz(60Hz)	AVC-05HJFA	AVC-07HJFA	AVC-09HJFA	AVC-12HJFA	AVC-15HJFA	AVC-17HJFA	AVC-19HJFA
Nominal Cooling Capacity	kW	1.5	2.2	2.8	3.6	4.5	5.0	5.6
	kcal/h	1,300	1,900	2,400	3,100	3,800	4,300	4,800
	Btu/h	5,100	7,480	9,520	12,240	15,300	17,000	19,040
Nominal Heating Capacity	kW	2.0	2.5	3.3	4.2	5.0	5.6	6.3
	kcal/h	1,700	2,100	2,800	3,600	4,300	4,800	5,400
	Btu/h	6,800	8,500	11,220	14,280	17,000	19,040	21,420
Noise Level	dB(A)	30/29/28/26	30/29/28/26	32/30/28/26	34/32/29/26	38/36/31/28	42/39/36/31	45/42/38/34
Outer Dimensions	H	mm	215	215	215	215	215	215
	W	mm	570	570	570	570	570	570
	D	mm	570	570	570	570	570	570
Net Weight	kg	14.5	14.5	14.8	14.8	15.8	15.8	15.8
Air Flow Rate	m³/h	430/390/370/335	430/390/370/335	470/430/390/350	490/430/390/350	560/524/424/400	660/570/524/424	750/650/560/480
	W	57	57	57	57	57	57	57
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
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Condensate Drain		VP25(Outer Diameter Φ32mm)						
Panel Model		HPE-D-NK						
Cabinet Color		Neutral White						
Panel Outer Dimensions	H	mm	37	37	37	37	37	37
	W	mm	620	620	620	620	620	620
	D	mm	620	620	620	620	620	620
Net Weight	kg	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Packing Volume	m³	0.046	0.046	0.046	0.046	0.046	0.046	0.046

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)

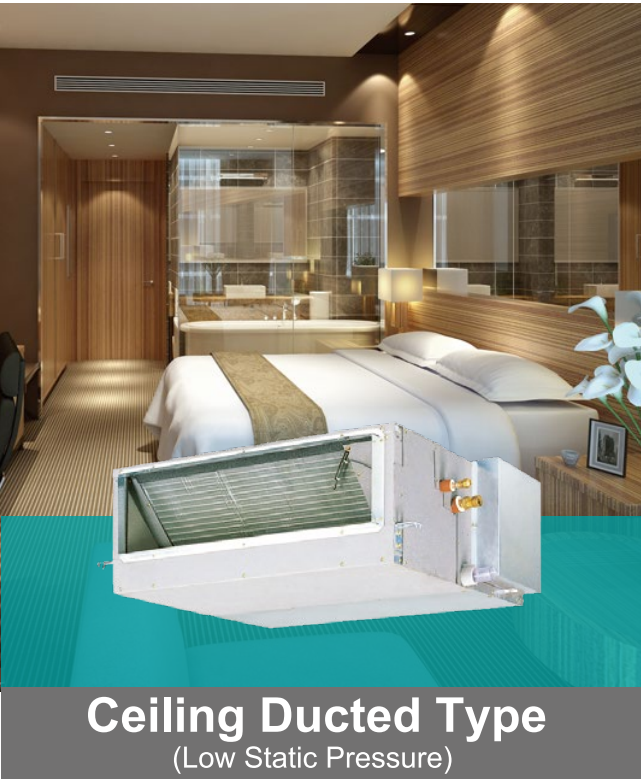
2.The sound pressure level is based on the following conditions:
1.5m beneath the unit.
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

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 UXCSDH	AVD-54 UXCSDH	AVD-76 UX6SEH*1	AVD-96 UX6SFH*1	
	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 UX2SFH*2	AVD-96 UX2SFH*2	
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	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	720	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.

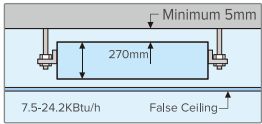
3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.
*1: AC3Φ, 380V/60Hz: AVD- 76UX7SEH; AVD-96UX7SFH



Ceiling Ducted Type
(Low Static Pressure)

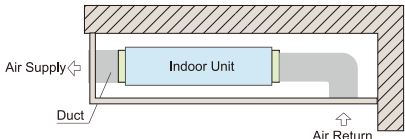
Installation Space-saving

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

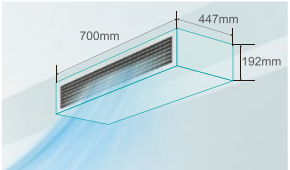
Drain pump can be supplied as optional part.



Ceiling Ducted Type
(AC Low-height)

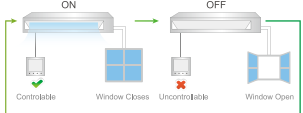
Installation Space-saving

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



Window contact design

The operation condition of the unit links with the window status through the window sensor and the Hisense indoor unit input function. This function saves energy and the automatic switch setting provides convenience for users.

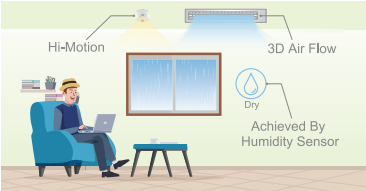


Standard Equipped Drain Pump

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

More Choice of the Optional Module

The unit can be controlled automatically through the Hi-Motion. Humidity sensor achieves the automatic dehumidification. 3D air flow provides more comfortable air supply mode.



Indoor unit		Ceiling Ducted type (Low Static Pressure)															
Model Power Supply	AC1Φ, 220~240V/50Hz	AVD-07 UXC SAL	AVD-09 UXC SAL	AVD-12 UXC SAL	AVD-14 UXC SAL	AVD-17 UXC SBL	AVD-18 UXC SBL	AVD-22 UXC SBL	AVD-24 UXC SBL	AVD-27 UXC SCL	AVD-30 UXC SCL	AVD-38 UXC SCL	AVD-48 UXC SCL	AVD-54 UXC SCL	AVD-76 UXC SCL	AVD-96 UXC SCL	AVD-96 UXC SCL
	AC1Φ, 220V/60Hz	AVD-07 UX2 SAL	AVD-09 UX2 SAL	AVD-12 UX2 SAL	AVD-14 UX2 SAL	AVD-17 UX2 SBL	AVD-18 UX2 SBL	AVD-22 UX2 SBL	AVD-24 UX2 SBL	AVD-27 UX2 SCL	AVD-30 UX2 SCL	AVD-38 UX2 SCL	AVD-48 UX2 SCL	AVD-54 UX2 SCL	AVD-76 UX2 SCL	AVD-96 UX2 SCL	AVD-96 UX2 SCL
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	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	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	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	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	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	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	52
	H	mm	270	270	270	270	270	270	270	350	350	350	350	350	470	470	470
Outer Dimensions	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	1250
	D	mm	720	720	720	720	720	720	720	800	800	800	800	800	1120	1120	1120
Net Weight	kg	25	25	25	25	34	34	34	34	44	44	44	56	56	94	106	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	1550/1350 /1150	1550/1350 /1150	1550/1350 /1150	2150/1800 /1500	2200/1900 /1500	3480	4320	4320
Motor Power	W	110	110	150	150	150	150	150	190	300	300	300	430	430	950	1120	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	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	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	100
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	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)

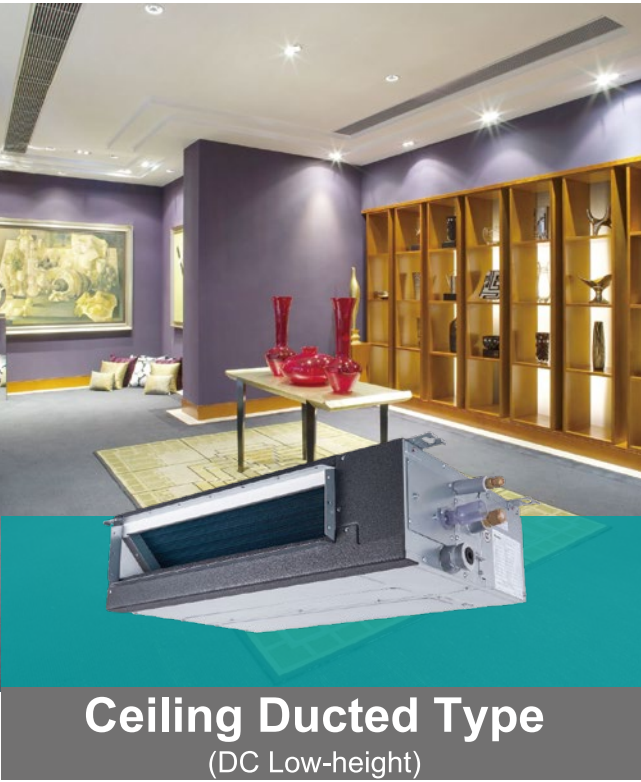
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
With discharge duct (2.0m) and return duct(1.0m)
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.
*1: AC3p, 380V/60Hz: AVD- 76UX7SEH; AVD-96UX7SFH

Indoor unit	Ceiling Ducted Type (AC Low-height)									
Model Power supply	AC 1Φ, 220~240V /50Hz	AVE-05HCFL	AVE-07HCFL	AVE-09HCFL	AVE-12HCFL	AVE-15HCFL	AVE-17HCFL	AVE-19HCFL	AVE-22HCFL	AVE-24HCFL
Nominal Cooling Capacity	kW	1.7	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1
	kcal/h	1,500	1,900	2,400	3,100	3,900	4,300	4,800	5,400	6,100
	Btu/h	5,800	7,500	9,600	12,300	15,300	17,100	19,100	21,500	24,200
Nominal Heating Capacity	kW	1.9	2.5	3.2	4.0	5.0	5.6	6.3	7.1	8.0
	kcal/h	1,700	2,100	2,700	3,450	4,300	4,800	5,400	6,100	6,800
	Btu/h	6,500	8,500	11,300	13,600	17,100	19,100	21,500	24,200	27,300
Noise Level (Hi/Me/Lo)	Sound Pressure-dB(A)	29/24/22	29/24/22	35/25/23	35/25/23	36/25/23	36/25/23	35/25/23	39/26/25	39/26/25
Outer Dimensions	H	mm	192	192	192	192	192	192	192	192
	W	mm	700	700	700	700	910	910	1,180	1,180
	D	mm	447	447	447	447	447	447	447	447
Net Weight	kg	16	16	17	17	21	21	25	26	26
Air Flow Rate (Hi/Me/Lo)	m³/h	420/330/282	420/330/282	540/342/288	540/342/288	720/378/330	720/378/330	810/480/462	1,080/558/522	1,080/558/522
Motor Power	W	14	14	29	29	35	35	40	60	60
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	Φ12.7	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		VP25(Outer Diameter Ø32mm)								
External Pressure	Pa	10(30)								
Approximate Packing Measurement	m³	0.15	0.15	0.15	0.15	0.18	0.18	0.22	0.22	0.22

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)

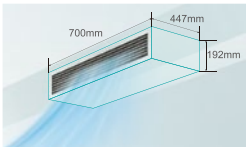
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.
When bottom air inlet is adopted, the sound pressure will increase according to factors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



Ceiling Ducted Type
(DC Low-height)

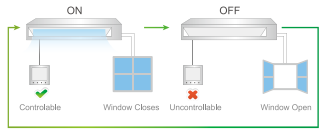
Installation Space-saving

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



Window contact design

The operation condition of the unit links with the window status through the window sensor and the Hisense indoor unit input function. This function saves energy and the automatic switch setting provides convenience for users.

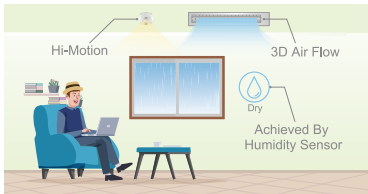


Standard Equipped Drain Pump

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

More Choice of the Optional Module

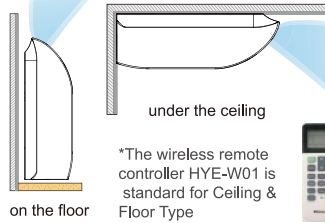
The unit can be controlled automatically through the Hi-Motion. Humidity sensor achieves the automatic dehumidification. 3D air flow provides more comfortable air supply mode.



Ceiling & Floor Type

Flexible Installation

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

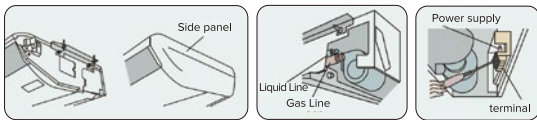


New Fashion Design Appearance and High Quality

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.



Intelligent 3D Air Flow

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

Indoor unit	Ceiling Ducted Type (DC Low-height)									
Model Power supply	AC 1Φ,220V~240V /50Hz(60Hz)	AVE-05HJFDL	AVE-07HJFDL	AVE-09HJFDL	AVE-12HJFDL	AVE-15HJFDL	AVE-17HJFDL	AVE-19HJFDL	AVE-22HJFDL	AVE-24HJFDL
Nominal Cooling Capacity	kW	1.7	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1
	kcal/h	1,500	1,900	2,400	3,100	3,900	4,300	4,800	5,400	6,100
	Btu/h	5,800	7,500	9,600	12,300	15,300	17,100	19,100	21,500	24,200
Nominal Heating Capacity	kW	1.9	2.5	3.2	4.0	5.0	5.6	6.3	7.1	8.0
	kcal/h	1,700	2,100	2,700	3,450	4,300	4,800	5,400	6,100	6,800
	Btu/h	6,500	8,500	11,300	13,600	17,100	19,100	21,500	24,200	27,300
Noise Level	Sound Pressure- dB(A)	28/27/26/24/23/21	28/27/26/24/23/21	35/32/32/30/26/23	35/32/32/30/26/23	35/32/32/30/26/23	35/32/32/30/26/23	35/32/30/28/25/23	38/36/35/33/31/24	38/36/35/33/31/24
Outer Dimensions	H	mm	192	192	192	192	192	192	192	192
	W	mm	700	700	700	700	910	910	1,180	1,180
	D	mm	447	447	447	447	447	447	447	447
Net Weight	kg	16	16	17	17	20	20	24	24	24
Air Flow Rate	m³/h	420/390/366/342/318/288	420/390/366/342/318/288	540/486/438/402/354/312	540/486/438/402/354/312	720/648/564/486/408/330	720/648/564/486/408/330	810/750/672/600/528/462	1,080/966/858/738/630/522	1,080/966/858/738/630/522
Motor Power	W	40	40	40	40	40	40	60	60	60
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	Φ12.7	Φ15.88	Φ15.88	Φ15.88
Condensate Drain	VP25(Outer Diameter Ø32mm)									
External Pressure	Pa	10(0-10-30)								
Approximate Packing Measurement	m³	0.15	0.15	0.15	0.15	0.18	0.18	0.22	0.22	0.22

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 & Floor Type									
Model Power Supply	AC1Φ 220V~240V 50Hz/60Hz	AVV-17URSCA	AVV-18URSCA	AVV-22URSCA	AVV-24URSCA	AVV-27URSCB	AVV-30URSCB	AVV-38URSCB	AVV-48URSCC	
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)	m³/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	H	mm	230	230	230	230	230	230	230	
	W	mm	990	990	990	990	1,285	1,285	1,580	
	D	mm	680	680	680	680	680	680	680	
Net Weight	kg	31	31	32	32	39	40	41	47	
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)									
Speed-up Setting HH1	m³/h	852	852	1,068	1,068	1,188	1,272	1,620	2,160	
Speed-up Setting HH2	m³/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.



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.



*The wireless remote controller HYE-W01 is standard for Wall Mounted Type.

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.

The Sleep Mode Offers Comfortable Temperature for People to Enjoy Good Sleep

The sleep mode can be kept for 8 hours. The setting temperature can be adjusted automatically for your comfort.

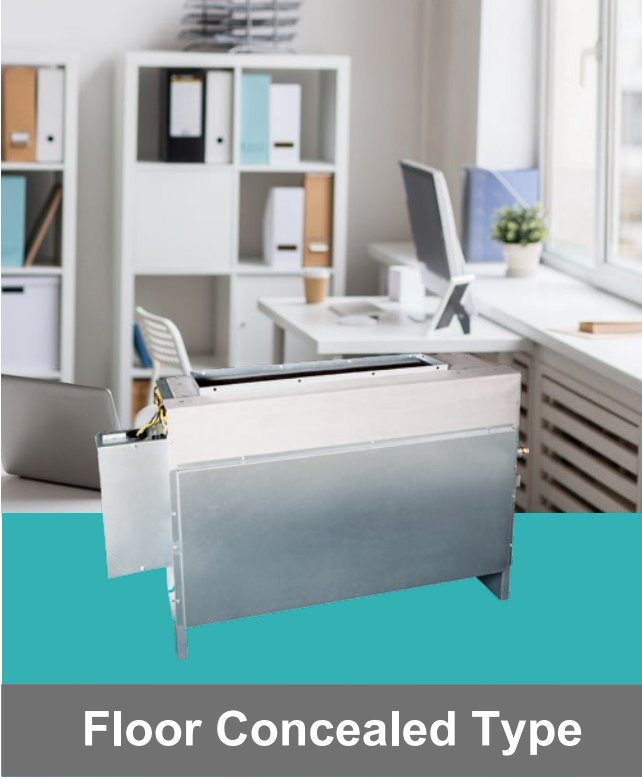
Quiet Operation for Super Low Sound Level

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		Wall Mounted Type							
Model Power Supply	AC1Φ220V~240V/50Hz AC1Φ220V/60Hz	AVS-07URCSABA	AVS-09URCSABA	AVS-12URCSABA	AVS-14URCSABA	AVS-17URCSABA	AVS-18URCSBBA	AVS-22URCSBBA	AVS-24URCSBBA
		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
Air Flow Rate (High/Medium/Low/Mute)	m³/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
Noise 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
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 Diameter Φ32)							
Outer Dimensions	H	mm	315	315	315	315	315	315	315
	W	mm	960	960	960	960	960	1,120	1,120
	D	mm	230	230	230	230	230	230	230
Packing Volume	m³	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.



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)		m³/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		m³	0.19	0.19	0.23	0.23

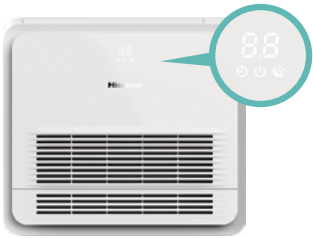
NOTES: 1.The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°C WB(66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation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



New Appearance Design

The unit adopts the fashionable appearance with suspension flat design and realizes digital display function.



The unit can be controlled automatically through the Hi-Motion.

This function can be achieved by the wired controller: HYPE-J01H*,HYXM-VB01*

Humidity sensor achieves the automatic dehumidification.

This function can be achieved by the wired controller: HYPE-J01H*,HYPE-VA01,HYXM-VB01*,HYPE-M01H

High Efficiency and More Options

DC Fan motor realizes high efficiency with 6 air flow speed adjustments to provide more options for customers.

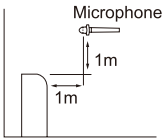


*The wireless remote controller HYE-W01 is standard for Console Type.

Indoor unit	Console Type						
Model Power Supply	AC1Φ, 220~240V/50Hz (60Hz)	AVK-05HJFCAA	AVK-07HJFCAA	AVK-09HJFCAA	AVK-12HJFCAA	AVK-15HJFCAA	AVK-17HJFCAA
Nominal Cooling Capacity	kW	1.5	2.2	2.8	3.6	4.5	5.0
	kcal/h	1,300	1,900	2,400	3,100	3,800	4,300
	Btu/h	5,100	7,500	9,600	12,300	15,300	17,000
Nominal Heating Capacity	kW	2.0	2.5	3.3	4.2	5.0	5.6
	kcal/h	1,700	2,100	2,800	3,600	4,300	4,800
	Btu/h	6,800	8,500	11,200	14,300	17,000	19,100
Noise Level (HH2/HH1/Hi/Me/Lo/Slo)	dB(A)	32/30/29/28/26/24	34/32/31/29/27/26	36/35/32/31/29/27	39/36/34/31/29/27	41/39/37/35/33/32	44/43/41/39/37/36
Outer Dimensions	H	mm	630	630	630	630	630
	W	mm	700	700	700	700	700
	D	mm	225	225	225	225	225
Net Weight	kg	16.1	16.1	16.1	17.4	17.4	17.4
Air Flow Rate (HH2/HH1/Hi/Me/Lo/Slo)	m³/h	360/342/318 /306/282/270	444/420/384 /360/336/318	480/444/420 /384/360/336	492/456/408 /372/342/318	540/510/468 /432/396/384	606/582/540 /510/474/438
Motor Power	W	10	11	12	14	18	23
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	mm	Outer Diameter Φ18					
Cabinet Color	Pure White						
Packing Volume	m³	0.18	0.18	0.18	0.18	0.18	0.18

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

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



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 promptly. 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.



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
- ◆ Swing Louver
- ◆ 72-hour Timer
- ◆ Optional Setting
- ◆ 0.5℃ Temperature Setting
- ◆ One Touch Test Run
- ◆ Error Code Display
- ◆ Check
- ◆ 3D Airflow 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
- ◆ Check
- ◆ 3 or 6 Speed Control



HYXE-S01H

Wired Controller

Main Functions

- ◆ Cooling/Heating/Dry/Fan/Auto
- ◆ Temperature Setting
- ◆ Timer
- ◆ Error Code Display
- ◆ Check
- ◆ Air Filter Cleaning Reminding
- ◆ Error History Display
- ◆ Weekly Timer
- ◆ Address Setting
- ◆ 0.5℃ Temperature Setting
- ◆ Auto-brightness
- ◆ Holiday Setting
- ◆ 3D Airflow Setting
- ◆ Child Lock
- ◆ Auto-dehumidification
- ◆ Multiple Fan Speed



HYXM-VB01

Wireless Controller

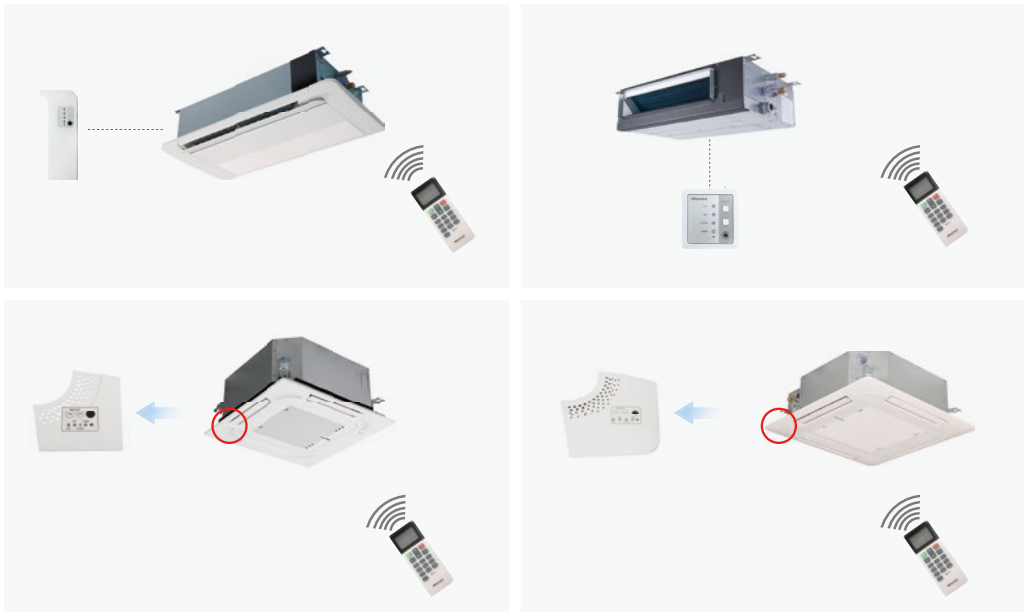
Main Functions

- ◆ 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

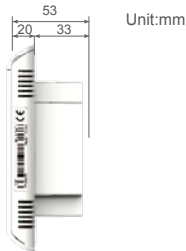


HYJM-S01H

Smooth Appearance



Easy Installation

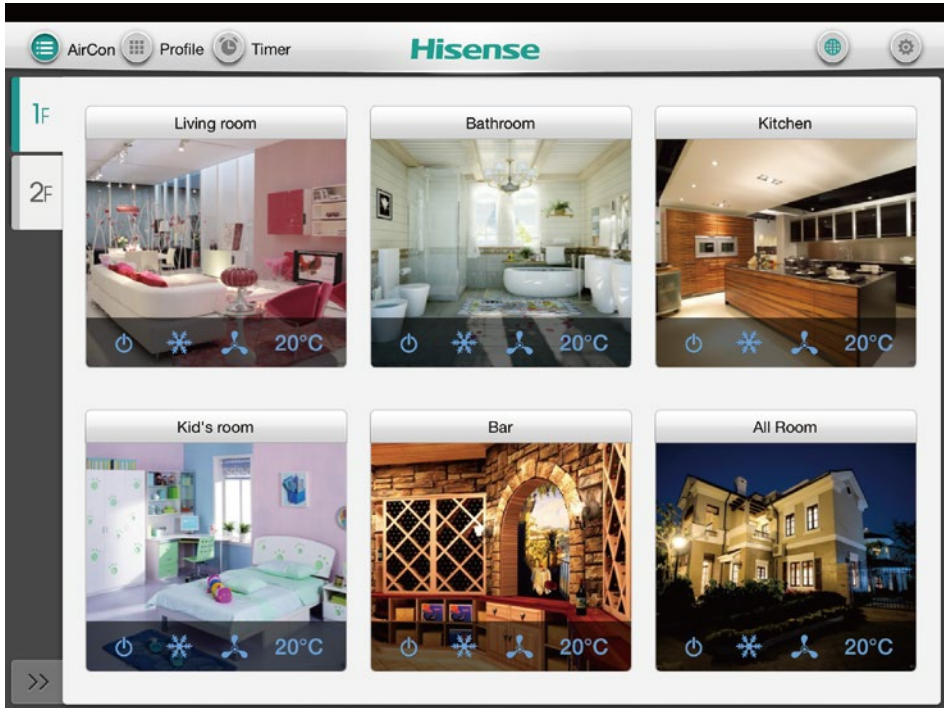


Type		Wired Controller					Wireless Controller
Model		HYXE-VA01	HYXE-J01H	HYXE-M01H	HYXM-VB01	HYXE-S01H	HYE-W01
Picture							
Suit for indoor unit	Ceiling Duct Type	○	○	○	○	○	○
	4-Way Cassette	○	○	○	○	○	○
	Mini 4-Way Cassette	○	○	○	○	○	○
	1-Way Cassette	○	○	○	○	×	○
	2-Way Cassette	○	○	○	○	×	○
	Ceiling&Floor	○	○	○	○	○	✓
	Wall Mounted	○	○	○	○	○	✓
	Floor Concoaled	○	○	○	○	×	○
	DC Low Height AC Low Height	○	○	○	○	○	○
	Console Type	○	○	○	○	○	✓
	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-Z01H	HYRE-T03H	HYJM-S01H	HYJ-J01H
Picture						
Suit for indoor unit	Ceiling Duct Type	○	×	×	○	○
	4-Way Cassette	×	×	○	○	○
	Mini 4-Way Cassette	×	○	×	○	○
	1-Way Cassette	×	×	×	○	○
	2-Way Cassette	○	×	×	○	○
	Ceiling&Floor	○	×	×	○	○
	Wall Mounted	○	×	×	○	○
	Floor Concoaled	○	×	×	○	○
	DC Low Height AC Low Height	○	×	×	○	○
	Console Type	○	×	×	○	○
	All Fresh Air Indoor Unit	○	×	×	○	○
	Heat Recovery Ventilation	×	×	×	○	○
	3D Air-flow Panel	○	×	×	○	○
AHU KIT		×	×	×	○	○

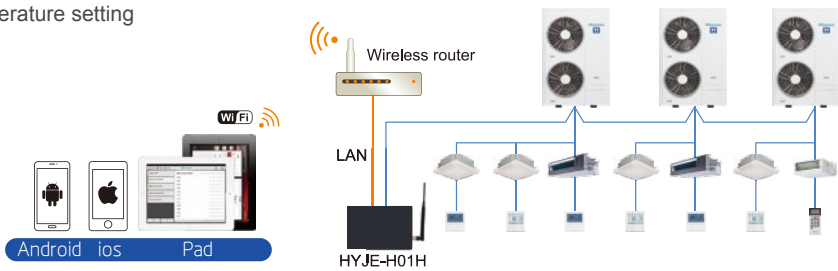
Remarks: ✓ Standard ○ Optional × Incompatible

Hi-Mit



Main Functions

- ◆ ON/OFF control, Operation mode, Temperature setting
- ◆ Operate according to a schedule
- ◆ Display the alarm code
- ◆ 16 operation modes
- ◆ Max. 32 indoor units can be controlled
- ◆ Dimension: 215×137×38 mm



Adapter Specifications

Model name	HYJE-H01H	Operating temperature	0℃~40℃
Input voltage	AC1Φ,110~240V/50Hz/60Hz	Maximum operating current	10mA (220 V)

*The standard parts of this system includes the converter HYJE-H01H and the client control APP (it can be downloaded in the APP STORE).

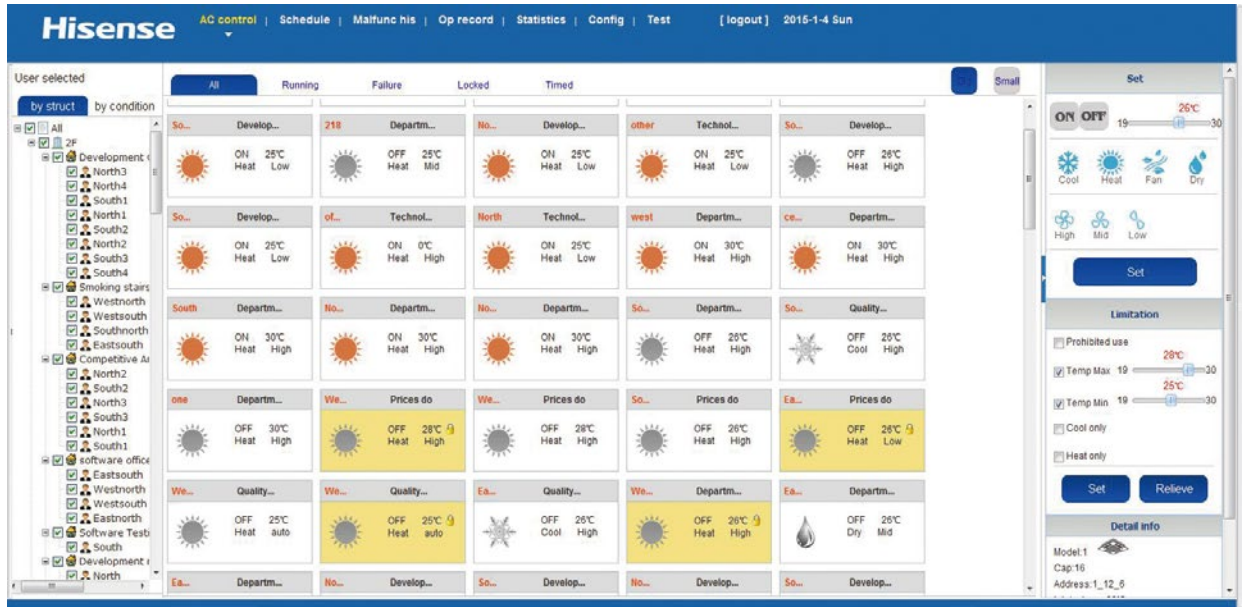
Hi-Dom Air Conditioning Management System

Central 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

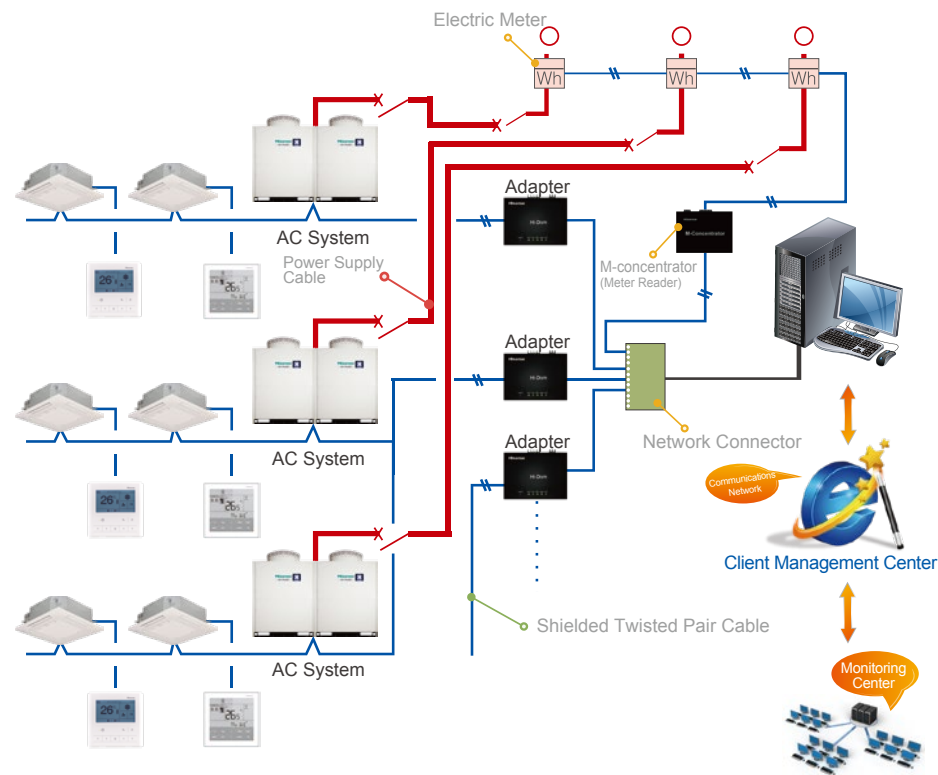
- ◆ Running-state Monitoring
- ◆ Determine the Temperature Limit
- ◆ Running Records Display
- ◆ Controller Prohibition Function
- ◆ Access Control
- ◆ Automatic Operation According to Settings
- ◆ Multifunction Alarm
- ◆ Service Monitoring



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

Air Conditioning Electric Charge Allocation

Hisense electric charge allocation 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 opening degree of EEV, 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.

Building Management System

Compatible to multiple communicaiton protocol of Bacnet, Modbus, KNX ect. The air-conditioning can be connectible to BMS or Smart Home System via specially adapter.

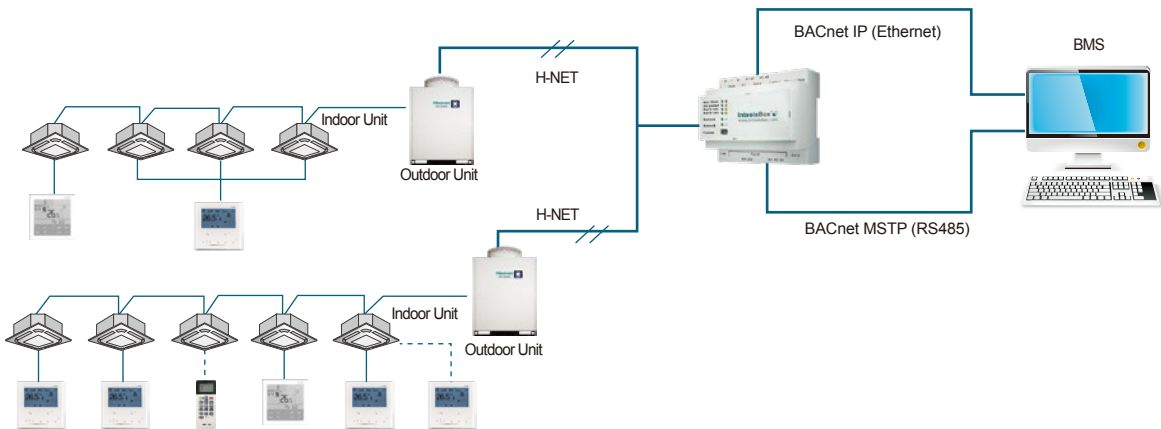
- ◆ Real-time operation status monitoring for inquiry
- ◆ Operation order from monitoring center

BACnet

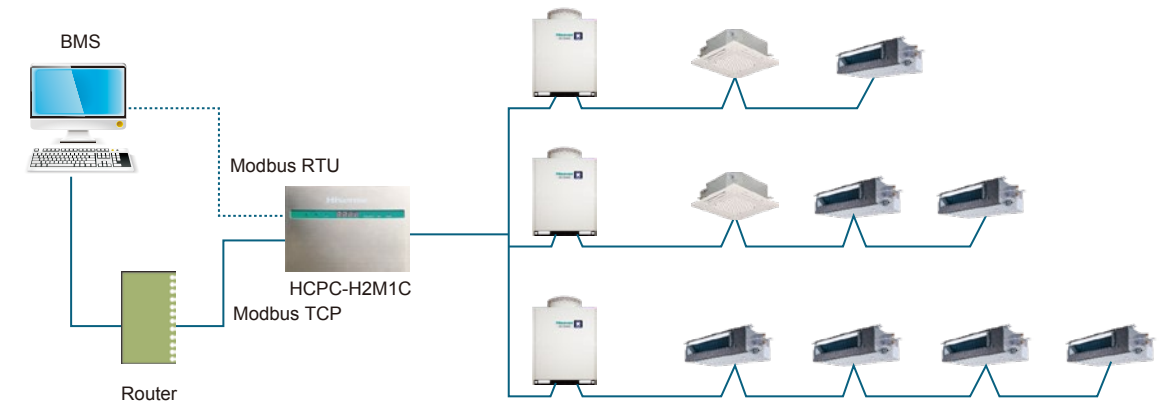
Intesis Box BACnet server makes available the Hisense VRF conditioning system through independent BACnet objects. It can be applied to third party intelligent control system with BACnet/IP or BACnet MSTP protocol.

Main Functions

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



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

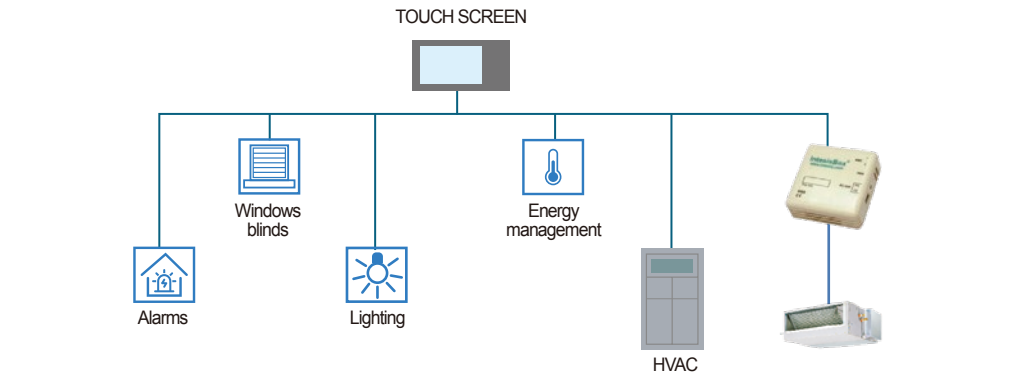
KNX

IntesisBox KNX gateways for air conditioners offer the largest range of gateways in the market for AC system integrations. These solutions offer a huge compatibility to all the KNX manufactures, and can be controlled by a simple KNX thermostat, advanced KNX touch panels or Apps.

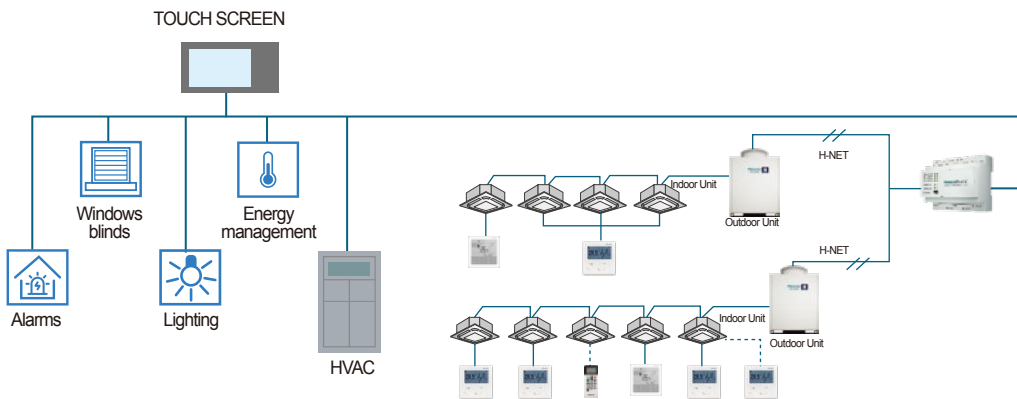
Main Functions

- ◆ Function prohibition of controller
 - ◆ Operation control(on/off, temp. setting, mode control ect.)
 - ◆ Indoor unit data monitoring
- ◆ Alarm monitoring and code display
 - ◆ Bidirectional communication and simultaneous control from KNX and AC's controller

One to One



More to One



Protocol	Model	H(mm)	W(mm)	D(mm)	Max.number of connectable indoors units
KNX	HS-RC-KNX-1i	70	70	28	1
KNX	HS-AC-KNX-16	90	88	56	16
KNX	HS-AC-KNX-64	90	88	56	64
BACnet	HS-AC-BAC-16	90	88	56	16
BACnet	HS-AC-BAC-64	90	88	56	64
Modbus	HCPC-H2M1C	50	220	140	64

Accessories

Filter

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	

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	For AC/DC Ceiling Ducted Type (AVE-07*-AVE-15*)	180×950×70	750×130
HP-EB-NA	For AC/DC Ceiling Ducted Type (AVE-17*-AVE-24*)	180×1220×70	1020×130

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