

Hisense

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CE CB



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Hisense VRF



Hi-Smart

E+ L+ C+



Reimagine your solution



Hisense SINCE 1969

Hisense Group is a well-known large-scale electronic information industry group company. Based on technology and focusing on innovation-oriented culture, its scientific and efficient technological innovation system makes Hisense always be at the forefront of the counterparts. Hisense brand family has continued to grow with Toshiba, Gorenje and ASKO. Multi-brand operations will be defined according to Group's Strategy Management Department.

SINCE 1969

BUSINESS LAYOUT

Multimedia

- TV and Display Devices
- Internet TV Operation
- Mobile Communication Devices
- Optical Communication Devices
- Chip



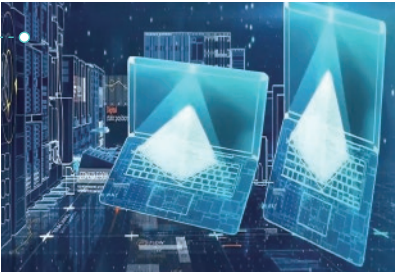
Household Appliances

- Refrigerator
- Freezer
- Air-conditioner
- Washing Machine
- Kitchen Appliance



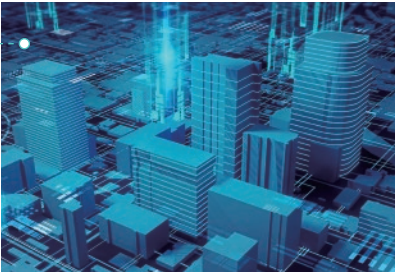
IT Smart Systems

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



Real Estate & Modern Services

- Real Estate
- High-end Plaza Chains
- Mould Design and Manufacturing
- Finance
- Trade



GLOBAL VOICE

Hisense has started a long-term sports marketing strategy to increase brand awareness worldwide. After the successful sponsorship of **UEFA EURO 2016** and **2018 FIFA WORLD CUP**, Hisense has made clear its focus on football. And now, Hisense becomes the official partner of **UEFA EURO 2020**.

2014



Official Sponsor of the Australian Open

2015



Title Sponsor of Hisense 300 NASCAR Xfinity Series and Team Sponsor of Joe Gibbs Racing
Team Supplier to Red Bull Racing

2016



Official Partner of UEFA EURO 2016

2018



Official Sponsor of the 2018 FIFA World Cup

2020



Official Partner of UEFA EURO 2020



Hisense VRF MANUFACTURING BASE

Qingdao Hisense HVAC Equipment Co., Ltd. is a wholly owned subsidiary of Qingdao Hisense Hitachi Air-conditioning Systems Co., Ltd., who is a joint-venture of Hisense and Hitachi (changed to Johnson Control Hitachi in 2015) and was established in 2003.

It integrates technology development for commercial and residential central air conditioners, product manufacturing, marketing and service as a whole. With the full support of all the shareholders such as Hisense and Johnson Control Hitachi, Hisense VRF is committed to becoming the market leader in the industry.

With solid technical innovation strength, Hisense VRF has participated in the formulation and revision of 38 national standards, industry standards and association standards, and has 659 authorized patents in the field of CAC and heat pump products. Since 2008, 58 technologies have reached the advanced level through authorized certification. Now Hisense VRF has become a leading CAC enterprise in China.

Note: The above data is valid before Dec. 31th, 2020.



266,000 m²
Manufacturing Area



40+
Production Line



6,000,000 units/year
Production Capacity



16,700 m²/70+
Laboratory



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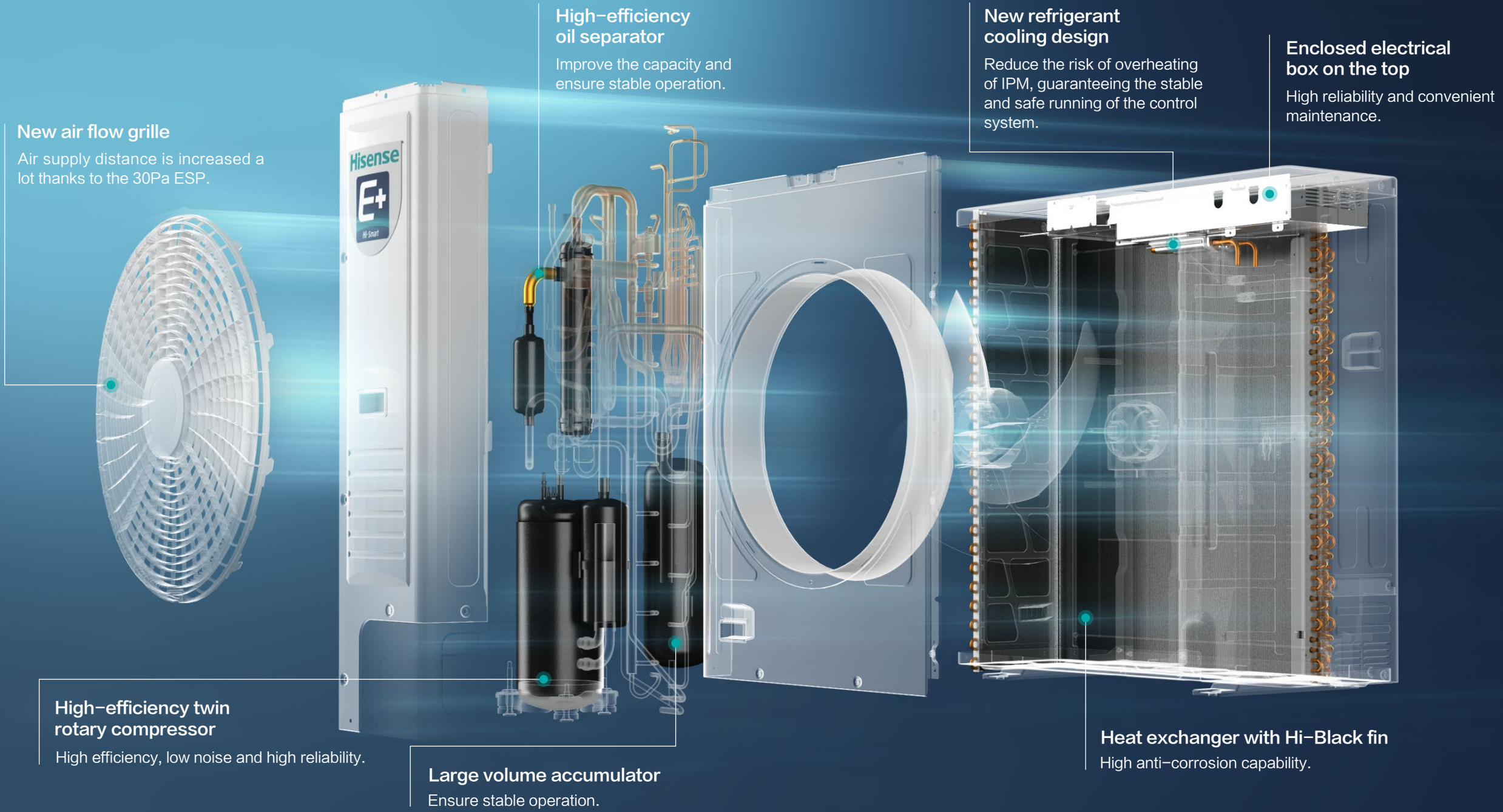
Control System

77

Accessories

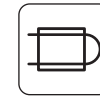


BRAND-NEW UPGRADE



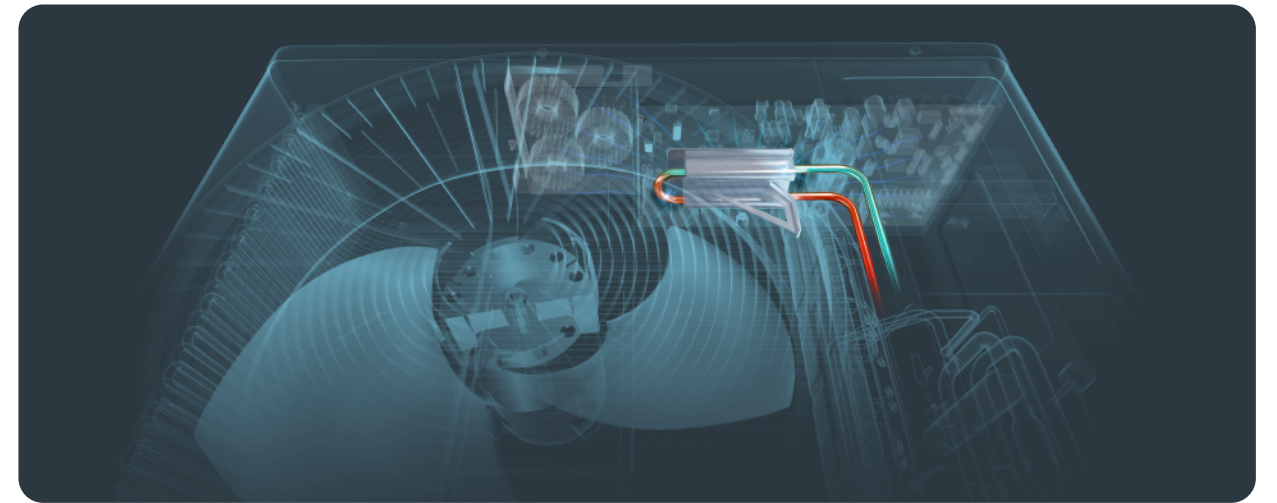
Take Hi-Smart E+ Series as an example.

RELIABILITY



Patented 360° Fitted Refrigerant Cooling Technology

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

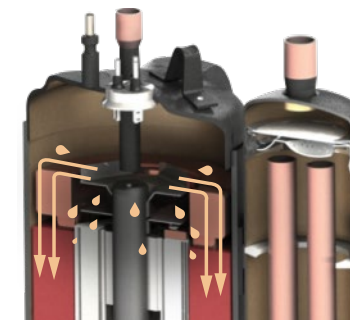


Note: 1. Compared with air-cooled technology, the temperature in electric box can be reduced about by **10%**.
2. There is no refrigerant cooling kit inside the Hi-Smart L+ series (single phase unit).

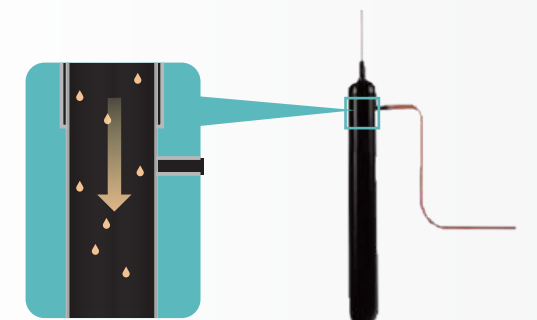


Multiple Oil Control

Oil separation



First-stage Oil Separation



Second-stage Oil Separation

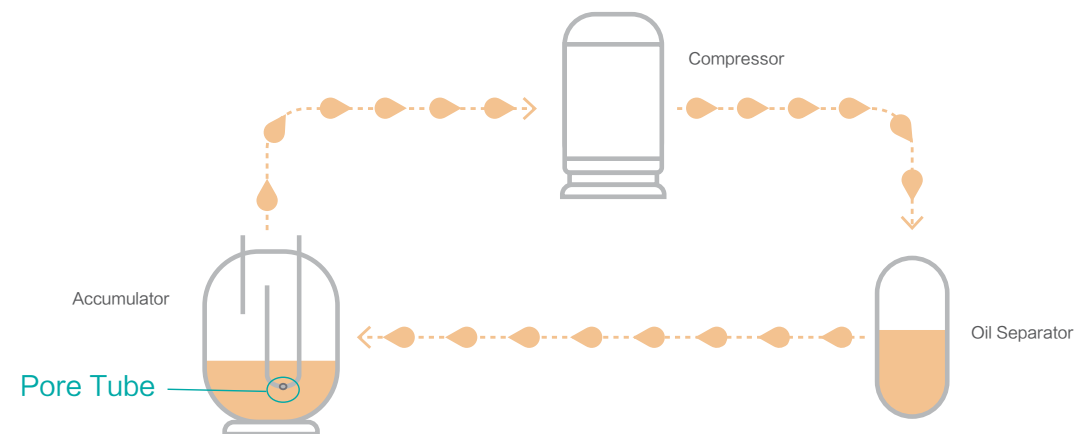
First-stage oil separation is realized through efficient oil separation structure inside the high pressure chamber compressor. Only a small amount of oil is brought out of the compressor.

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

Oil return

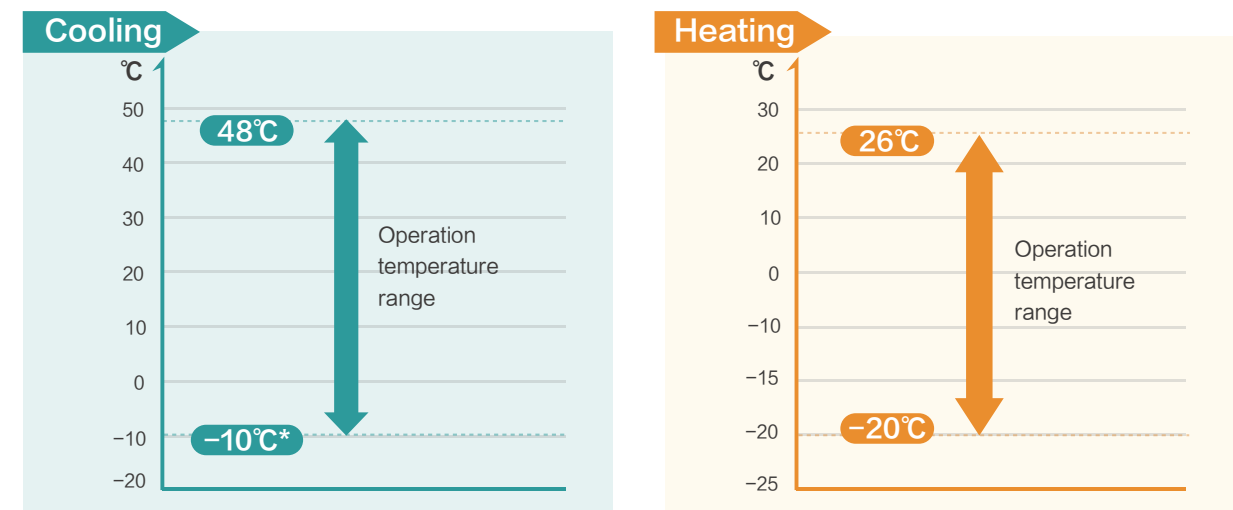
The accumulator adopts pore tube oil return technology with a built-in fine strainer, which not only ensures oil balance between compressors within one module, but also plays an important role in the oil balance between modules.

Besides this, the system implements oil-return function based on compressor frequency and corresponding operation time. The oil-return takes 60 seconds and can return to previous condition when it is finished. In winter under heating mode, this operation is implemented without switching to cooling mode, which guarantees the heating performance.



Wide Operating Range

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



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



Enclosed Electrical Box

Thanks to the enclosed electrical box design of E+ series unit, the small insects can be prevented entering the electrical box, ensuring the normal operation of the system. Besides, the electrical box is located in the top part of the unit independently, easy for communicate and maintenance.



Insect Protection



Top Located



Convenient Maintenance

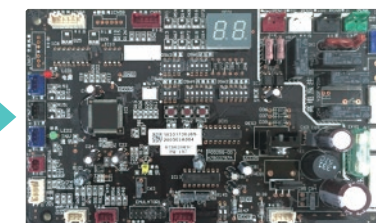
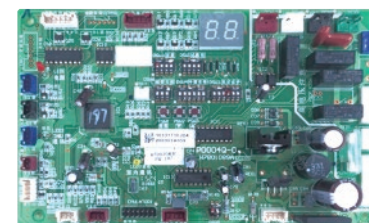


Note: Enclosed electrical box located in the top is adopted only in E+ series.



Industrial Grade PCB

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



Hisense PCB board:

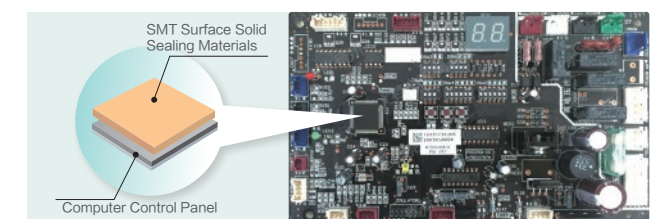
Epoxy resin composite substrate: double-sided printing, SMD welding, high strength, good weather resistance, great flame retardancy, high reliability, compact structure, small size.

Conventional PCB board:

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

SMT Sealing Technology

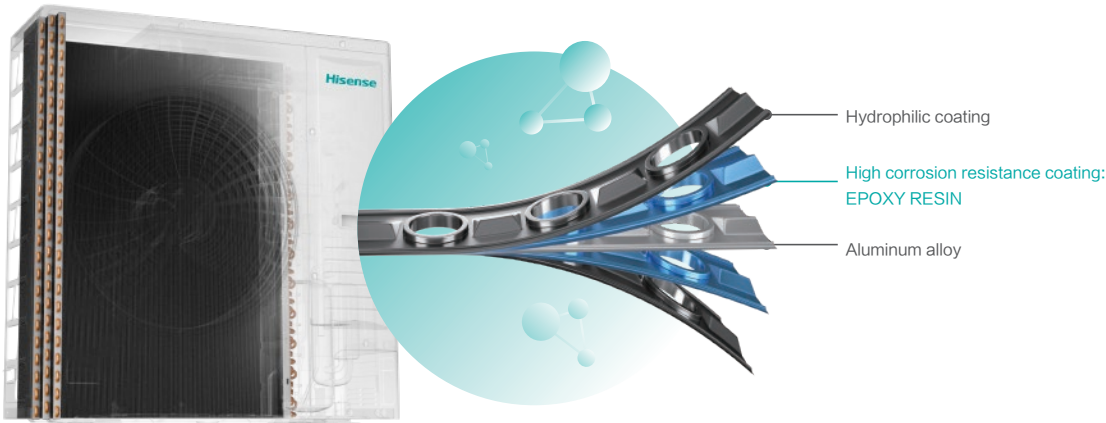
The SMT sealing technology, through strict optical inspection, low temperature environment test, high temperature environment test, on-line inspection, functional inspection, and vibration and stress test, can effectively improve the anti-interference ability of the control panel without being affected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





Hi-Black Fin (Standard)

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



Enhanced Anti-corrosion Solution (Optional)

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

1 Front/Side/Top Panel:

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

2 Heat Exchanger:

Black fin (modified epoxy resin+hydrophilic film); Cooper fin

3 Electrical Box:

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

4 Fan Motor:

Coated with 10μm ~30μm acrylic resin coating

5 Protection Net:

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

6 Bottom Base Pan:

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

7 Pressure Vessel:

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

8 Screw:

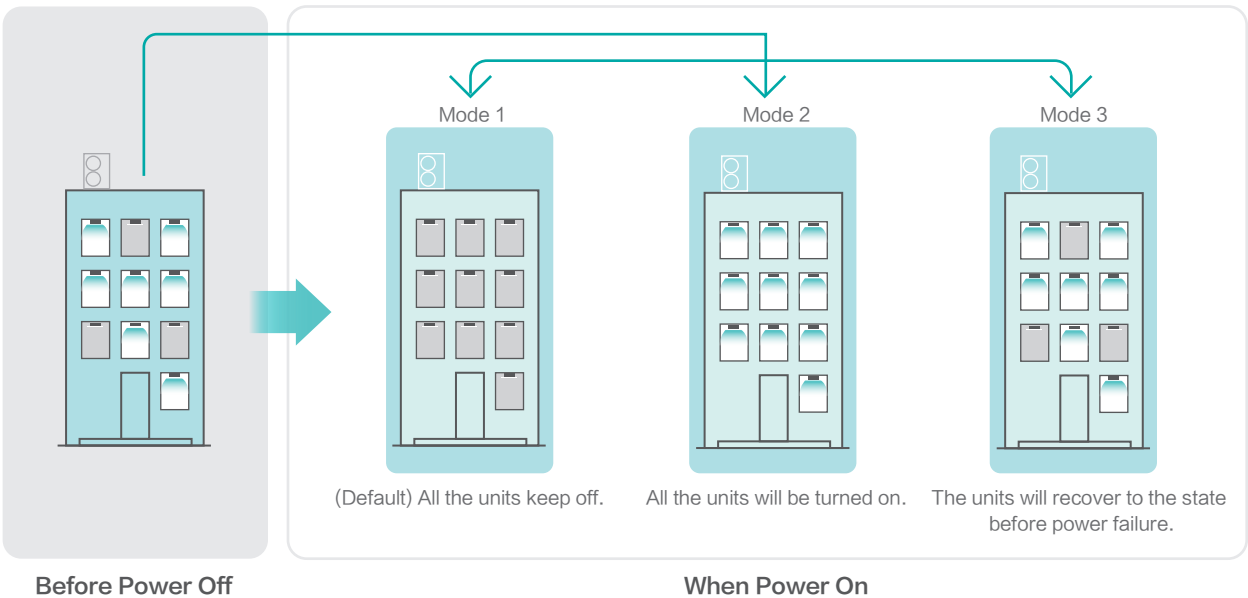
Anti-corrosion Stainless Steel(Spray Coating of DACROMET® ※Coating)

※ DACROMET® is a registered trademark of NOF METAL COATINGS GROUP, belonging to the Japanese Chemical Group.



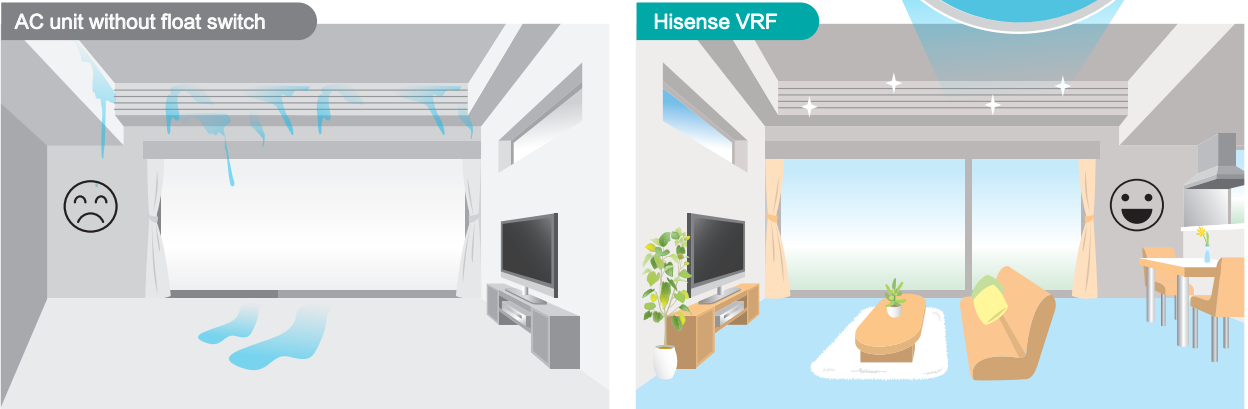
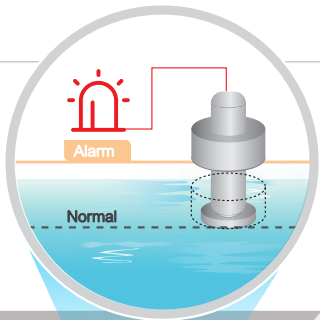
Automatic Restart

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



Condensate Water Leakage Protection

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





Multiple Protections

Inverter Protection

- Inverter temperature protection
- Voltage protection

Compressor Protection

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

Electric Protection

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

System Protection

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

Three-level Protection



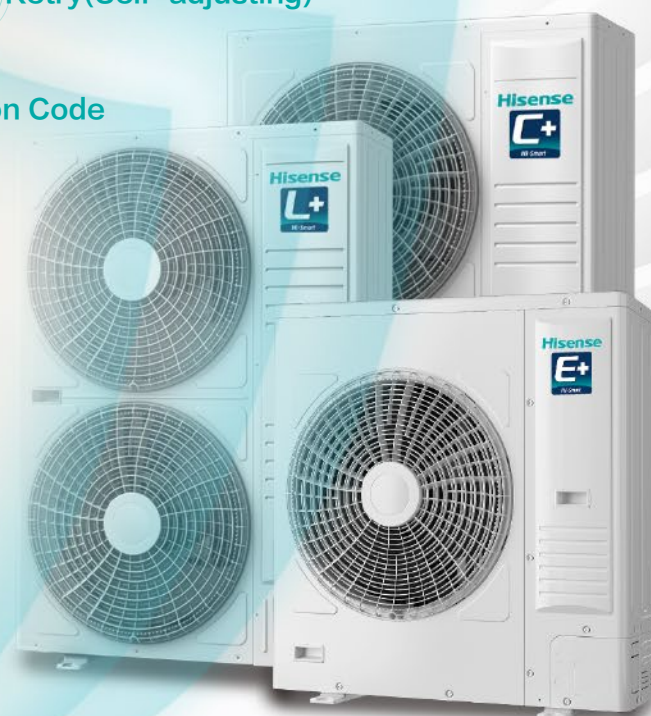
Alarm Code



Retry (Self-adjusting)



Protection Code



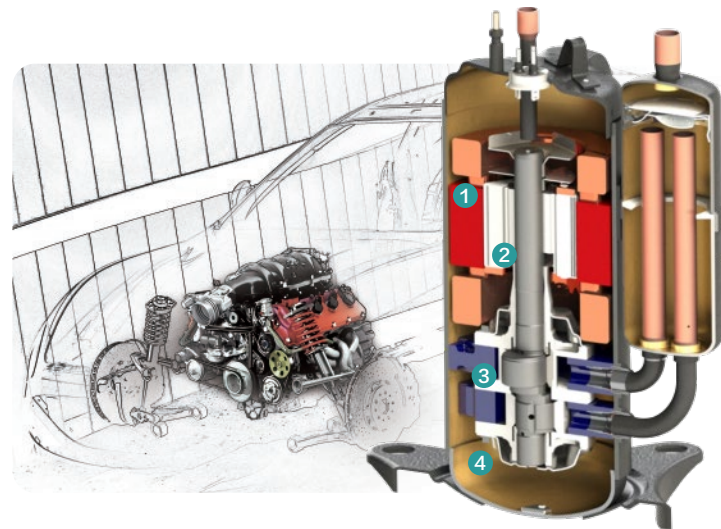
HIGH EFFICIENCY





High-efficiency DC Inverter Compressor

A high-efficiency DC inverter dual rotary compressor is adopted. It features unique dual-pressure chamber design and symmetrical location, which can effectively reduce the vibration and noise and improve the compressor performance, especially the performance under low-frequency operation. Moreover, the dual rotary compressor has a small lubricating oil injection volume with stable oil return, and comes with a gas-liquid separator, which makes the system more reliable.

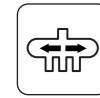
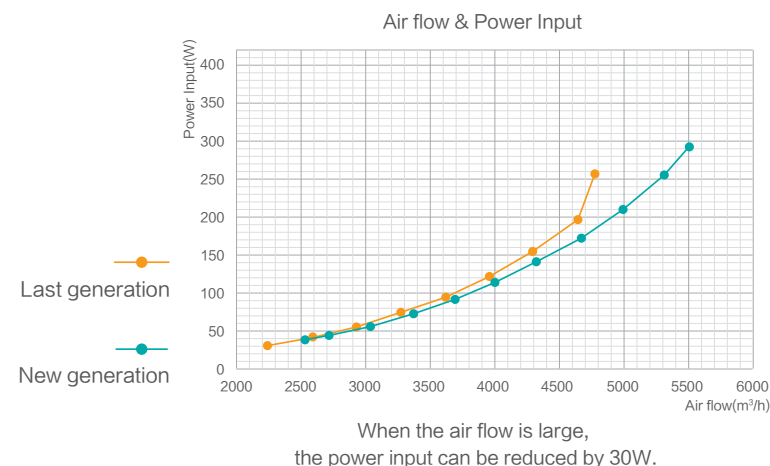
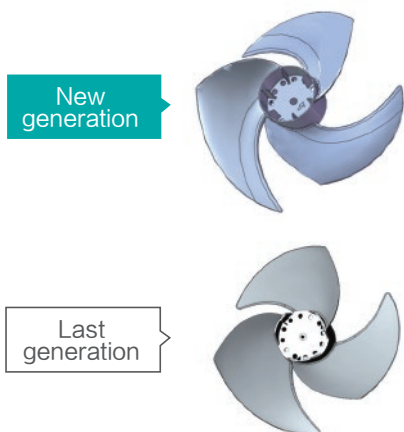


- 1 High-efficiency motor**
Optimize the motor design to improve compressor performance.
- 2 Optimized rotor design**
Lower the center of gravity of the compressor to reduce the noise and vibration.
- 3 Flat mechanism design**
Improve the volumetric efficiency and the total performance.
- 4 Screw interactive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



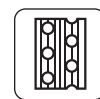
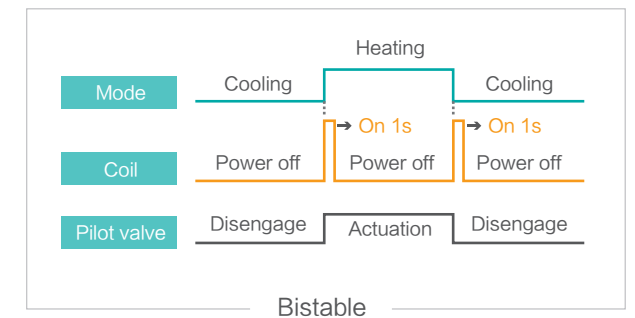
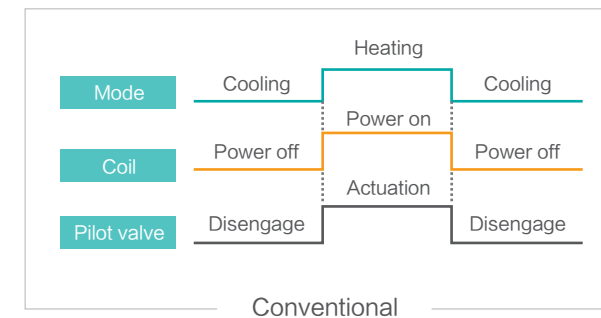
Brand-new High-efficiency Fan Motor

The outdoor unit adopts DC inverter fan motor to realize stepless speed regulation, ensuring stable and efficient operation. What's more, the new generation high-efficiency axial flow fan with curved and soft line blade enables stronger flow and lower noise.



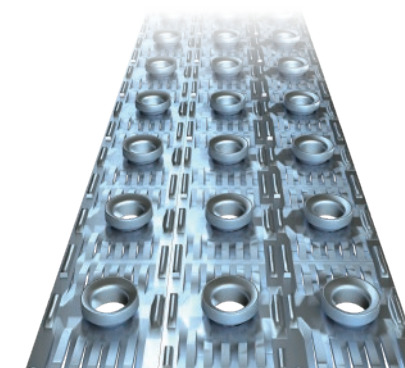
Bistable Four-way Valve

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

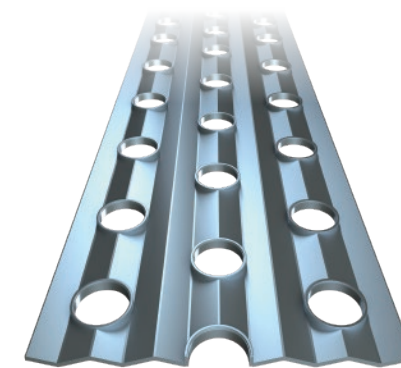


New Advanced Corrugated Fin Design

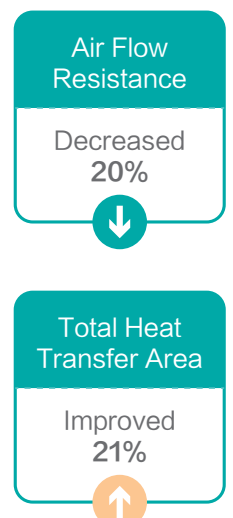
A new commitment is made on new fin design to create better efficiency and more durable heat exchanger. With this new design, larger amount of fins can be allocated into the heat exchanger, increasing 21% heat exchange surface area. Also the air flow resistance is largely reduced by 20%, thus the heat exchange efficiency is improved greatly.



Traditional Fin



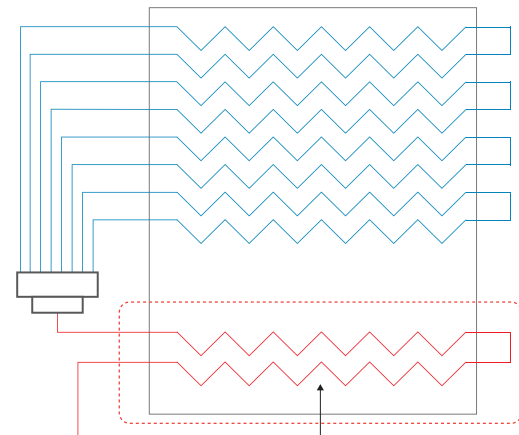
Latest Corrugated Fin



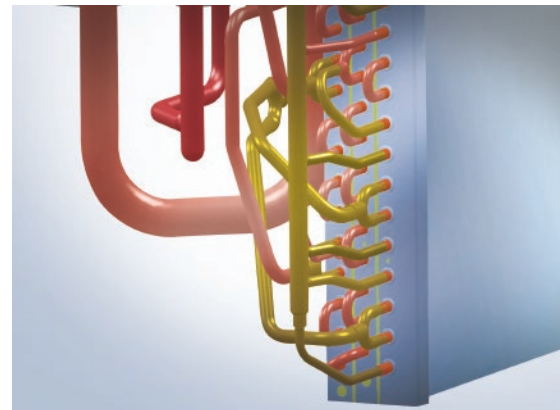


New Anti-frosting Design at the Bottom

Advanced design of anti-frosting structure at the bottom of heat exchanger ensures the bottom of heat exchanger frost-free while heating operation. Also, under 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.

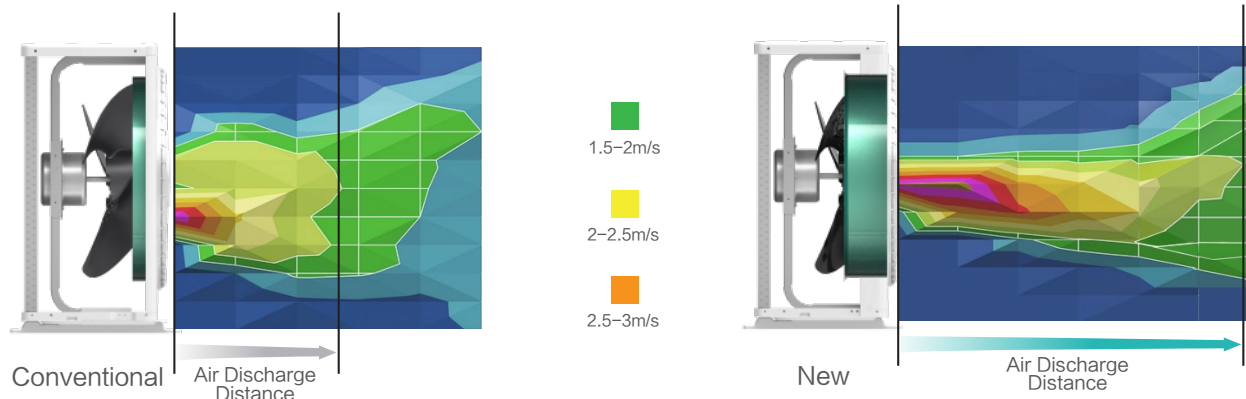


Anti-frosting Design at the Bottom



Optimized Air Duct System Design

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



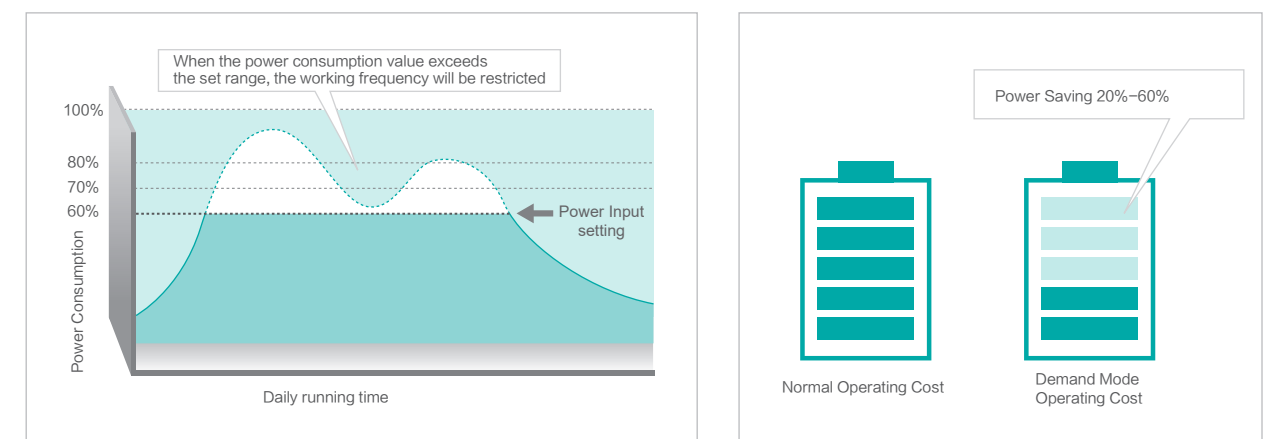
Aviation Level Design of Grill

The design of the grill follows the design concept of the aircraft engine design, which conforms to the aerodynamics principle. It helps to improve the air discharge distance and heat exchange effect, maximizing the cooling and heating performance.



Demand Mode

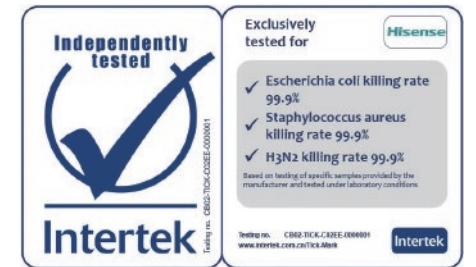
The intelligent demand mode can adjust the air conditioning system capacity output automatically according to peak-valley requirements of electricity. There are three levels setting, 80%, 70% and 60%. It achieves balance between comfort and energy-saving while meeting the power demand for daily work.





AirPure

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



Take AVE-09 as the test sample.



Anti-Bacteria and
Anti-Virus



Formaldehyde
Removal



Anti-mold



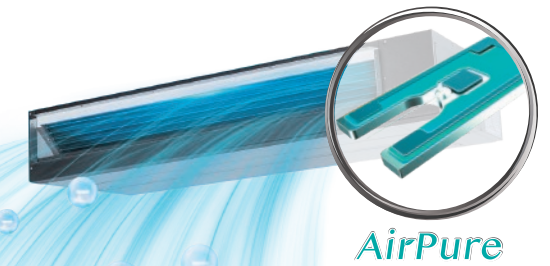
Odor Removal



PM2.5 Purification



Anti-allergen



AirPure

Note:

1. 4-way Cassette, Mini 4-way Cassette, Console, Ceiling Ducted can be equipped with the AirPure kit (optional).
2. The AirPure kit is standard for the new wall mounted unit which will be launched in the second half of 2021.

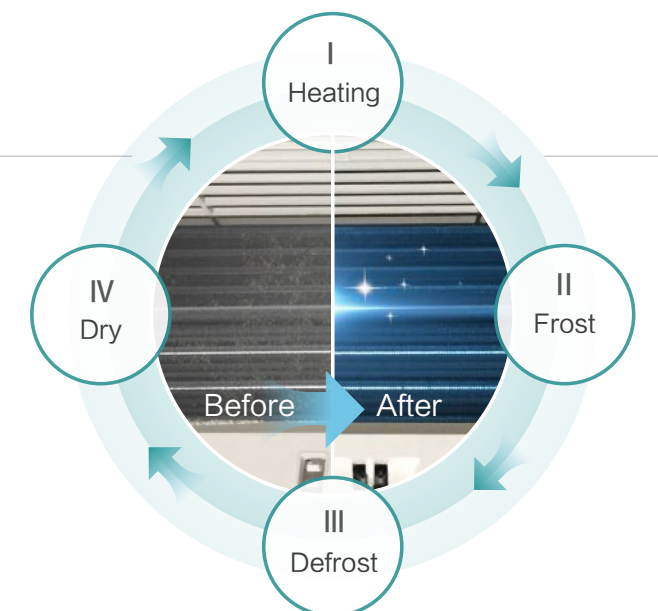


Self-cleaning Function

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

Note:

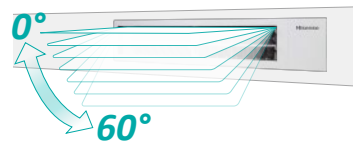
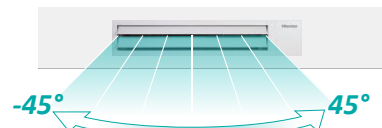
At present, the self-cleaning function is available in the wall mounted unit.



4 processes for deep cleaning

3D Air-flow Panel

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



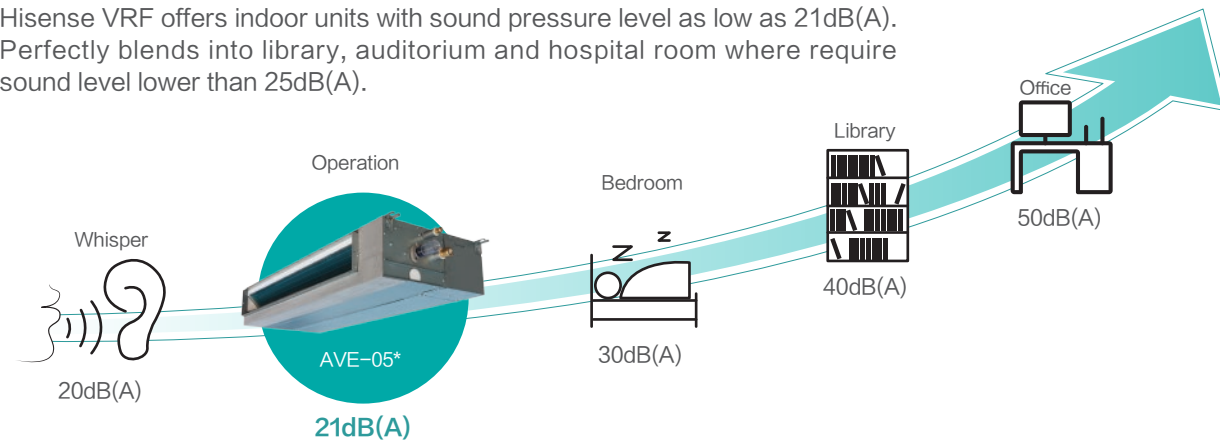
+10%



Indoor Unit Quiet Operation

Noise Control of Indoor Unit

Hisense VRF offers indoor units with sound pressure level as low as 21dB(A). Perfectly blends into library, auditorium and hospital room where require sound level lower than 25dB(A).



Note: The value is measured at low-speed operation in an anechoic chamber.

Convenient Eliminate Four Kinds of Noise



Eliminate the whistling noise of the EEV



Eliminate refrigerant flow noise



Dispel the wind blowing against fins noise

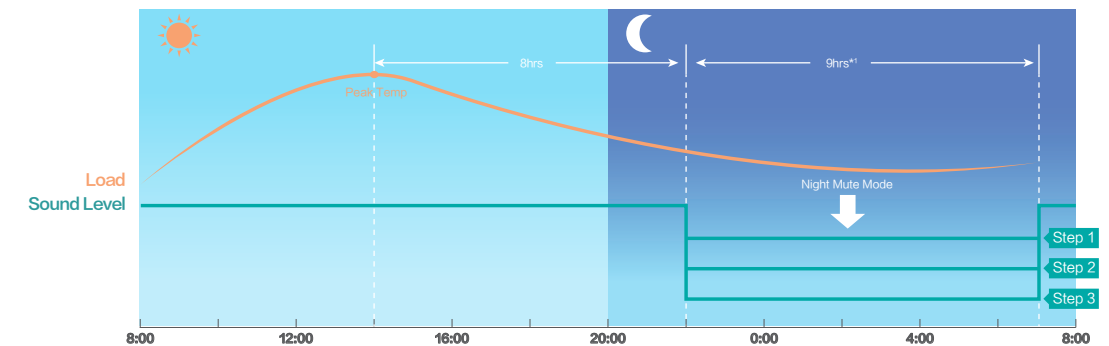


Eliminate abnormal electromagnetic noise of fan motor

Outdoor Unit Noise Control

Night Mode

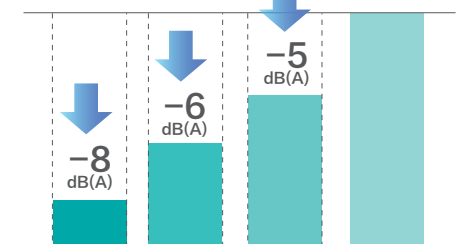
In gerneal, people are more sensitive to noise at night. Night quiet mode can be activated when necessary, and the noise can be reduced by up to 8dB(A).



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

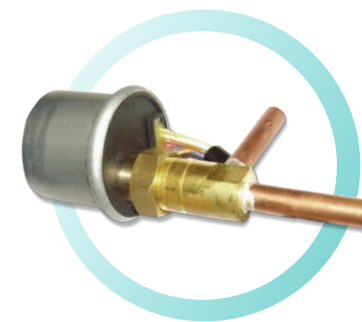
Low Noise Mode

Users can flexibly set the low noise mode at any time. There are three levels for choice, which can be set on the controllers or the PCB.

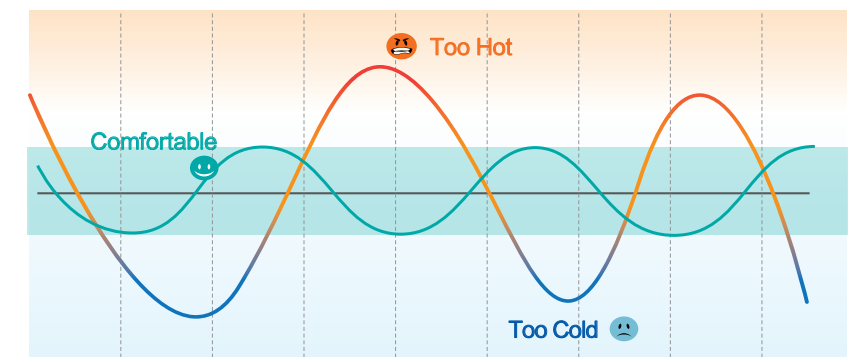


Precise Temperature Control

There are multiple temperature sensors equipped in the system, which will be very helpful to judge the indoor load more accurately. Also the 2000-step EEV is specially adopted to ensure precise refrigerant flow adjustment according to the actual load of indoor units, achieving a more comfortable indoor environment with small temperature fluctuation.



2000-step EEV



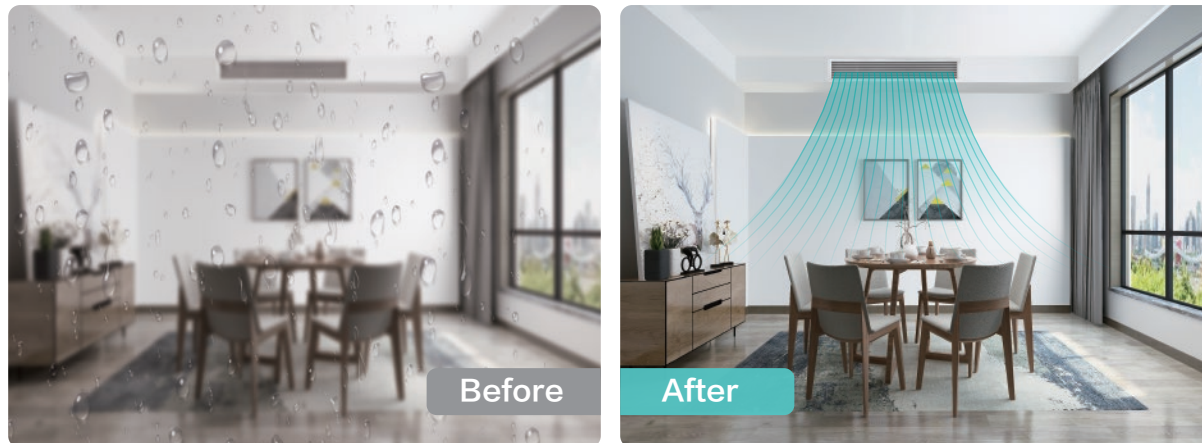
Hisense Temperature Control
Conventional Temperature Control

Most Comfortable
Setting Temperature



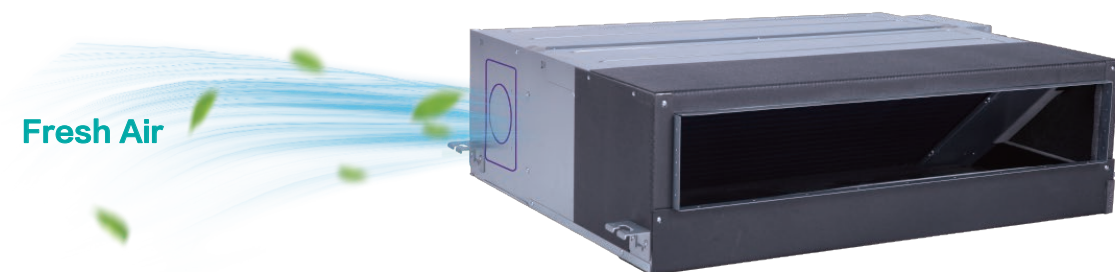
Humidity Sensor (Optional)

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



Fresh Air Intake

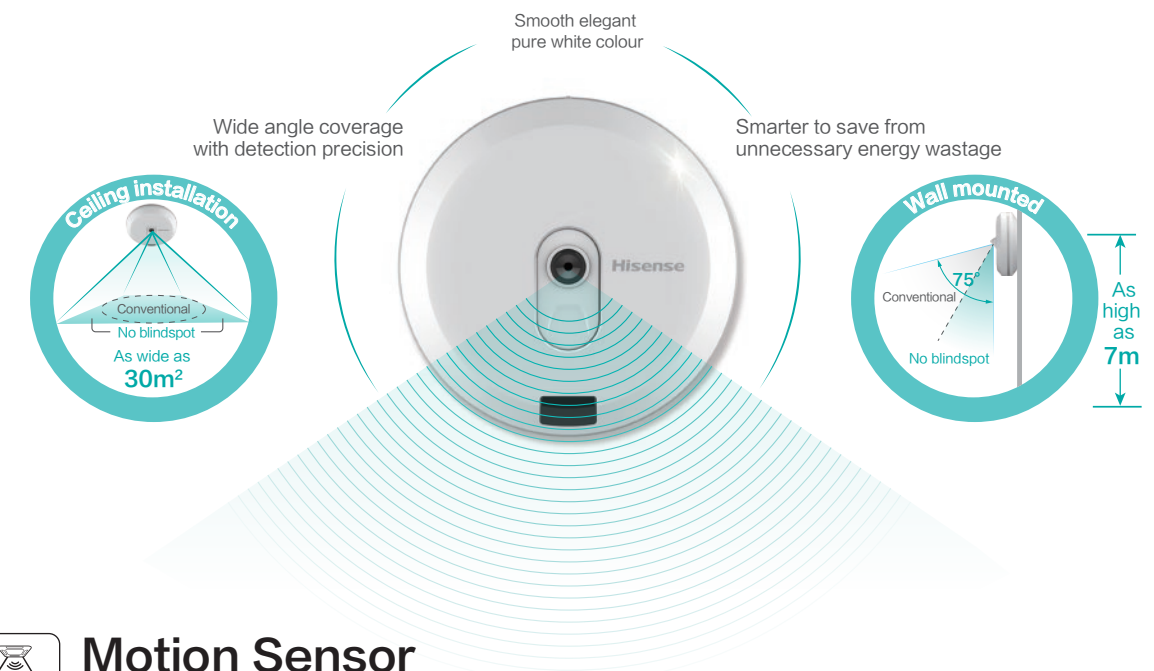
Hisense VRF indoor units are infused with a fresh air duct opening for 10% free fresh air introductory directly from outdoor air, reducing the need of fresh air systems for medium to small spaces. These indoor units include 4-way cassette, mini 4-way cassette, 2-way cassette, 1-way cassette, low height ceiling ducted, high static pressure ceiling ducted and console.



Hi-Motion (Optional)

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

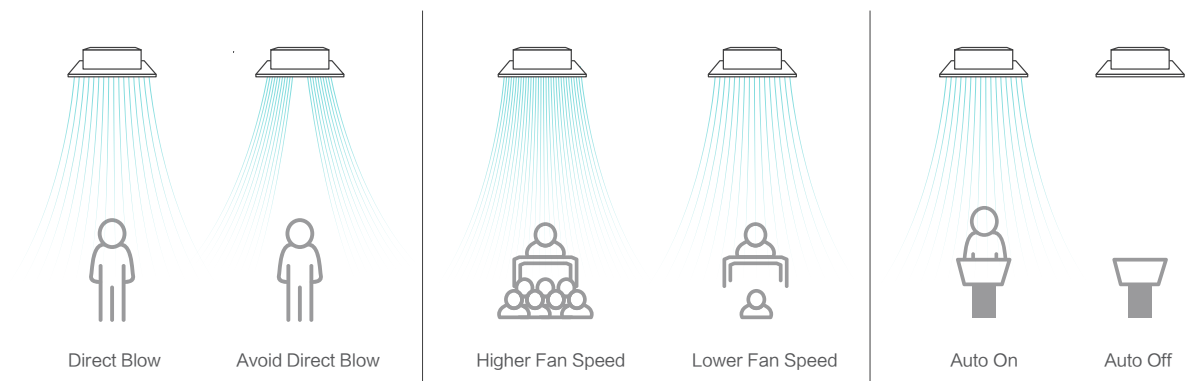
- 1) Automatically stops the unit when no one is in the room in order to realize energy saving.
- 2) Adjusting the setting temperature and air flow according to the actual human activity.



Motion Sensor (Optional)

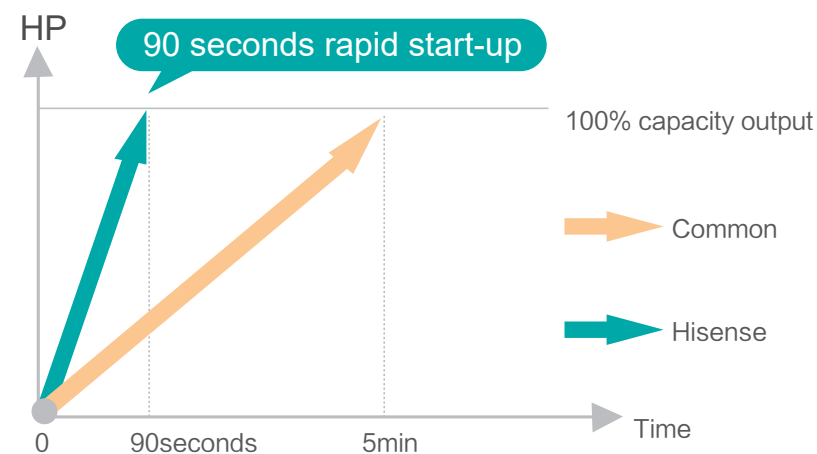
Motion Sensor, assembled in the panel of 4-Way Cassette and Mini 4-Way Cassette, can provide a more comfortable environment, and achieve efficient and energy-saving operation of the unit at the same time.

- 1) With the sensor, indoor unit can ON or OFF automatically when people enter or leave the room.
- 2) The people location can be detected by the sensor automatically, and the air flow direction can be set to blow directly or to avoid blowing at people as they like.
- 3) The setting temperature can be changed automatically by detecting the number of people changing.

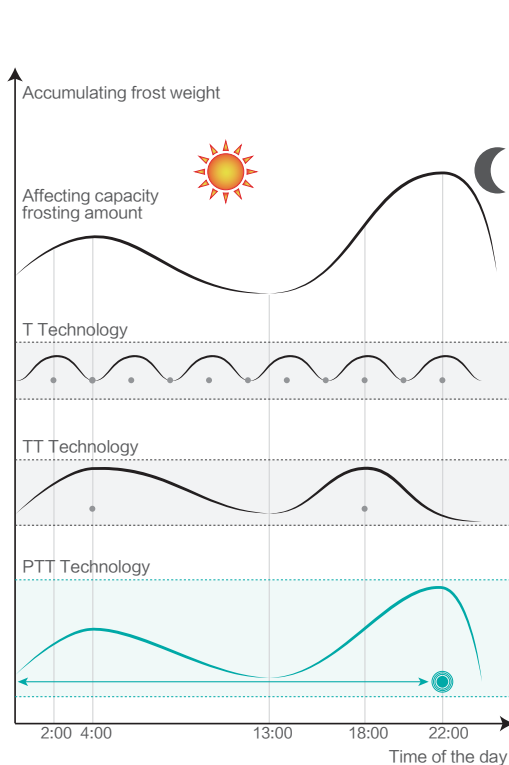


Rapid Cooling&Heating Start-up

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



PTT Defrost



During freezing days with low temperature and high humidity, water vapour in the air would solidifies into frost and objects under such environment would accumulate frost. As frosts pile up on the heat exchanger of an outdoor unit, it needs to be liquified and removed. The PTT Intelligent Defrosting Logic could determine the perfect timing to defrost, saving unnecessary energy usage comparing to conventional defrost measures, maximizing users' comfort indoors.

Defrosting timer

High energy wastage and causing low indoor comfort

Time & temperature

Energy wastage and might not defrosting at accurate time

Defrosting only when necessary

High energy saving and efficient use of energy

**FLEXIBLE DESIGN
AND INSTALLATION**

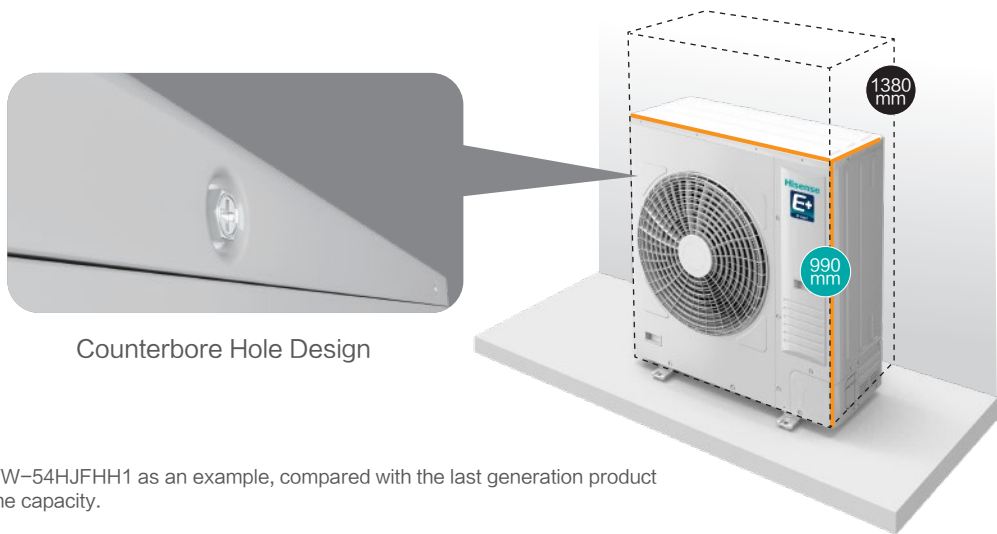




Compact Size and Light Weight

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

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



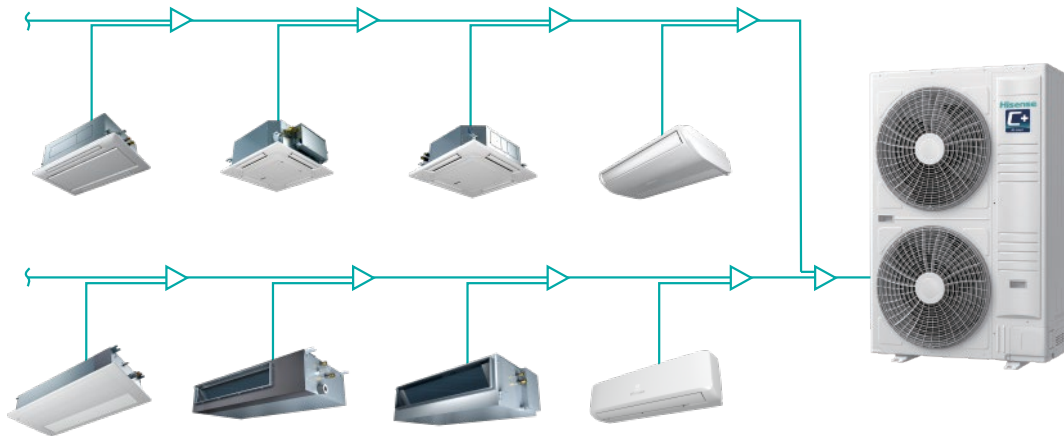
*Take the AVW-54HJFHH1 as an example, compared with the last generation product with the same capacity.



Large Number of Connectable IDUs

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

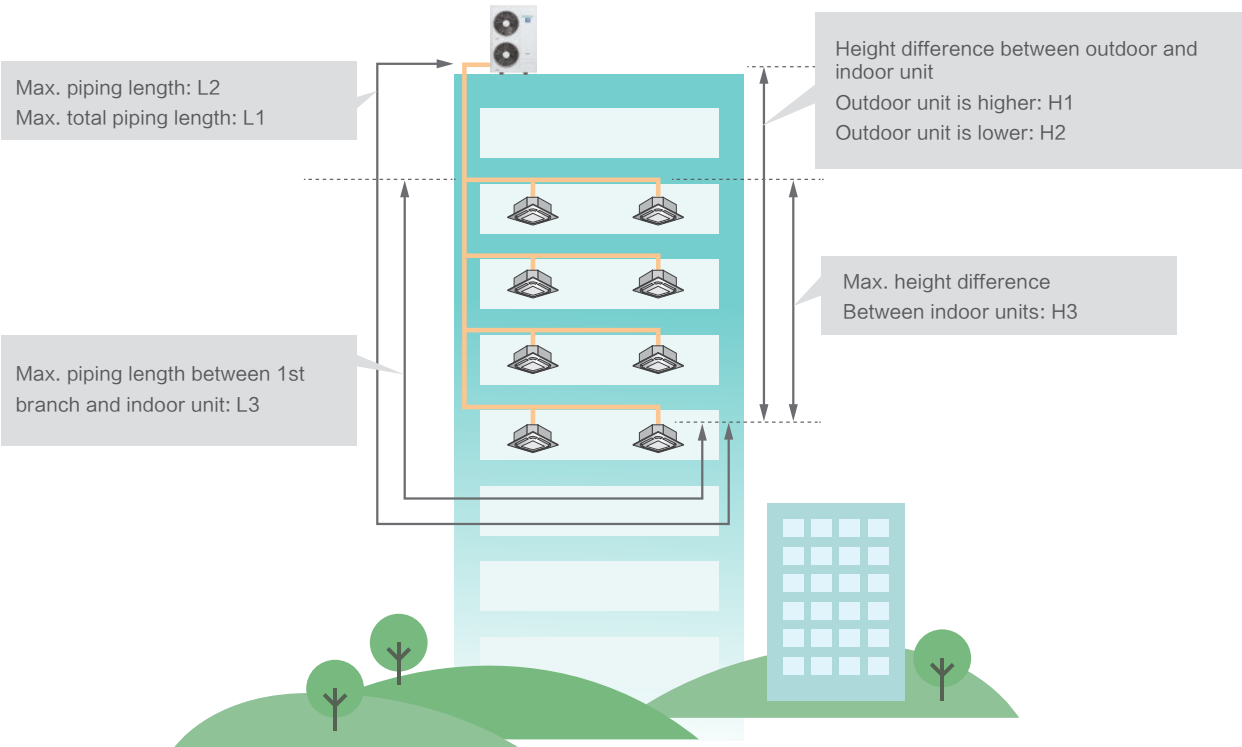
* The quantity of connectable IDUs of each outdoor unit, please refer to the specification part.





Excellent Piping Length

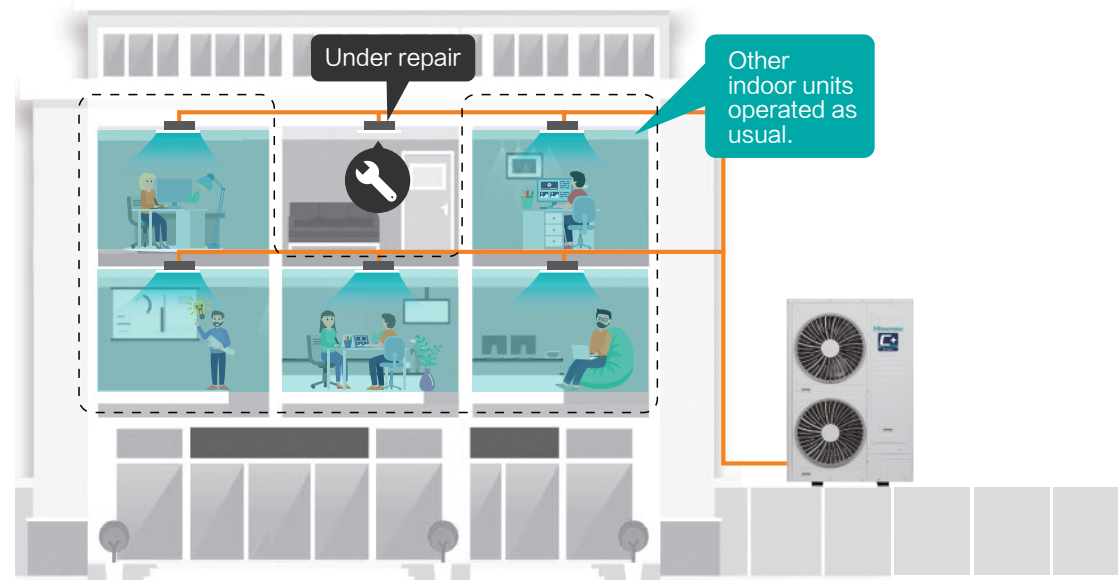
Increased piping length allows for flexible design and installation. Hisense inverter technology and two-level cooling technology allow longer piping length and outstanding height differences. The air-conditioning system can be implemented more flexibly.



Series		Hi-Smart E+	Hi-Smart L+	Hi-Smart C+
Picture				
Total piping length L1		135m	150m	300m
Max. piping length L2		70m	100m	150m
Max.length between the first branch pipe to the farthest indoor unit L3		40m	40m	40m
Height difference between ODU and IDU	ODU is higher H1	50m	50m	50m
	IDU is higher H2	40m	40m	40m
Height difference between IDUs H3		15m	15m	15m

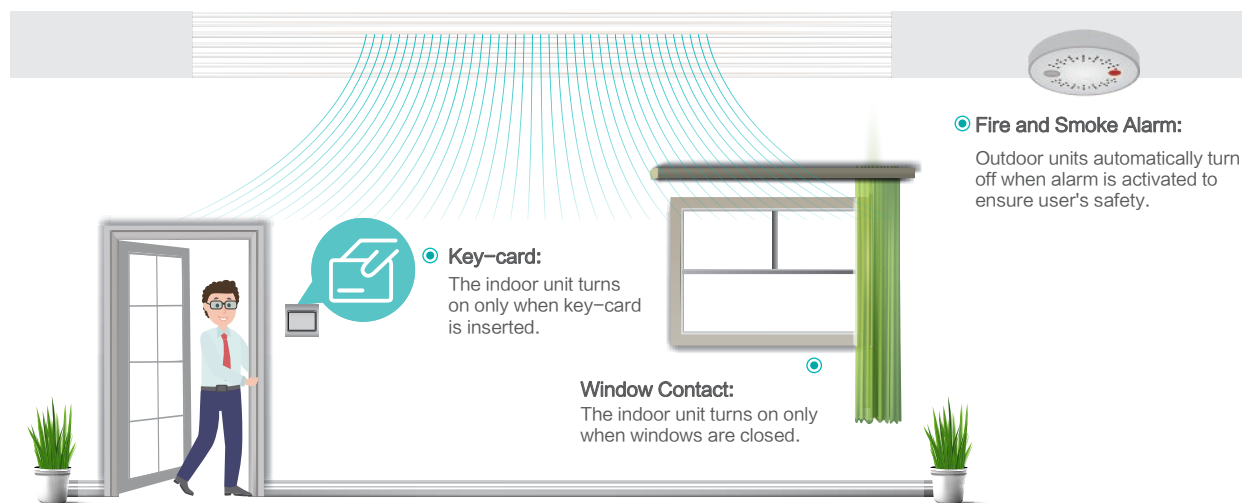
Independent Maintenance of Indoor Units

To remain the whole system operating continuously even if an indoor unit goes breakdown, the system is capable to isolate the malfunction indoor unit from the others while conducting restoration and maintaining continuous operation of other units simultaneously.



Dry Contact Interface

External input & output ports are reserved in indoor units and outdoor units for a wider choice of applications to control the air conditioning system. The key-card control, window contact control and any other third-party sensors or devices control can be available through setting in the indoor units or outdoor units.

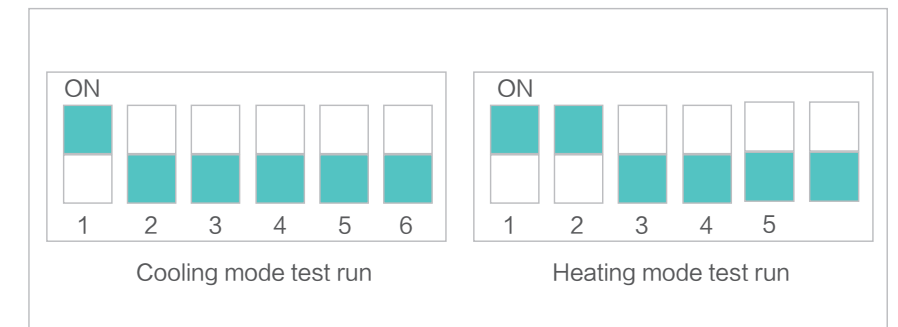


One-touch Test Run

Test run is one of the essential part in testing and commissioning to make sure the air-conditioning system works steadily and safely before handing over or soft opening. To make test run as simple as possible, it's possible to conduct test runs with just a button in the wired controllers indoors or in the PCB of outdoor units.



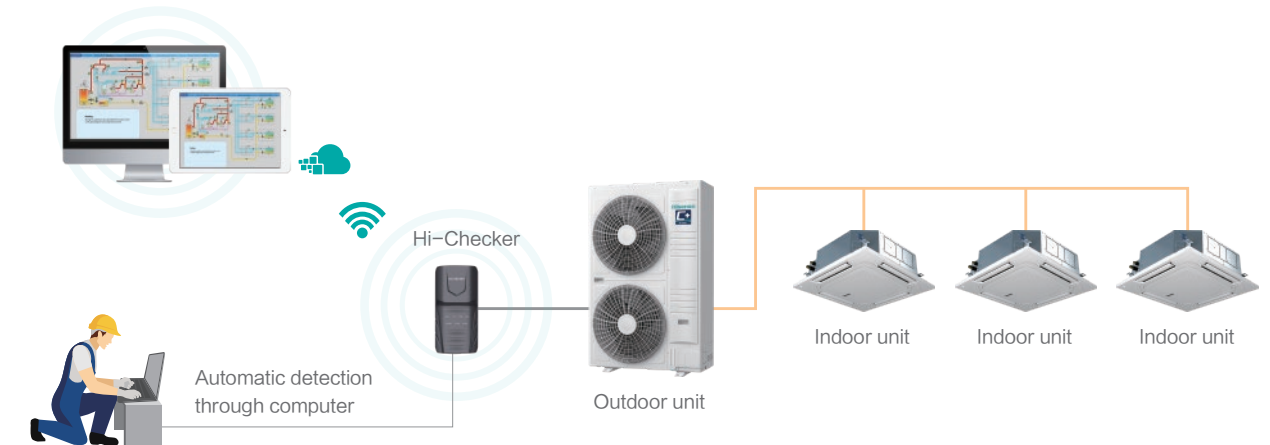
Test run through the wired controller



Test run through the ODU PCB

Hi-Checker

Hi-Checker is an intelligent service tool for system diagnosis, which can enable easy access to service parameters. Detailed operation data and recent error history can be checked and analyzed by using Hi-Checker. Moreover, remote monitoring and diagnosis is available thanks to the cloud-based technology.





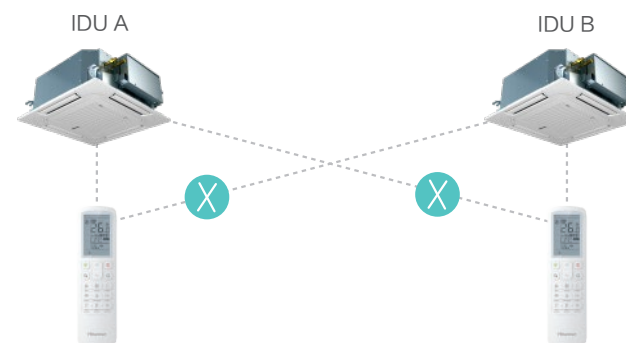
Fast Start No Need Preheating for ODU

When the ambient temperature is above -10°C , the system can start without preheating, achieving quick cool and heat.



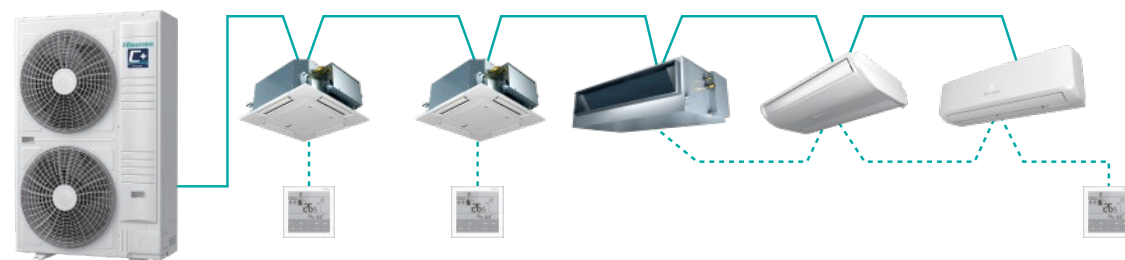
No Adjacent Interference

The control signal from one wireless controller is easy to interfere the adjacent indoor units, causing wrong directives. Hisense VRF has optimized the control logic and been featured with identifying function of indoor units, ensuring correct control of each indoor unit.



H-Net Communication without Polarity

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



OUTDOOR UNIT



Outdoor Unit Specifications



Outdoor Unit Specifications



Capacity (HP)			4.0	5.0	6.0
Model			AVW-41HJFHH1	AVW-48HJFHH1	AVW-54HJFHH1
Power Supply			AC 1 ϕ, 220-240V/50/60Hz		
Cooling	Capacity	kW	12.1	14.0	15.5
		Btu/h	41500	48000	53000
	Power Input	kW	2.80	3.45	4.21
	EER	W/W	4.32	4.05	3.68
Heating	Capacity	kW	14.0	16.0	18.0
		Btu/h	48000	54500	61500
	Power Input	kW	3.18	4.00	4.50
	COP	W/W	4.40	4.00	4.00
Ventilation	Air Flow Rate	m³/min	71	71	71
		dB(A)	53/54	54/55	54/55
	Sound Pressure Level	dB(A)	53/54	54/55	54/55
Weight	Net	kg	88	89	90
	Gross	kg	103	104	105
	Height	mm	990	990	990
Outer Dimensions	Width	mm	950	950	950
	Depth	mm	320	320	320
Packing Dimensions	Height	mm	1126	1126	1126
	Width	mm	1070	1070	1070
	Depth	mm	470	470	470
Cabinet Color			Grayish White		
Ref. Piping	Gas	mm	ϕ 15.88	ϕ 15.88	ϕ 15.88
		in.	5/8	5/8	5/8
	Liquid	mm	ϕ 9.53	ϕ 9.53	ϕ 9.53
		in.	3/8	3/8	3/8
Refrigerant	Type	—	R410A		
	Before Shipment	kg	4.0	4.0	4.0
Connectable Indoor Units	Max. Qty.	pc	8	9	10
	Connection Ratio	%	50-150	50-150	50-150
Piping Design	Max. Piping Length	m	70	70	70
	Total Piping Length	m	135	135	135
	Height Difference Between ODU and IDU	m	40	40	40
		m	30	30	30
Operation Range	Height Difference Between IDUs	m	15	15	15
	Cooling	DB(°C)	(-10°) -5 ~ 48		
	Heating	DB/WB(°C)	-20/-20.5 ~ 26/15.5		

NOTES:

1. The rated cooling and heating capacity are tested in the following conditions:
Cooling Operation Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length : 7.5m, pipe lift: 0m
Heating Operation Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe lift: 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
Measurement point: 1m from the service cover surface and 1.5m from floor level.
3. *1 When the temperature is between -10°C and -5°C, the cooling operation is under interval operation.

Capacity (HP)			4.0	5.0	6.0	4.0	5.0	6.0
Model			AVW-41HJFHH2	AVW-48HJFHH2	AVW-54HJFHH2	AVW-41HKFHH2	AVW-48HKFHH2	AVW-54HKFHH2
Power Supply			AC 1 ϕ, 220-240V/50/60Hz			AC 3 ϕ, 380-415V/50/60Hz		
Cooling	Capacity	kW	12.1	14.0	15.5	12.1	14.0	15.5
		Btu/h	41500	48000	53000	41500	48000	53000
	Power Input	kW	2.79	3.43	4.18	2.79	3.43	4.18
	EER	W/W	4.33	4.08	3.71	4.33	4.08	3.71
Heating	Capacity	kW	14.0	16.0	18.0	14.0	16.0	18.0
		Btu/h	48000	54500	61500	48000	54500	61500
	Power Input	kW	3.08	3.71	4.47	3.08	3.71	4.47
	COP	W/W	4.55	4.31	4.03	4.55	4.31	4.03
Ventilation	Air Flow Rate	m³/min	90	90	100	120	120	127
		dB(A)	52/55	52/55	53/56	52/55	52/55	53/56
	Sound Pressure Level	dB(A)	52/55	52/55	53/56	52/55	52/55	53/56
Weight	Net	kg	106	107	108	112	113	114
	Gross	kg	118	119	120	123	124	125
	Height	mm	1380	1380	1380	1380	1380	1380
Outer Dimensions	Width	mm	950	950	950	950	950	950
	Depth	mm	370	370	370	370	370	370
Packing Dimensions	Height	mm	1531	1531	1531	1531	1531	1531
	Width	mm	1070	1070	1070	1070	1070	1070
	Depth	mm	515	515	515	515	515	515
Cabinet Color			Grayish White					
Ref. Piping	Gas	mm	ϕ 15.88	ϕ 15.88	ϕ 15.88	ϕ 15.88	ϕ 15.88	ϕ 15.88
		in.	5/8	5/8	5/8	5/8	5/8	5/8
	Liquid	mm	ϕ 9.53	ϕ 9.53	ϕ 9.53	ϕ 9.53	ϕ 9.53	ϕ 9.53
		in.	3/8	3/8	3/8	3/8	3/8	3/8
Refrigerant	Type	—	R410A					
	Before Shipment	kg	3.8	3.8	4.1	3.8	3.8	4.1
Connectable Indoor Units	Max. Qty.	pc	9	11	12	9	11	12
	Connection Ratio	%	50-150	50-150	50-150	50-150	50-150	50-150
Piping Design	Max. Piping Length	m	100	100	100	100	100	100
	Total Piping Length	m	150	150	150	150	150	150
	Height Difference Between ODU and IDU	m	50	50	50	50	50	50
		m	40	40	40	40	40	40
Operation Range	Height Difference Between IDUs	m	15	15	15	15	15	15
	Cooling	DB(°C)	(-10°) -5 ~ 48					
	Heating	DB/WB(°C)	-20/-20.5 ~ 26/15.5					

NOTES:

1. The rated cooling and heating capacity are tested in the following conditions:
Cooling Operation Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length : 7.5m, pipe lift: 0m
Heating Operation Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe lift: 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
Measurement point: 1m from the service cover surface and 1.5m from floor level.
3. *1 When the temperature is between -10°C and -5°C, the cooling operation is under interval operation.



Outdoor Unit Specifications

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

NOTES:

1. The rated cooling and heating capacity are tested in the following conditions:
Cooling Operation Conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length : 7.5m, pipe lift: 0m
Heating Operation Conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe lift: 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be taken into consideration at the scene.
Measurement point: 1m from the service cover surface and 1.5m from floor level.
3. *1 When the temperature is between -10°C and -5°C, the cooling operation is under interval operation.



INDOOR UNIT


Indoor Unit Range


HP		0.6	0.8	1.0	1.3	1.5	1.6	1.8	1.9	2.0	2.3	2.5	3.0	3.3	4.0	5.0	6.0	8.0	10.0
kBtu/h		5	7	9	12	14	15	17	18	19	22	24	27	30	38	48	54	76	96
4-Way Cassette Type				●	●		●			●	●	●	●	●	●	●	●		
Mini 4-Way Cassette Type		●	●	●	●		●	●		●									
1-Way Cassette Type			●	●	●	●			●			●							
2-Way Cassette Type			●	●	●	●			●			●	●	●	●	●	●		
Console Type		●	●	●	●		●	●											
Low-height Ceiling Ducted Type		●	●	●	●		●	●		●	●	●							
Ceiling Ducted Type (High Static Pressure)			●	●	●		●	●		●	●	●	●	●	●	●	●	●	●
Wall Mounted Type			●	●	●	●		●		●	●	●							
Ceiling & Floor Type								●	●		●	●	●	●	●	●	●		
Floor Concealed Type				●		●			●			●							
Ventilation Solution				●	●			●		●		●							


Note: More specific capacity information, please see the introduction for each modules.

Functions & Accessories


Installation & Maintenance

**850mm drainage height**
Drain pump helps to smooth drainage of condensate from the indoor unit. The higher drainage height is, the safer drainage system is, especially in large systems with a large number of indoor units.


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


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


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


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


Special Function

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


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


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


**Humidity sensor (optional)**
Indoor units compatible with humidity sensor accessory could access to Auto Dehumidification function on the indoor unit.


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


Basic Function


**Remote control**
Can be remotely controlled using a wireless controller with LCD display

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


**Adjustable louver's position**
Louver position of indoor units can be adjusted into several different angles.


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


**Fan speed**
Selectable Fan Speeds are available.


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

Air Quality

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

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

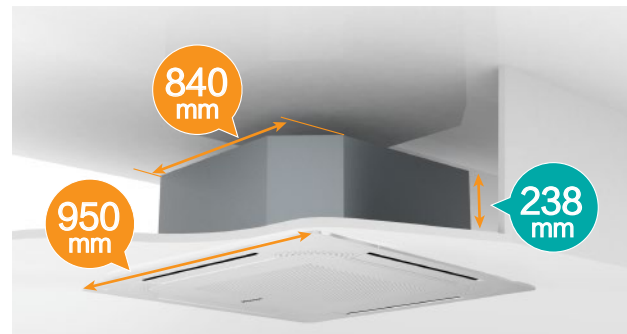
**Optional filter**
Aa a washable long life type, the filter can be used as an option accessory.

**AirPure (optional)**
Achieving air purification by equipping with AirPure kit.

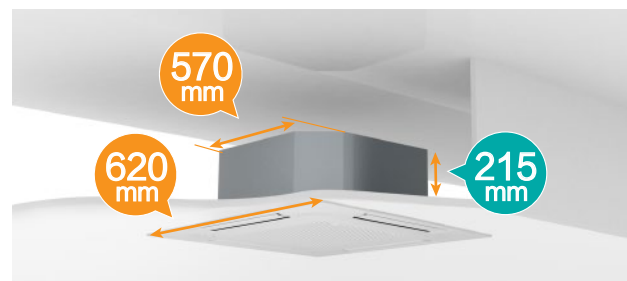
4-Way Cassette Type Mini 4-Way Cassette Type

Compact and Classy Design

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



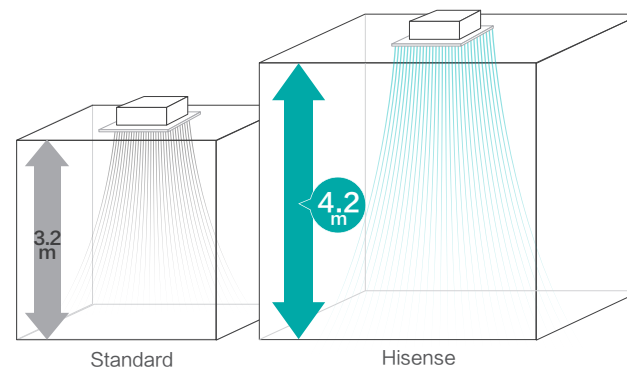
4-Way Cassette Type



Mini 4-way Cassette Type

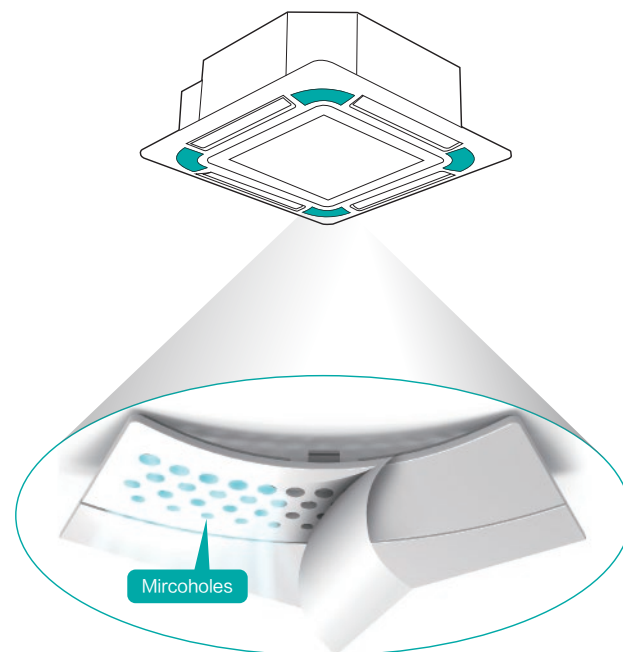
Higher Range Installation

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



Breeze Mode

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



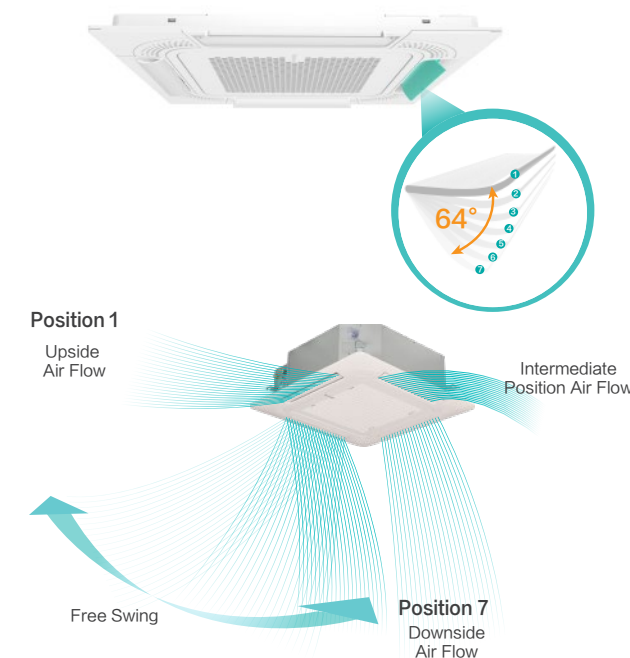
Super Compact Flat Panel

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



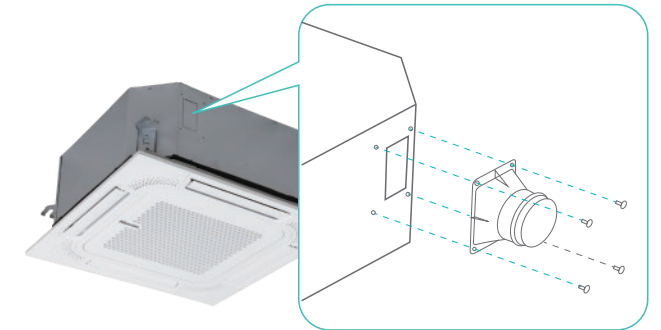
Individual Louver Control

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



Fresh Air Intake (Optional)

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



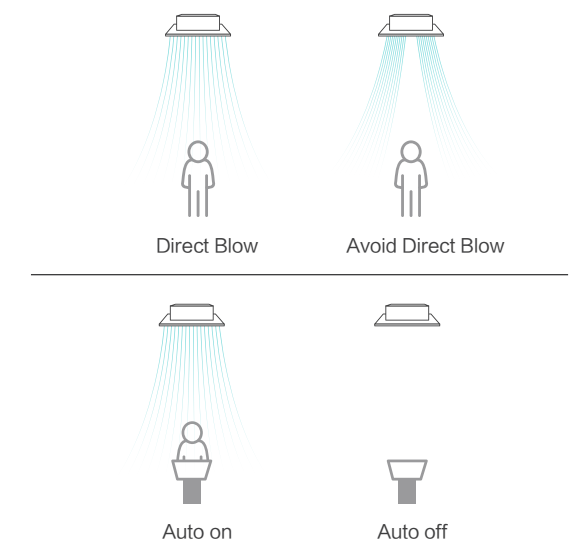
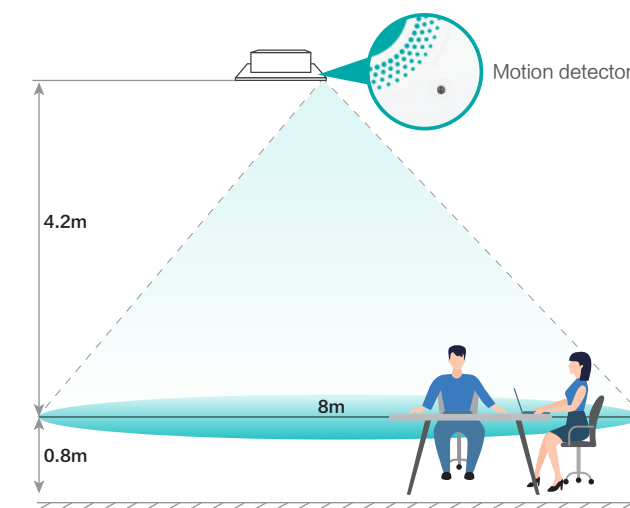
Humidity Sensor(Optional)

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

Motion Sensor (Optional)

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

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



4-Way Cassette Type



Model			AVBC-09 HJFKA	AVBC-12 HJFKA	AVBC-15 HJFKA	AVBC-19 HJFKA	AVBC-22 HJFKA	AVBC-24 HJFKA	AVBC-27 HJFKA	AVBC-30 HJFKA	AVBC-38 HJFKA	AVBC-48 HJFKA	AVBC-54 HJFKA
Power Supply			AC 1Φ,220~240V/50Hz(60Hz)										
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
		Btu/h	9,600	12,300	15,400	19,100	21,500	24,200	27,300	30,700	38,200	47,800	54,600
	Heating	kW	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
		Btu/h	10,900	13,700	17,100	21,500	24,200	27,300	30,700	34,100	42,700	54,600	61,400
Power Input	Cooling	W	14	24	24	34	54	64	54	54	124	124	124
	Heating	W	14	24	24	34	54	64	54	54	124	124	124
Sound Pressure		dB(A)	30/28/28/ 27/26/26	32/29/29/ 28/27/26	33/31/29/ 29/27/26	34/31/30/ 28/28/26	36/33/32/ 31/29/28	36/33/32/ 31/29/28	37/36/35/ 33/31/30	37/36/35/ 33/31/30	42/40/38/ 36/34/33	46/44/40/ 38/36/34	46/44/41/ 40/38/36
Airflow Rate		m³/min	15.0/13.4/ 12.0/10.8/ 10.0/8.8	17.0/14.0/ 12.8/11.8/ 10.8/9.1	21.0/16.0/ 14.9/13.6/ 12.7/11.2	20.0/17.5/ 15.9/15.5/ 13.6/12.5	26.0/20.0/ 18.3/17.0/ 15.1/13.0	27.0/21.0/ 19.1/18.0/ 16.3/14.7	27.0/22.0/ 20.3/18.7/ 16.8/15.4	27.0/23.0/ 20.7/19.6/ 17.7/16.1	37.0/30.0/ 27.4/24.8/ 22.4/19.6	37.0/33.5/ 29.6/27.2/ 24.5/22.4	37.0/34.0/ 30.7/28.9/ 25.6/23.8
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)										
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
		inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain	mm	O.D.32										
Weight	Net Weight	kg	20	20	21	21	23	23	26	26	26	26	26
	Gross Weight	kg	24	24	25	25	27	27	31	31	31	31	31
Dimensions	External	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
Decoration Panel	Model	-	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK
	Panel Colour	-	Neutral White										
	Body Dimensions	H mm	47	47	47	47	47	47	47	47	47	47	47
		W mm	950	950	950	950	950	950	950	950	950	950	950
		D mm	950	950	950	950	950	950	950	950	950	950	950
	Net Weight	kg	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	Gross Weight	kg	8	8	8	8	8	8	8	8	8	8	8

NOTES:

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

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

3. For height of ceiling, the model 09~24 should not exceed 2.7m; the model 27~54 should not exceed 3.2m. If the height exceeds the limit, it may be achieved through the function setting by wired controller. For details, please contact local technical engineer.

Mini 4-Way Cassette Type



Model			AVC-05HJFA	AVC-07HJFA	AVC-09HJFA	AVC-12HJFA	AVC-15HJFA	AVC-17HJFA	AVC-19HJFA
Power Supply			AC 1Φ,220~240V/50Hz/60Hz						
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.0	5.6
		Btu/h	5,100	7,480	9,520	12,240	15,300	17,000	19,040
	Heating	kW	2.0	2.5	3.3	4.2	5.0	5.6	6.3
		Btu/h	6,800	8,500	11,220	14,280	17,000	19,040	21,420
Power Input	Cooling	W	14	14	14	16	22	30	40
	Heating	W	14	14	14	16	22	30	40
Sound Pressure		dB(A)	30/29/28/26	30/29/28/26	32/30/28/26	34/32/29/26	38/36/31/28	42/39/36/31	45/42/38/34
Airflow Rate		m³/min	7.2/6.5/6.2/5.6	7.2/6.5/6.2/5.6	7.8/7.2/6.5/5.8	8.2/7.2/6.5/5.8	9.3/8.7/7.1/6.7	11.0/9.5/8.7/7.1	12.5/10.8/9.3/8.0
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)						
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Condensate Drain	mm	O.D.32						
Weight	Net Weight	kg	14.5	14.5	14.8	14.8	15.8	15.8	15.8
	Gross Weight	kg	17.3	17.3	17.6	17.6	18.6	18.6	18.6
Dimensions	External	H mm	215	215	215	215	215	215	215
		W mm	570	570	570	570	570	570	570
		D mm	570	570	570	570	570	570	570
Decoration Panel	Model	-	HPE-D-NK	HPE-D-NK	HPE-D-NK	HPE-D-NK	HPE-D-NK	HPE-D-NK	HPE-D-NK
	Panel Colour	-	Neutral White						
	Body Dimensions	H mm	37	37	37	37	37	37	37
		W mm	620	620	620	620	620	620	620
		D mm	620	620	620	620	620	620	620
	Net Weight	kg	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	Gross Weight	kg	4.5	4.5	4.5	4.5	4.5	4.5	4.5

NOTES:

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

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

3. For height of ceiling, the model 05~19 should not exceed 2.7m. If the height exceeds the limit, it may be achieved through the function setting by wired controller. For details, please contact local technical engineer.

1-Way Cassette Type

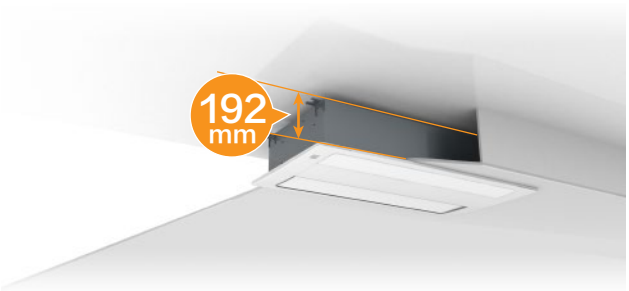
Modern Classic Style Panel

Inspired from ceiling concealed ducted units and integrated with the design of cassette units to present 1-way cassette. High class appearance blends into common white plaster ceilings and practical solution for cornered floor layouts, hotel rooms and residential applications.



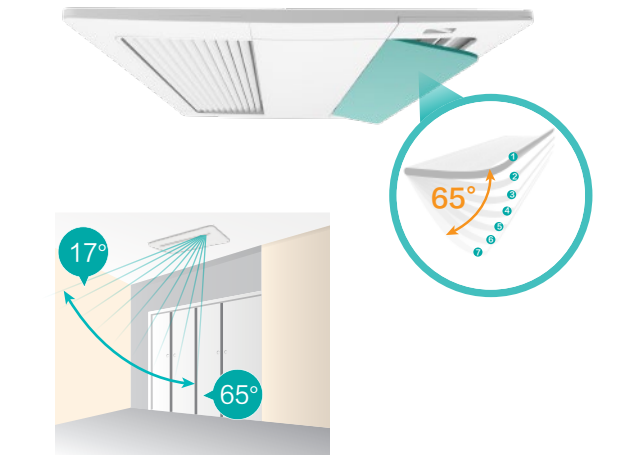
Space Saving

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



Even Air Supply

Louvers consist of horizontal and vertical flaps to supply air evenly to the edges of any rooms. Wider opening angle from 17° to 65° supplies air further and lower down to floor needed during heating modes.



Easier Maintain

The electric box of the cassette is designed and placed beneath the panel. When operate on PCB, it just needs to open the panel and the cover of box. It's easy to take the service, maintenance and commissioning.



1-Way Cassette Type



Model			AVY-07UXJSJA	AVY-09UXJSJA	AVY-12UXJSJA	AVY-14UXJSJA	AVY-18UXJSKA	AVY-24UXJSKA
Power Supply			AC 1Φ,220~240V/50Hz/60Hz					
Capacity	Cooling	kW	2.2	2.8	3.6	4.0	5.6	7.1
		Btu/h	7,500	9,600	12,300	13,600	19,100	24,200
	Heating	kW	2.5	3.2	4.0	4.5	6.3	8.0
		Btu/h	8,500	10,900	13,600	15,400	21,500	27,300
Power Input	Cooling	W	14	14	24	34	34	74
	Heating	W	14	24	34	44	44	94
Sound Pressure		dB(A)	33/32/31/30/29/28	35/34/32/31/29/28	40/36/35/33/30/29	40/36/35/33/30/29	41/39/36/35/33/31	48/46/43/40/37/33
Airflow Rate		m³/min	6.2/5.9/5.6/ 5.1/4.8/4.6	6.6/6.2/5.6/ 5.1/4.8/4.6	8.3/7.3/6.8/ 6.2/5.6/5.1	8.3/7.3/6.8/ 6.2/5.6/5.1	12.1/9.9/8.8/ 8.2/7.8/6.6	15.6/12.6/11.2/ 9.9/8.4/7.1
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)					
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88
		inch	1/2	1/2	1/2	1/2	5/8	5/8
	Condensate Drain	mm	I.D.32					
Weight	Net Weight	kg	19	19	20	20	24	24
	Gross Weight	kg	23	23	24	24	29	29
Dimensions	External	H mm	192	192	192	192	192	192
		W mm	910	910	910	910	1180	1180
		D mm	470	470	470	470	470	470
Decoration Panel	Model	-	HP-D-NA	HP-D-NA	HP-D-NA	HP-D-NA	HP-E-NA	HP-E-NA
	Panel Colour	-	Neutral White					
	Body Dimensions	H mm	55	55	55	55	55	55
		W mm	1100	1100	1100	1100	1370	1370
		D mm	550	550	550	550	550	550
	Net Weight	kg	5	5	5	5	6	6
	Gross Weight	kg	8	8	8	8	10	10

NOTES:

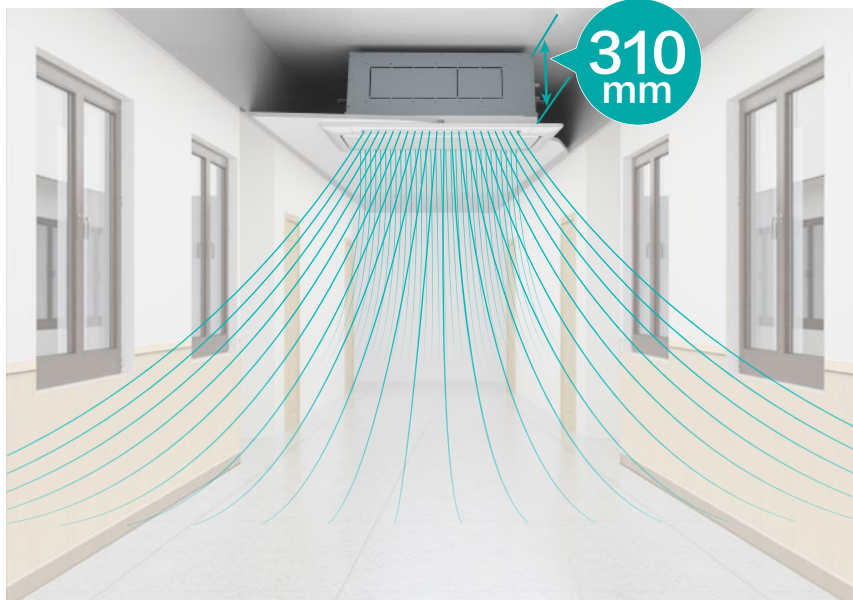
1. The nominal cooling capacity is based on the following conditions:
Indoor Air Inlet Temperature: 27°C DB (80° F DB), 19.0°C WB(66.2° F WB)
Outdoor Air Inlet Temperature: 35°C DB(95° F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter

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

2-Way Cassette Type

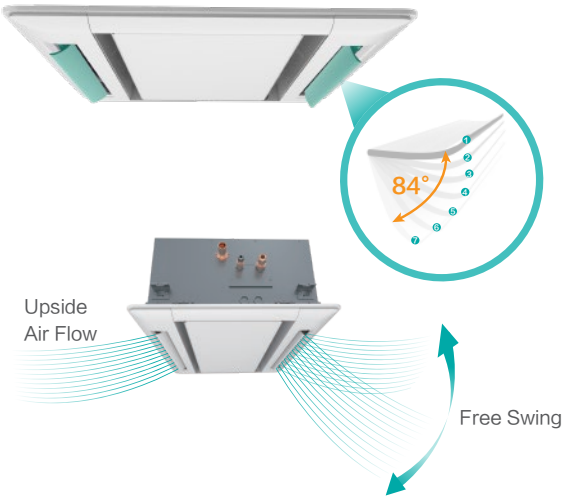
Compact and Classy Design

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



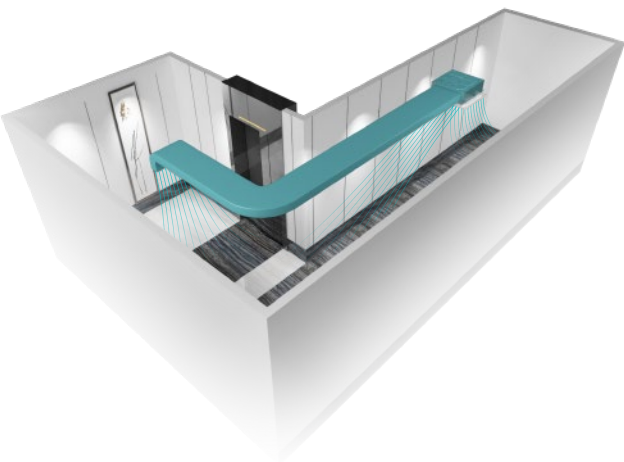
Individual Louver Control

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



Branch Discharge Option

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



2-Way Cassette Type



Model			AVL-07 UXJSGA	AVL-09 UXJSGA	AVL-12 UXJSGA	AVL-14 UXJSGA	AVL-18 UXJSGA	AVL-24 UXJSGA	AVL-27 UXJSGA	AVL-30 UXJSGA	AVL-38 UXJSHA	AVL-48 UXJSHA	AVL-54 UXJSHA	
Power Supply			AC 1 Φ,220-240V/50Hz/60Hz											
Capacity	Cooling	kW	2.2	2.8	3.6	4.3	5.6	7.1	8.4	9.0	11.2	14.0	16.0	
		Btu/h	7,500	9,600	12,300	14,700	19,100	24,200	28,700	30,700	38,200	47,800	54,600	
	Heating	kW	2.8	3.3	4.0	4.9	6.5	8.0	9.0	10.0	13.0	16.0	18.0	
		Btu/h	9,600	11,300	13,600	16,700	22,200	27,300	30,700	34,100	44,400	54,600	61,400	
Power Input	Cooling	W	14	14	14	24	34	44	64	74	84	104	114	
	Heating	W	14	14	14	24	34	44	64	74	84	104	114	
Sound Pressure		dB(A)	32/30/ 29/27	33/30/ 29/28	34/31/ 30/28	40/37/ 34/32	42/39/ 36/33	45/42/ 40/36	47/44/ 40/36	49/46/ 42/37	46/44/ 40/38	48/45/ 42/38	49/46/ 43/40	
Airflow Rate		m³/min	10.0/8.5/ 7.2/6.0	11.0/9.4/ 8.2/6.6	12.0/10.5/ 8.9/7.5	15.0/13.2/ 11.5/9.9	17.0/14.9/ 13.0/11.2	19.0/16.4/ 14.3/12.3	21.0/18.4/ 15.6/12.6	22.0/19.3/ 16.3/13.1	30.0/26.4/ 23.1/19.8	35.0/30.8/ 26.9/21.1	37.0/32.5/ 28.4/24.1	
Piping	Connection Type	—	Flare-nut Connection(with Flare Nuts)											
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	
	Gas	mm	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	
		inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	
	Condensate Drain	mm	I.D.32											
Weight	Net Weight	kg	22	22	22	24	24	24	24	24	39	39	39	
	Gross Weight	kg	28	28	28	30	30	30	30	30	47	47	47	
Dimensions	External	H mm	298	298	298	298	298	298	298	298	298	298	298	
		W mm	860	860	860	860	860	860	860	860	1420	1420	1420	
		D mm	630	630	630	630	630	630	630	630	630	630	630	
Decoration Panel	Model	—	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-F-NA	HP-F-NA	HP-F-NA	
	Panel Colour	—	Neutral White											
	Body Dimensions	H mm	30	30	30	30	30	30	30	30	30	30	30	
		W mm	1100	1100	1100	1100	1100	1100	1100	1100	1100	1660	1660	1660
		D mm	710	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	7.5	10.5	10.5	10.5
Gross Weight	kg	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	17.8	17.8	17.8	

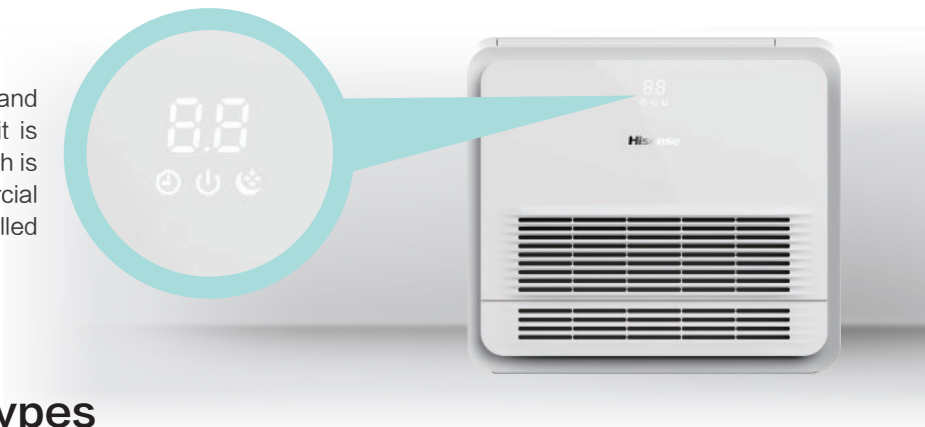
NOTES:

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

Console Type

Stylish Design

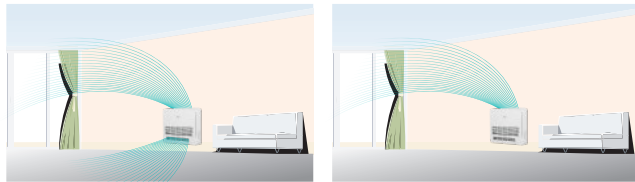
With smooth white cover, LED shown and temperature display, the console unit is an super stylish air-conditioning, which is suitable for the residential or commercial applications which need an unit installed on or close to the floor.



Multiple Blowing Types

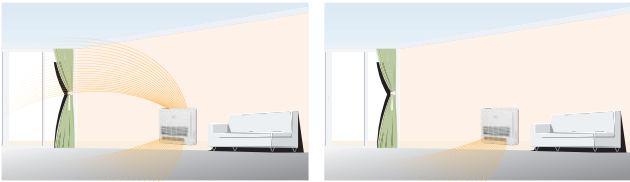
Cooling Mode

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



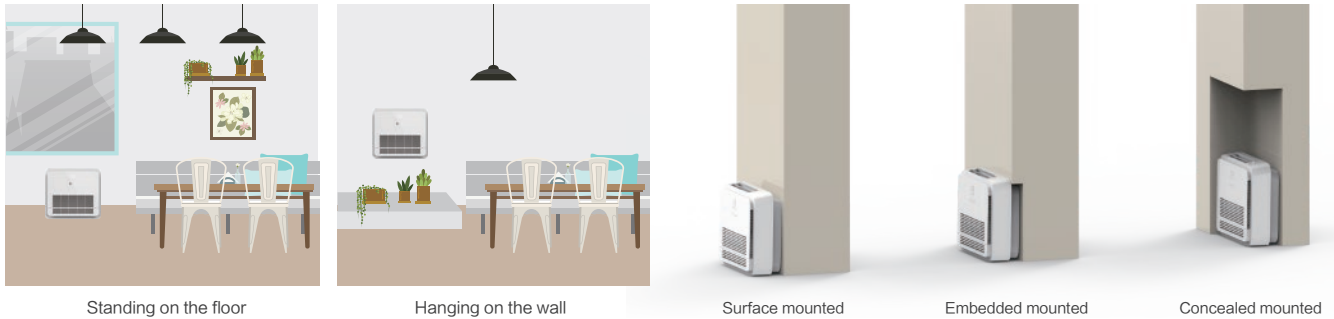
Heating Mode

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



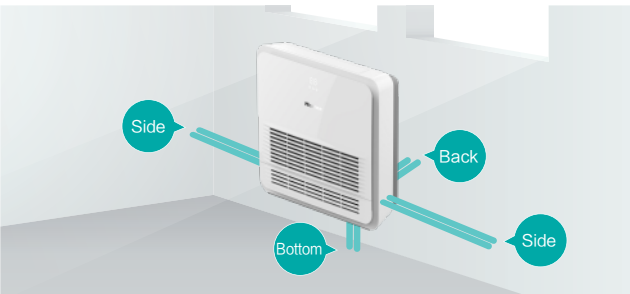
Flexible Installation Options

The unit can stand directly on the floor, or be hung on the wall. According to the interior decoration style, the machine can choose surface mounted, embedded mounted, concealed mounted.



Flexible Piping Connection

Both refrigerant and drainage pipings are freely to connect in any direction including two sides(L or R) and bottom and back. An additional direction to the back of the unit suitable for pipes which passing through walls.



Console Type

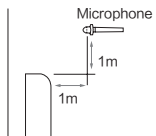


Model			AVK-05HJFCAA	AVK-07HJFCAA	AVK-09HJFCAA	AVK-12HJFCAA	AVK-15HJFCAA	AVK-17HJFCAA
Power Supply			AC 1 Φ,220V~240V/50Hz/60Hz					
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.0
		Btu/h	5,100	7,500	9,600	12,300	15,300	17,100
	Heating	kW	2.0	2.5	3.3	4.2	5.0	5.6
		Btu/h	6,800	8,500	11,200	14,300	17,000	19,100
Power Input	Cooling	W	10	11	12	14	18	23
	Heating	W	10	11	12	14	18	23
Sound Pressure		dB(A)	32/30/29/28/26/24	34/32/31/29/27/26	36/35/32/31/29/27	39/36/34/31/29/27	41/39/37/35/33/32	44/43/41/39/37/36
Airflow Rate		m³/min	6.0/5.7/5.3/	7.4/7.0/6.4/	8.0/7.4/7.0/	8.2/7.6/6.8/	9.0/8.5/7.8/	10.1/9.7/9.0/
			5.1/4.7/4.5	6.0/5.6/5.3	6.4/6.0/5.6	6.2/5.7/5.3	7.2/6.6/6.4	8.5/7.9/7.3
Panel Colour		—	Pure White					
Piping	Connection Type	—	Flare-nut Connection(with Flare Nuts)					
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35
		inch	1/4	1/4	1/4	1/4	1/4	1/4
	Gas	mm	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7
		inch	1/2	1/2	1/2	1/2	1/2	1/2
	Condensate Drain	mm	O.D.18					
Weight	Net Weight	kg	16.1	16.1	16.1	17.4	17.4	17.4
	Gross Weight	kg	20.6	21.1	21.1	21.5	21.5	21.5
Dimensions	External	H mm	630	630	630	630	630	630
		W mm	700	700	700	700	700	700
		D mm	225	225	225	225	225	225

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)

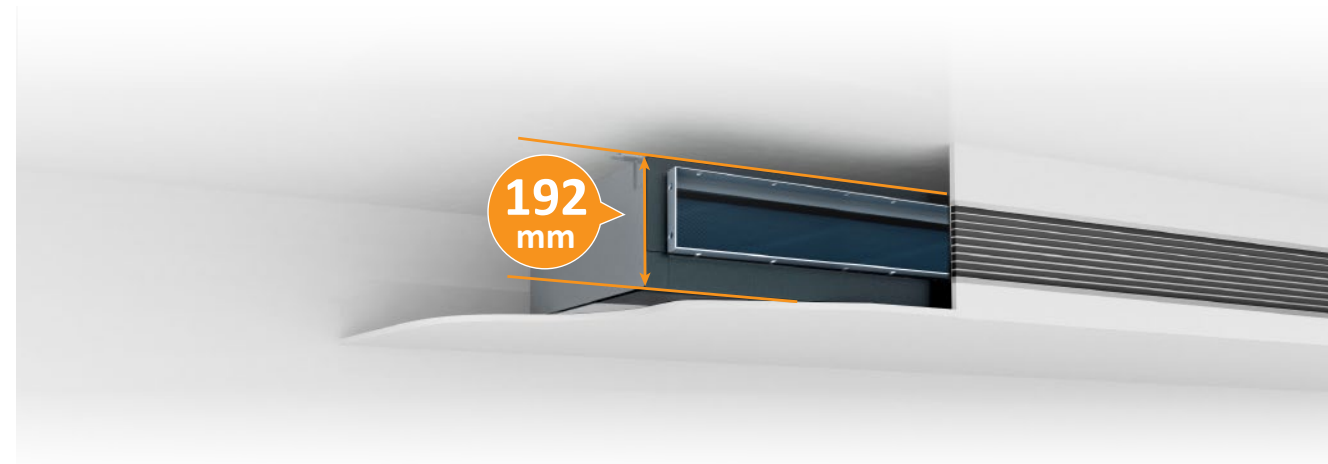
2. The sound pressure level is based on following conditions:
It is measured in anechoic room. Operation noise differs with operation and ambient conditions.
Location of Microphone:



Ceiling Ducted Type

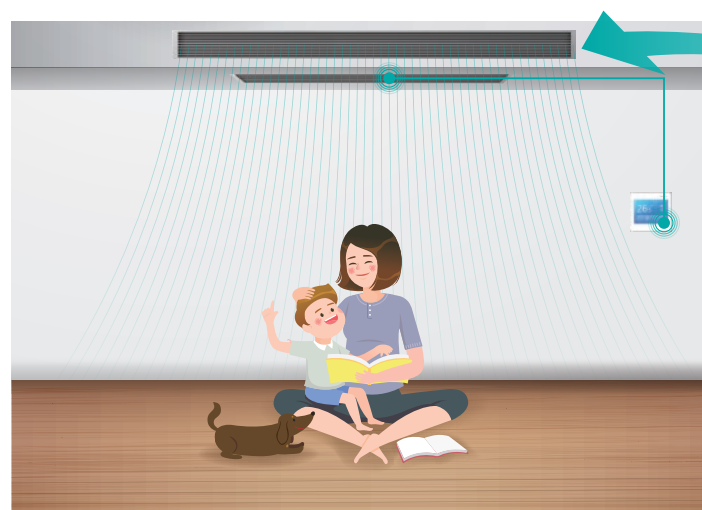
Space Saving

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



Smart & Precise Temperature Control

To make the human height area of the room cool or warm to user's ideal temperature setting, the unit has the remote temperature control technology. When people choose the controller built-in temperature sensor, that temperature signal can be sent to the unit for a more precise supplying temperature.



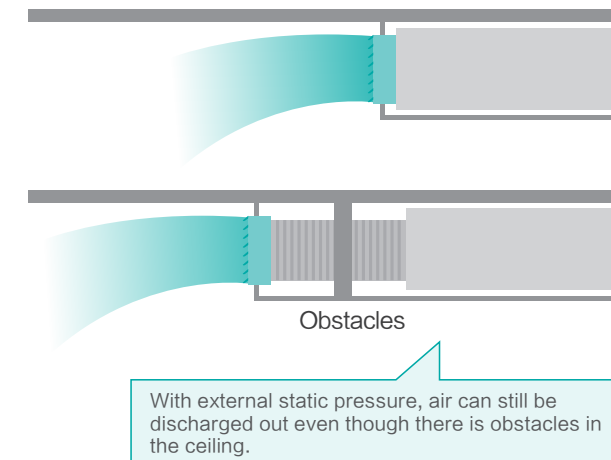
Hisense VRF

Temperature Sensor



Adjustable Static Pressure*

Sometimes the static pressures in free supply applications would create unnecessary air-blowing noises. The fan's static pressure is made adjustable to suit different applications more precisely with smaller adjustment steps.



*: Low Height and High Static Pressure Ceiling Ducted Unit have different number of static pressure choices, please refer to the specifications for more detail information.

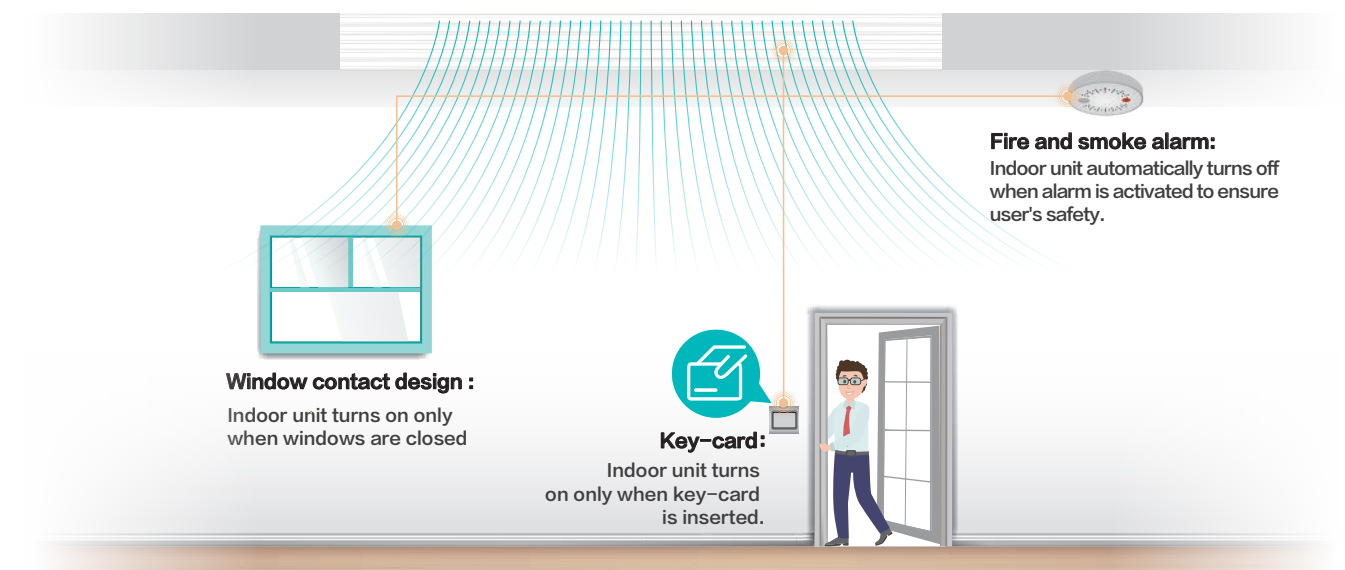
New Improved Bendable Filters

Standard filters that come with Low Height Ducted Units are now improved to be bendable by improving the material's malleability to improve installation flexibility in narrow ceiling height and restricted spaces.



Various Device Connection Options

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



Ceiling Ducted Type



Model			AVE-05 HJFDL	AVE-07 HJFDL	AVE-09 HJFDL	AVE-12 HJFDL	AVE-15 HJFDL	AVE-17 HJFDL	AVE-19 HJFDL	AVE-22 HJFDL	AVE-24 HJFDL
Power Supply			AC 1 Φ, 220V~240V/50Hz/60Hz								
Capacity	Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1
		Btu/h	5,800	7,500	9,600	12,300	15,300	17,100	19,100	21,500	24,200
	Heating	kW	1.9	2.5	3.2	4.0	5.0	5.6	6.3	7.1	8.0
		Btu/h	6,500	8,500	11,300	13,600	17,100	19,100	21,500	24,200	27,300
Power Input	Cooling	W	35	35	64	64	65	65	60	100	100
	Heating	W	35	35	64	64	65	65	60	100	100
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
Airflow Rate		m³/min	7.0/6.5/6.1/ 5.7/5.3/4.8	7.0/6.5/6.1/ 5.7/5.3/4.8	9.0/8.1/7.3/ 6.7/5.9/5.2	9.0/8.1/7.3/ 6.7/5.9/5.2	12/10.8/9.4/ 8.1/6.8/5.5	12/10.8/9.4/ 8.1/6.8/5.5	13.5/12.5/11.2/ 10.0/8.8/7.7	18/16.1/14.3/ 12.3/10.5/8.7	18/16.1/14.3/ 12.3/10.5/8.7
External Static Pressure		Pa	10(0~10~50)	10(0~10~50)	10(0~10~50)	10(0~10~50)	10(0~10~50)	10(0~10~50)	10(0~10~50)	10(0~10~50)	10(0~10~50)
Piping	Connection Type	-	Flare~nut Connection(with Flare Nuts)								
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53
		inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3/8	3/8
	Gas	mm	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70	Φ 15.88	Φ 15.88	Φ 15.88
		inch	1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8
	Condensate Drain	mm	I.D.32								
Weight	Net Weight	kg	16	16	17	17	20	20	24	24	24
	Gross Weight	kg	19	19	20	20	24	24	29	29	29
Dimensions	External	H mm	192	192	192	192	192	192	192	192	192
		W mm	700	700	700	700	910	910	1180	1180	1180
		D mm	447	447	447	447	447	447	447	447	447

- NOTES:
1. The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27℃ DB(80° F DB), 19.0℃ WB(66.2° F WB)
Outdoor Air Inlet Temperature: 35℃ DB(95° F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20℃ DB(68° F DB).
Outdoor Air Inlet Temperature: 7℃ DB(45° F DB), 6℃ WB(43° F WB)
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

Ceiling Ducted Type (High Pressure)



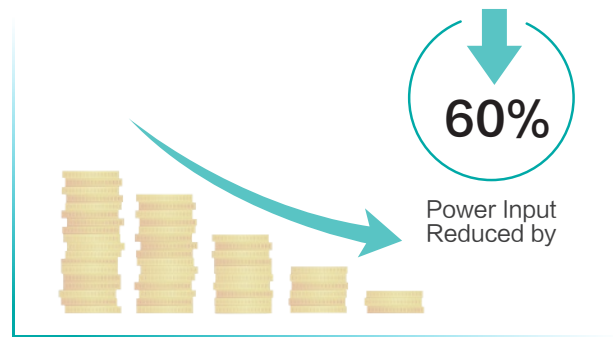
Model			AVD-07 UXCSAH	AVD-09 UXCSAH	AVD-12 UXCSAH	AVD-14 UXCSAH	AVD-17 UXCSBH	AVD-18 UXCSBH	AVD-22 UXCSBH	AVD-24 UXCSBH	AVD-27 UXCSCH	AVD-30 UXCSCH	AVD-38 UXCSCH	AVD-48 UXCSCH	AVD-54 UXCSCH	AVD-76 UX6SEH*1	AVD-96 UX6SFH*1
Power Supply			AC 1 Φ, 220V~240V/50Hz														
Capacity	Cooling	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2	16.0	22.4	28.0
		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
	Heating	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
		Btu/h	9,600	11,300	14,300	16,700	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600	61,400	85,300	107,500
Power Input	Cooling	W	110	110	150	150	150	150	150	190	300	300	300	430	430	1030	1280
	Heating	W	110	110	150	150	150	150	150	190	300	300	300	430	430	1030	1280
Sound Pressure		dB(A)	33/31/29	33/31/29	33/31/29	33/31/29	34/32/30	34/32/30	36/34/32	36/34/32	41/39/34	41/39/34	43/40/36	44/41/36	43/40/37	52	54
Airflow Rate		m³/min	8.0/7.0/6.0	8.0/7.0/6.0	13.0/11.0/9.0	13.0/11.0/9.0	15.0/13.0/11.0	15.0/13.0/11.0	16.0/14.0/12.0	16.0/14.0/12.0	26.7/23/19.1	26.7/23/19.1	26.7/23/19.1	35.0/29.1/24.1	35.8/30.0/25.8	58.0	77.5
External Static Pressure		Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	120(90)	120(90)	120(90)	120(90)	120(90)	120(90)	220	220
Piping	Connection Type	-	Flare~nut Connection(with Flare Nuts)														Brazing
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53
		inch	1/4	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 19.05	Φ 22.2
		inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	3/4	7/8
	Condensate Drain	mm	I.D.32														
Weight	Net Weight	kg	25	25	25	25	34	34	34	34	44	44	44	56	56	94	106
	Gross Weight	kg	33	33	33	33	41	41	41	41	54	54	54	68	68	106	111
Dimensions	External	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

- NOTES:
1. The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27℃ DB(80° F DB), 19.0℃ WB(66.2° F WB)
Outdoor Air Inlet Temperature: 35℃ DB(95° F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions
Indoor Air Inlet Temperature: 20℃ DB(68° F DB).
Outdoor Air Inlet Temperature: 7℃ DB(45° F DB), 6℃ WB(43° F WB)
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
With discharge duct (2.0m) and return duct(1.0m)
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.
3. When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.
*1: AC 3 Φ, 380V/50Hz, *2: AC 3 Φ, 380V/60Hz

Wall Mounted Type

High-efficiency DC Fan Motor

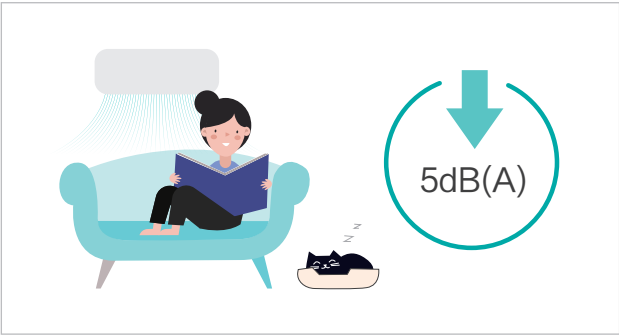
The power consumption of the unit with DC fan motor can be reduced greatly in comparison to the old AC product. The minimum power consumption is only 20W, which is reduced by 60%. It can achieve low-cost operation.



Optimal Noise Control

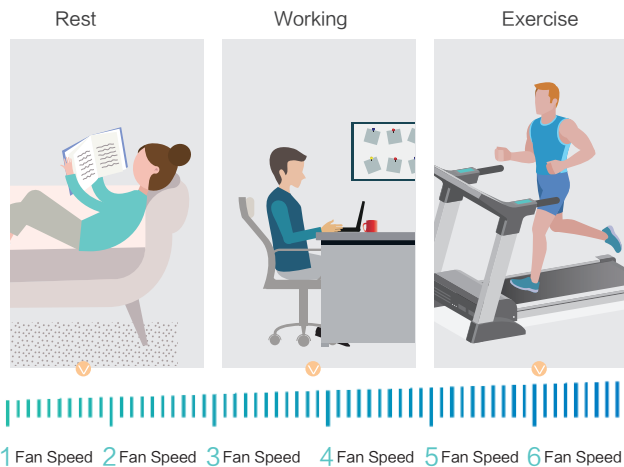
The low-noise DC fan motor and the enhanced vibration pad on the distribution pipe and EEV will ensure a quieter operation. Besides, with Hisense special smart noise reduction technology, the operation noise can also be decreased effectively. During the high airflow operation, maximum 5dB(A)* is decreased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

Take AVS-12 as an example



6 Fan Speed

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



Easy Installation

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



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



Wall Mounted Type



Model			AVS-05 HJFDJD	AVS-07 HJFDJD	AVS-09 HJFDJD	AVS-12 HJFDJD	AVS-15 HJFDJD	AVS-18 HJFDJD	AVS-24 HJFDJD	AVS-28 HJFDJD
Power Supply			AC 1Φ, 220V~240V/50Hz/60Hz							
Capacity	Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.4
		Btu/h	5,800	7,500	9,600	12,300	15,400	19,100	24,200	28,700
	Heating	kW	2.0	2.5	3.3	4.0	5.0	6.3	8.0	8.4
		Btu/h	6,500	8,500	11,300	13,700	17,100	21,500	27,300	28,700
Power Input	Cooling	W	20	20	20	30	20	30	50	80
	Heating	W	20	20	20	30	30	30	70	80
Sound Pressure		dB(A)	33/32/32/ 30/30/28	36/35/33/ 32/30/28	36/35/33/ 32/30/28	38/35/33/ 32/30/28	38/37/36/ 32/31/29	40/38/36/ 35/33/31	45/42/41/ 38/35/31	50/48/45/ 41/36/33
Airflow Rate		m³/h	520/500/490/ 450/430/420	590/550/520/ 490/450/420	590/550/520/ 490/450/420	620/550/520/ 490/450/420	690/660/620/ 540/520/480	970/900/850/ 800/730/690	1200/1080/1020/ 900/800/700	1400/1320/1200/ 1020/850/730
Panel Colour		–	White							
Piping	Connection Type	–	Flare Nuts							
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8
	Gas	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ12.70	Φ15.88	Φ15.88	Φ15.88
		inch	3/8	3/8	3/8	3/8	1/2	5/8	5/8	5/8
	Drain Pipe	mm	O.D. 18							
Weight	Net Weight	kg	9.0	9.0	9.0	9.0	12.5	14.0	14.0	14.0
	Gross Weight	kg	12.5	12.5	12.5	12.5	17.0	18.5	18.5	18.5
Demensions	External	H mm	270	270	270	270	315	315	315	315
		W mm	815	815	815	815	915	1085	1085	1085
		D mm	203	203	203	203	230	230	230	230
Wireless Remote Controller (Standard)		–	HYE-W01							

NOTES:

1. The rated capacity is based on the following conditions:
Cooling conditions: indoor air inlet temperature: 27°C DB, 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m
Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB, 6°C WB, pipe length: 7.5m, pipe height difference: 0m
2. The above noise values are measured in an anechoic chamber so that reflected sound should be taken into consideration during actual operation.
The above noise values are measured under the fan mode operation, and measured at a point 1m in front of the unit and 0.8m below the unit.

Ceiling & Floor Type

Sleek Smooth Design

Shiny White cover panel of the unit has an streamlined elegant aesthetic. The bolts and nuts, which used to secure the unit onto walls or ceiling, are designed to be concealed in the unit for a sleek room interior look.



Flexible Installation

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

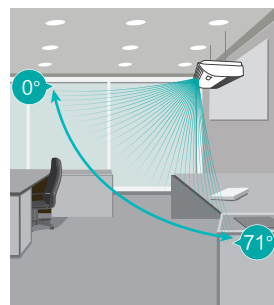
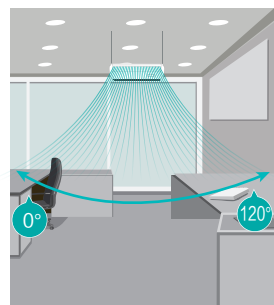


Hanging on the wall

Standing on the floor

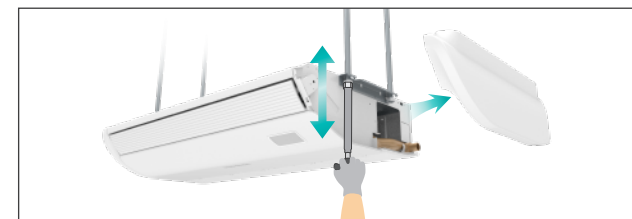
Wide Air Supply

Louvers are consist of horizontal and vertical flaps to cover larger coverage area to the edges of any rooms. Wider opening angle from up to 120° for vertical louvers and up to 71° for horizontal louvers supplies air further and lower down to floor needed during heating modes.



Convenient Installation and Maintenance

Adjust the ceiling or wall mounting height by just opening the side panels without the need to access the internal parts. Service manholes are unnecessary due to the strategic repositioning of piping connections and electrical box behind the air return panel, service and clean the filter all in the same compartment.



Ceiling & Floor Type



Model			AVV-17URSCA	AVV-18URSCA	AVV-22URSCA	AVV-24URSCA	AVV-27URSCB	AVV-30URSCB	AVV-38URSCB	AVV-48URSCC
Power Supply			AC 1Φ, 220V~240V/50Hz/60Hz							
Capacity	Cooling	kW	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2
		Btu/h	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500
	Heating	kW	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3
		Btu/h	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600
Power Input	Cooling	W	40	40	70	70	70	80	130	160
	Heating	W	40	40	70	70	70	80	130	160
Sound Pressure	Ceiling	dB(A)	39/35/30	39/35/30	45/41/37	45/41/37	43/39/34	45/40/36	51/46/40	50/46/42
	Floor	dB(A)	43/38/35	43/38/35	48/44/40	48/44/40	46/41/37	48/43/39	54/49/43	55/50/46
Airflow Rate		m³/min	13.0/11.0/9.0	13.0/11.0/9.0	16.1/14.0/11.3	16.1/14.0/11.3	18.2/15.2/12.2	19.4/16.3/13.3	24.8/20.5/16.3	33.0/28.0/23.0
Speed-up Setting HH1		m³/min	14.2	14.2	17.8	17.8	19.8	21.2	27.0	36.0
Speed-up Setting HH2		m³/min	16.0	16.0	20.0	20.0	22.3	23.5	29.2	37.4
Panel Colour		-	-							
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)							
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53
		inch	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88
		inch	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain	mm	I.D.32							
Weight	Net Weight	kg	31	31	32	32	39	40	41	47
	Gross Weight	kg	38	38	39	39	46	47	48	56
Dimensions	External	H mm	230	230	230	230	230	230	230	230
		W mm	990	990	990	990	1285	1285	1285	1580
		D mm	680	680	680	680	680	680	680	680

NOTES:

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

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

Floor Concealed Type

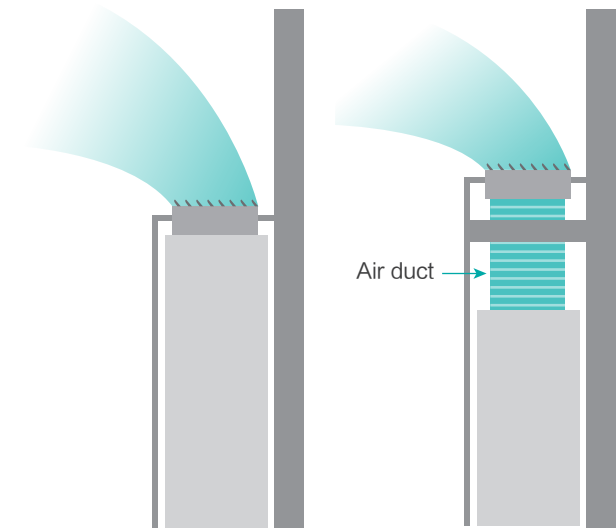
Space Saving

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



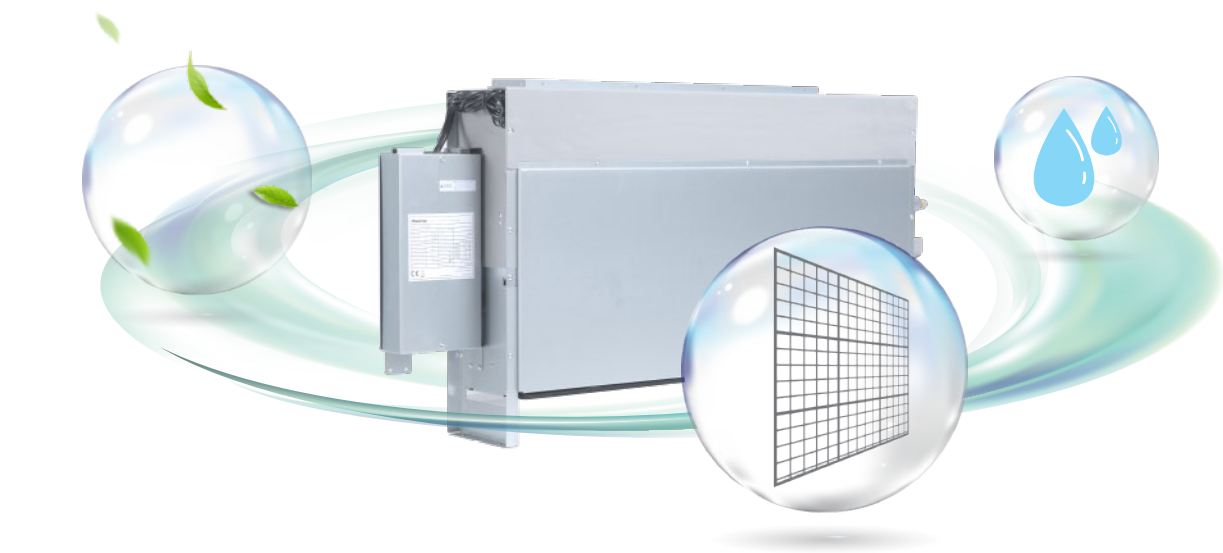
Flexible Installation

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

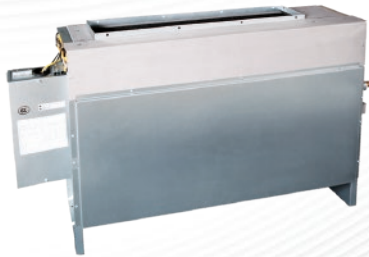


Connectable Devices

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



Floor Concealed Type



Model			AVH-09UXCSAA	AVH-14UXCSAA	AVH-18UXCSBA	AVH-24UXCSBA
Power Supply			AC 1 ϕ, 220V~240V/50Hz			
Model			AVH-09UX2SAA	AVH-14UX2SAA	AVH-18UX2SBA	AVH-24UX2SBA
Power Supply			AC 1 ϕ, 220V/60Hz			
Capacity	Cooling	kW	2.8	4.3	5.6	7.1
		Btu/h	9,600	14,700	19,100	24,200
	Heating	kW	3.3	4.9	6.5	8.5
		Btu/h	11,300	16,700	22,200	29,000
Power Input	Cooling	W	50	80	90	120
	Heating	W	50	80	90	120
Sound Pressure		dB(A)	34/31/27	40/36/34	41/36/32	44/40/36
Airflow Rate		m³/min	8.5/7.5/6.3	10.3/9.0/8.0	14.8/12.3/10.5	16.3/13.8/11.8
Piping	Connection Type	—	Flare-nut Connection(with Flare Nuts)			
	Liquid	mm	ϕ6.35	ϕ6.35	ϕ6.35	ϕ9.53
		inch	1/4	1/4	1/4	3/8
	Gas	mm	ϕ12.7	ϕ12.7	ϕ15.88	ϕ15.88
		inch	1/2	1/2	5/8	5/8
	Condensate Drain	mm	I.D. 32			
Weight	Net Weight	kg	18	22	26	27
	Gross Weight	kg	30	31	37	37
Dimensions	External	H mm	620	620	620	620
		W mm	948+139	948+139	1218+139	1218+139
		D mm	202	202	202	202
External Static Pressure		Pa	10(30)	10(30)	10(30)	10(30)

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.

Ventilation Solution

HKF D1EC



HKF D1EC TECHNICAL CHARACTERISTICS

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

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

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

Integrated pressure switch for dirty filter signal
- Motorised heat recovery by-pass device, automatically controlled by unit control to use fresh air free-cooling when convenient

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

Duct connections by circular plastic collars

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

HKF D1EC/C



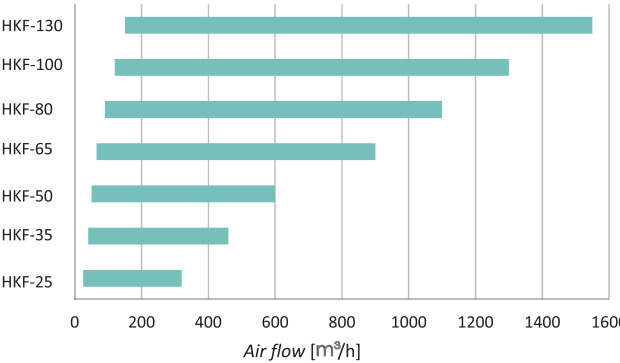
HKF D1EC/C TECHNICAL CHARACTERISTICS

- In addition to the same parameters above described, this type of unit has other characters:
- Supply section for Hisense VRF system complete with DX(R410A) coil fitted with thermostatic valve, refrigerant filter, sensors on liquid and gas pipe, temperature sensors in outlet and inlet.
- Built-in PCB to control fan speed and air temperature.

Options

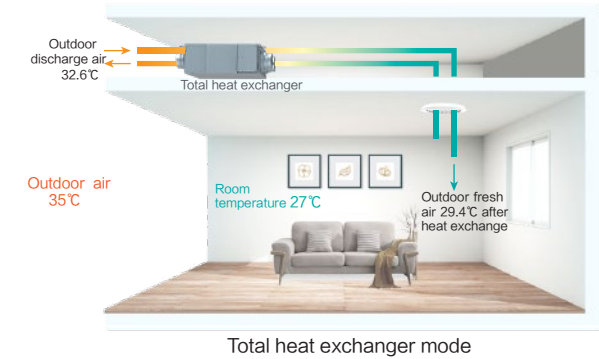
- Touch screen controller- PTS*
- CO2 wall mount sensor- QSW
- Humidity wall mount sensor - USW
- Duct circular sound attenuator- SLC
- Purifying system BIOXIGEN® BIOX

Note: *It is necessary when you choose HKF D1EC



Energy saving analysis

Summer energy saving analysis



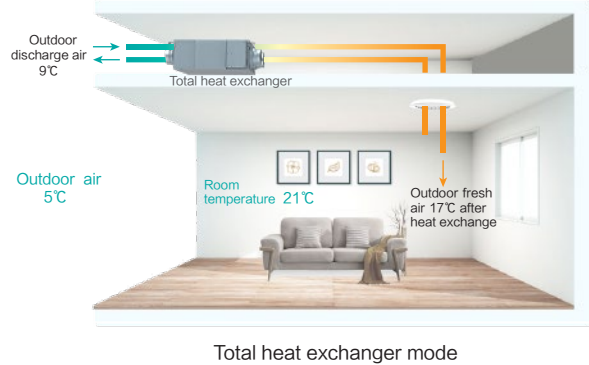
Air Inlet		Total Heat Exchanger	Traditional Ventilation Fan
Dry Bulb Temperature	°C	29.4	35
Wet Bulb Temperature	°C	23.3	28
Moisture Content	g/kg	15.7	21.1
Relative Humidity	%	60.1	59.1
Enthalpy Value	kJ/kg(DA)	69.8	89.4
Recycling Cold	kW	1.57	0
Heat Load	kW	2.8	2.8

Indoor Air		Outdoor Air
Dry Bulb Temperature	°C	35
Wet Bulb Temperature	°C	28
Relative Humidity	%	59.1
Enthalpy Value	kJ/kg(DA)	89.4

Air Conditioning		Discharge Air
Dry Bulb Temperature	°C	27
Wet Bulb Temperature	°C	19.5
Relative Humidity	%	49.8
Enthalpy Value	kJ/kg(DA)	55.5

In summer operation, when the cold energy of 27°C air discharged from indoor pass through the heat exchanger, the 35°C outdoor hot air is pre-cooled to 29.4°C fresh air and supplied to indoors, as shown above, the air conditioner only needs to cool the air by 2.4°C to maintain a comfortable room temperature and fresh air. In this process, the discharge air pre-cools the fresh air by HRV, The temperature recovery efficiency in cooling is 70% max, and enthalpy exchange efficiency is 57% max.

Winter energy saving analysis



Air Inlet		Total Heat Exchanger	Traditional Ventilation Fan
Dry Bulb Temperature	°C	17	5
Wet Bulb Temperature	°C	9.4	2
Moisture Content	g/kg	4.2	6
Relative Humidity	%	35.3	58.5
Enthalpy Value	kJ/kg(DA)	27.8	12.9
Recycling Cold	kW	1.3	0
Heat Load	kW	2	2

Indoor Air		Outdoor Air
Dry Bulb Temperature	°C	5
Wet Bulb Temperature	°C	2
Relative Humidity	%	58.5
Enthalpy Value	kJ/kg(DA)	12.9

Air Conditioning		Discharge Air
Dry Bulb Temperature	°C	21
Wet Bulb Temperature	°C	13
Relative Humidity	%	39.2
Enthalpy Value	kJ/kg(DA)	36.5

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

Ventilation Solution

Performance

Model	HKF-**-D1EC HKF-**-D1EC/C	HKF-25	HKF-35	HKF-50 HKF-50	HKF-65	HKF-80 HKF-80	HKF-100 HKF-100	HKF-130 HKF-130
Nominal air flow	m³/h	250	350	500	650	800	1000	1300
Nominal external static pressure	Pa	90	140	110 90	100 75	140 120	140 115	135 105
Electrical power supply	V/ph/Hz	230/1/50						
Total full load amperage	A	0.5	0.6	0.6	1.2	1.4	2.1	2.7

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

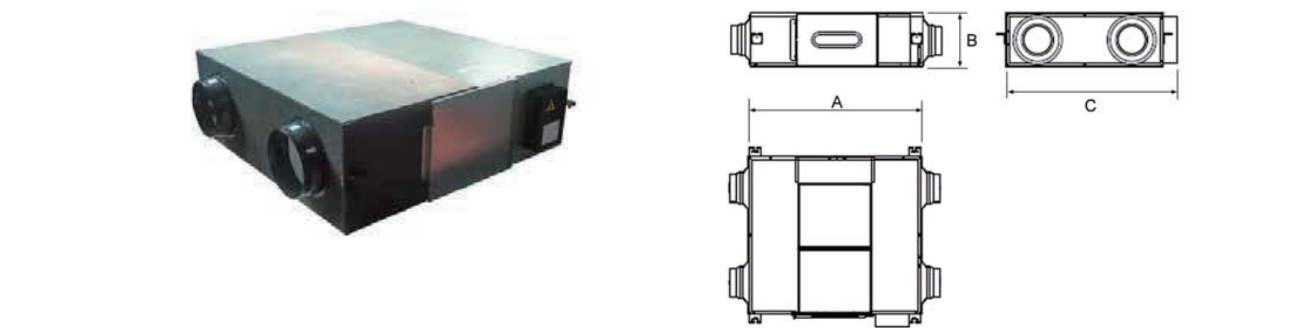
Heat Exchanger								
Winter thermal efi.c*3	%	73.0%	74.0%	76.0%	74.0%	76.0%	76.0%	74.2%
Winter enthalpy efi.c*3	%	65.0%	65.0%	67.0%	65.0%	65.0%	62.0%	59.0%
Summer thermal efc.*4	%	73.0%	74.0%	76.0%	74.0%	76.0%	76.0%	74.0%
Summer enthalpy efi.c*4	%	62.0%	62.0%	63.0%	60.0%	63.0%	60.0%	58.0%
Dry thermal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

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

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

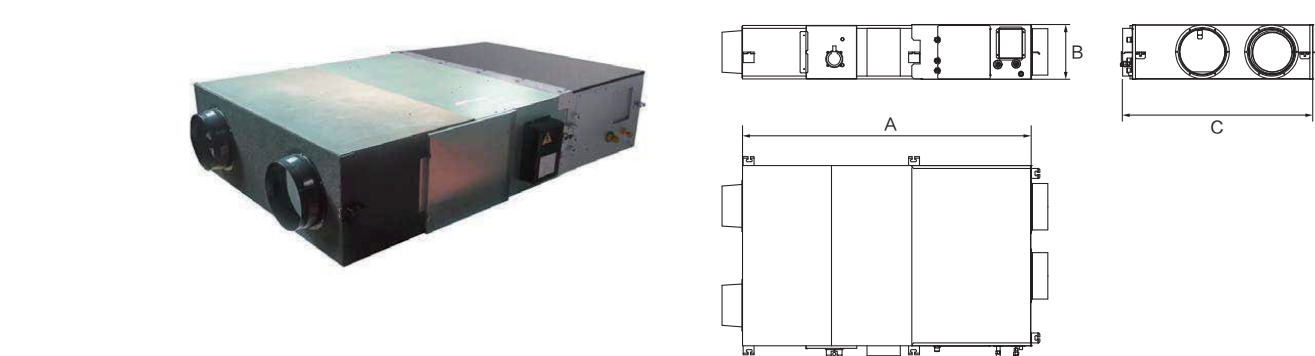
Dimensions

HKF D1EC



Model	A(mm)	B(mm)	C(mm)	Weight(kg)
HKF-25D1EC	814	270	657	30
HKF-35D1EC	814	270	860	37
HKF-50D1EC	894	270	960	43
HKF-65D1EC	1186	388	940	65
HKF-80D2EC	1186	388	1190	71
HKF-100D3EC	1199	388	1273	83
HKF-130D4EC	1199	388	1273	83

HKF D1EC/C

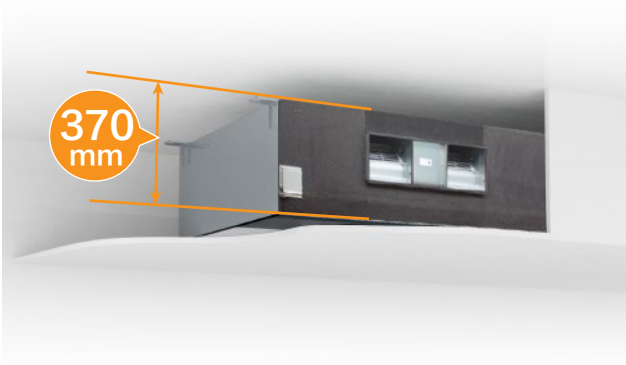


Model	A(mm)	B(mm)	C(mm)	Weight(kg)
HKF-50D1EC/C	1453	275	959	90
HKF-80D2EC/C	1745	390	1190	100
HKF-100D3EC/C	1758	392	1313	105
HKF-130D4EC/C	1758	392	1313	105

All Fresh Air Indoor Unit

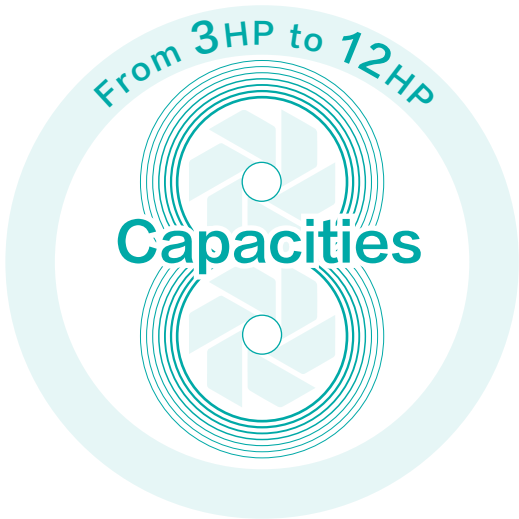
Space Saving

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



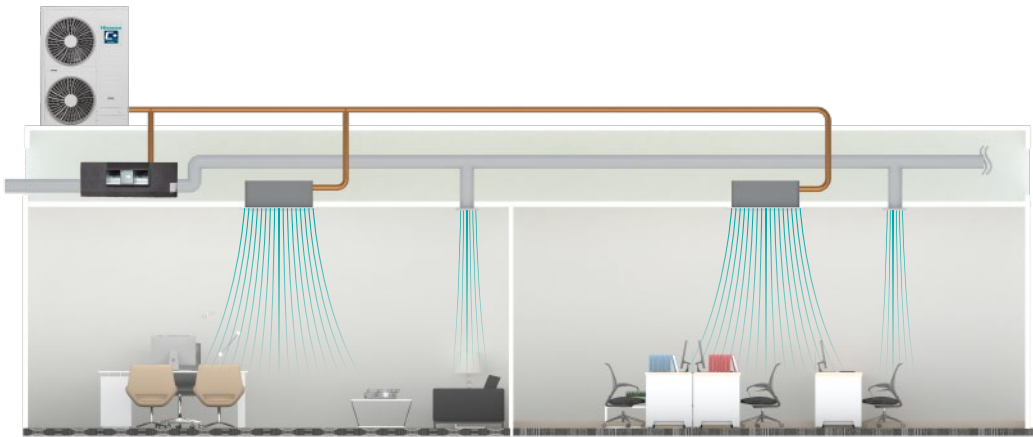
Larger Capacity & Static Pressure Options

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



Simple & Flexible Piping System

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



All Fresh Air Indoor Unit



Model			AVA-30UX CSCH-70	AVA-48UX CSQH-108	AVA-76UX CSRH-168	AVA-96UX CSRH-210	AVA-114UX 6SRH-300
Power Supply			AC 1 Φ, 220V~240V/50Hz				AC 3 Φ, 380V~415V/50Hz
Model			AVA-30UX 2SCH-70	AVA-48UX 2SQH-108	AVA-76UX 2SRH-168	AVA-96UX 2SRH-210	AVA-114UX 7SRH-300
Power Supply			AC 1 Φ, 220V/60Hz				AC 3 Φ, 380V/60Hz
Capacity	Cooling	kW	9.0	14.0	22.4	28.0	33.5
		Btu/h	30,700	47,800	76,500	95,600	114,300
	Heating	kW	8.6	13.7	21.9	24.5	26.8
		Btu/h	29,400	46,800	74,700	83,600	91,500
Power Input	Cooling	W	150	330	490	510	740
	Heating	W	150	330	490	510	740
Sound Pressure		dB(A)	32	43	45	46	56
Airflow Rate		m³/min	11.0	18.0	28.0	35.0	50.0
External Static Pressure		Pa	60(120)	200	220	220	220
Piping	Liquid	mm	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 12.7
		inch	3/8	3/8	3/8	3/8	1/2
	Gas	mm	Φ 15.88	Φ 15.88	Φ 19.05	Φ 22.2	Φ 25.4
		inch	5/8	5/8	3/4	7/8	1
	Condensate Drain		mm	I.D.32			
Weight	Net Weight	kg	46	60	97	97	97
	Gross Weight	kg	51	64	117	117	117
Dimensions	External	H mm	370	370	486	486	486
		W mm	920	1320	1270	1270	1270
		D mm	800	800	1069	1069	1069
Temperature Range of Fresh Air		-	Cooling: 20℃~43℃, Heating: -5℃~15℃				

- NOTES:
1. The nominal cooling capacity and heating capacity are based on following conditions
Cooling operation conditions: 33℃ DB, 28℃ WB, piping length: 7.5m, piping lift: 0m
Heating operation conditions: 0℃ DB, -2.9℃ WB, piping length: 7.5m, piping lift: 0m
(Heating capacity is tested when defrosting is not available)

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

3. An air filter with duct collection efficiency more than 50% needs to be attached to the duct system of the suction side at site.

4. Under cooling mode,when outdoor temperature is lower than 20℃,the system will automatically shift to ventilation operation; Under heating mode, when outdoor temperature is higher than 15℃ the system will automatically shift to ventilation operation; In case inlet temperature is below -5℃ all fresh air unit will stop.

5. In case of connecting this fresh air unit with other indoor units in the same refrigerant system, please calculate the capacity of this unit as 13.5kW(AVA-30*), 21.0kW(AVA-48*), 33.6kW(AVA-76*), 42.0kW(AVA-96*).
- 61
- 62

AHU Connection Kit



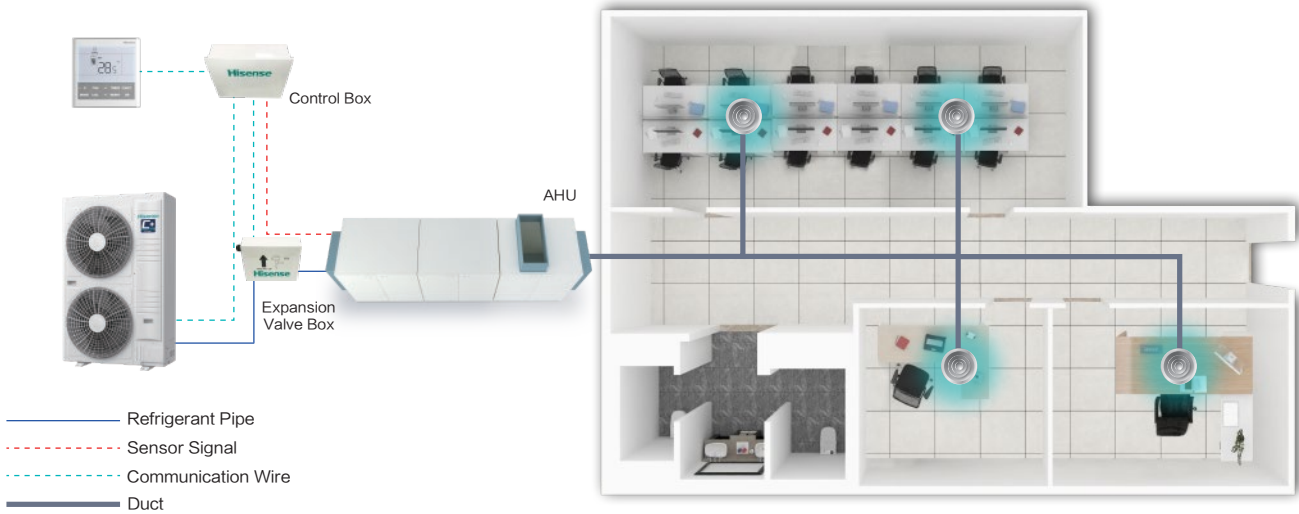
The Hisense AHU-KIT can integrate external heat exchangers of Air-handling units (AHU) into a Hisense VRF system to be used for air conditioning, which can provide more flexible air conditioning solutions and save more cost in the building air conditioning renovation.

Main functions

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

Selection and limitation of heat exchanger of AHU

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



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

Capacity Control Mode	Set Temperature by Remote Controller	Set ODU Capacity Range	Compatible ODU Series
Inlet Air (room air) Temperature Control	Cooling: 19~30 ℃ Heating: 17~30 ℃	—	E+/L+/C+ series
Outlet Air Temperature Control			
Duty Signal Control (0~10V or 0~5V or 4~20mA)	—	15%~100%	

AHU Connection KIT			HZX-2.0 AEC	HZX-4.0 AEC	HZX-6.0 AEC	HZX-10.0AEC		HZX-20.0AEC				
Model Power Supply			AC 1Φ, 220~240V/50Hz/60Hz									
Nominal Capacity of AHU		HP	2	4	6	8	10	12	14	16	18	20
Allowed Heat Exchanger Capacity (H/M/L)	Cooling	kW	4.0	7.1	11.2	16.0	20.0	28.0	33.5	40.0	45.0	50.0
		kW	5.0	9.0	14.0	20.0	25.0	30.0	35.0	43.0	48.0	52.0
		kW	5.6	11.2	16.0	22.4	28.0	33.5	40.0	45.0	50.0	56.0
	Heating	kW	4.5	8.0	12.5	17.9	22.4	31.5	37.5	45.0	50.0	56.0
		kW	5.6	10.0	16.0	22.4	28.0	33.5	40.0	47.5	53.0	60.0
		kW	7.1	12.5	18.0	25.0	31.5	37.5	45.0	50.0	56.0	63.0
Heat Exchanger Volume	Min	dm³	0.57	1.03	1.92	2.92	3.89	4.76	5.85	6.79	7.57	8.47
	Max	dm³	1.16	2.37	2.92	3.89	4.76	5.91	6.89	8	8.92	9.97
Equivalent Indoor Unit Capacity		HP	2	4	6	8	10	12	14	16	18	20
Control Box			Common control box									
Expansion Valve Box			2HP	4HP	6HP	10HP		20HP				

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









Operation Conditions		Cooling		Heating	
Indoor Air Inlet Temperature	DB	27.0℃		20.0℃	
	WB	19.0℃		—	
Outdoor Air Inlet Temperature	DB	35.0℃		7.0℃	
	WB	—		6.0℃	

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

CONTROL SYSTEM









Individual Control

Model	Wired Controller					Wireless Controller	Central Controller	
	HYXM-VB01A	HYXE-VC01	HYXE-J01H1	HYXE-VA01A	HYXE-S01H		HYJ-J01H	HYJM-S01H
Picture								
Max. connectable indoor units	6	6	16	16	16	—	128	160
Cooling/Heating/Auto	●	●	●	●	●	●	○	●
Dehumidification	●	●	●	●	●	○	○	●
Fan speed	●	●	●	●	●	●	○	●
Louver setting	●	●	●	●	●	●	○	●
Temperature setting	●	●	●	●	●	●	○	●
Operation monitoring	●	●	●	●	●	●	○	●
24-hour timer	●	●	●	●	●	●	○	●
7-day timer	●	○	●	○	○	○	○	●
Holiday setting	●	○	●	○	○	○	○	●
Main-sub control	●	●	●	●	○	○	○	○
Check function	●	●	●	●	●	○	○	○
Air filter cleaning reminding	●	●	●	●	●	○	○	●
Error code history display	●	●	●	●	●	○	○	●
Auto test run	●	●	●	●	●	●	○	○
Indoor/Outdoor PCB checking	●	●	●	●	●	○	○	○
Self diagnostic function	●	●	●	●	●	●	●	●
Back light	●	●	●	●	●	●	○	●
Built-in temperature sensor	○	●	●	●	○	●	○	○
Wireless control available	●	●	○	○	○	○	○	○
Individual louver control	●	●	●	●	○	●	○	○
Breeze mode	●	●	●	●	○	●	○	○
Motion sensor	●	○	●	●	○	○	○	○
Health(AirPure)	●	●	●	●	○	●	○	○
Hi-Motion	●	○	●	○	○	○	○	○
ECO(energy saving)	●	●	●	●	○	●	○	●
Quiet	●	●	●	●	●	●	○	○
Sleep	●	●	●	●	○	●	○	○
Window contact design	●	●	●	●	○	○	○	○
3D-air flow	●	●	●	●	○	●	○	○
Self-cleaning	●	●	○	●	○	●	○	○

Remarks: ●Available ○Unavailable

Type		Wired Controller					Wireless Controller
Model		HYXM-VB01A	HYXE-VC01	HYXE-J01H1	HYXE-VA01A	HYXE-S01H	HYE-VD01
Picture							
Indoor Unit	4-Way Cassette	●	●	●	●	●	●
	Mini 4-Way Cassette	●	●	●	●	●	●
	1-Way Cassette	●	●	●	●	○	●
	2-Way Cassette	●	●	●	●	○	●
	Ceiling Ducted Type(AC/DC)	●	●	●	●	●	●
	Ceiling Ducted Type(High/Low)	●	●	●	●	●	●
	Console	●	●	●	●	●	▲
	Wall Mounted Type	●	●	●	●	●	▲
	Ceiling & Floor Type	●	●	●	●	●	▲
	Floor Concealed Type	●	●	●	●	○	●
	All Fresh Air	●	●	●	●	●	●
	Heat Recovery Ventilator	●	▲	●	●	●	○
	AHU Kit	●	●	●	▲	○	○

Type		Receiver Kit				Centralized Controller	ON/OFF
Model		HYRE-V02H	HYRE-Z01H	HYRE-T03H	HYRE-X01H	HYJM-S01H	HYJ-J01H
Picture							
Indoor Unit	4-Way Cassette	○	○	●	○	●	●
	Mini 4-Way Cassette	○	●	○	○	●	●
	1-Way Cassette	○	○	○	●	●	●
	2-Way Cassette	●	○	○	○	●	●
	Ceiling Ducted Type(AC/DC)	●	○	○	○	●	●
	Ceiling Ducted Type(High/Low)	●	○	○	○	●	●
	Console	●	○	○	○	●	●
	Wall Mounted Type	●	○	○	○	●	●
	Ceiling & Floor Type	●	○	○	○	●	●
	Floor Concealed Type	●	○	○	○	●	●
	All Fresh Air	●	○	○	○	●	●
	Heat Recovery Ventilator	○	○	○	○	●	●

Remarks: ● Optional ○ Incompatible ▲ Standard

Wired Controller

HYXM-VB01A

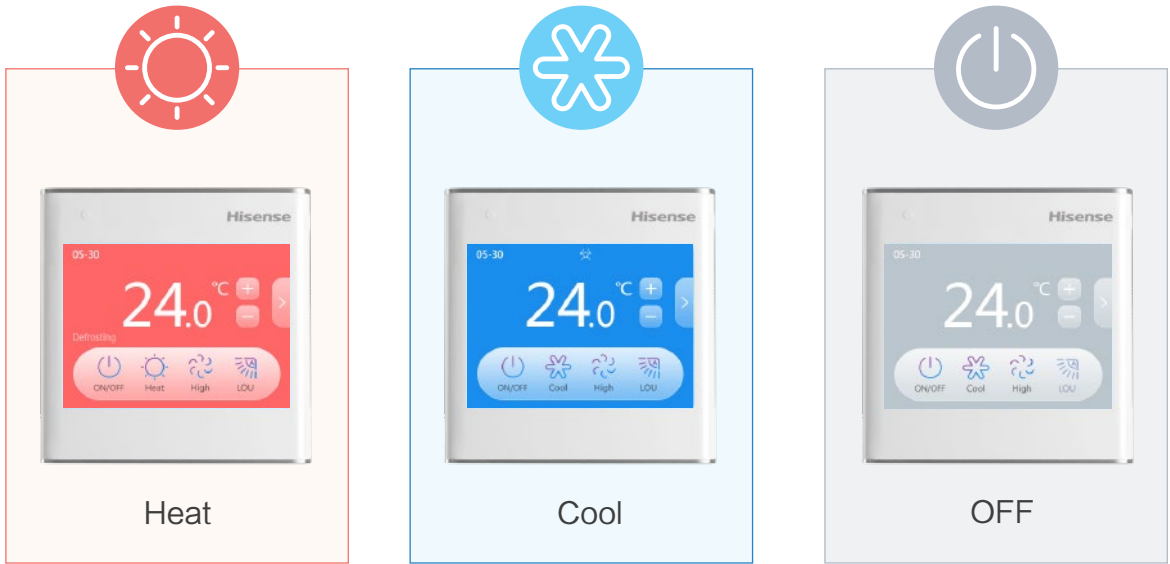


Mode	Cool/Heat/Auto/Fan/Dry
Timer	24-hour/Weekly schedule/Holiday setting
Maintenance	Error code / Parameter check/Auto test run/ Indoor&Outdoor PCB checking/Self diagnostic function
Louver	Louver setting/Individual louver control/ 3D-air flow
Special function	Breeze mode/Motion sensor/Health/ Hi-Motion/ECO/Quiet/Sleep/Self-cleaning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

Features

- Size:86mm × 90mm
- Max. connectable indoor units:6
- LCD display
- Touch screen
- Language:
VB01A: English, Turkish, Russian,
German, Arabic, spanish
VB01A#01: English, French, Italian,
Dutch, Polish, Thai

Colorful Screen



HYXE-VC01



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

Features

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

HYXE-J01H1



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

Features

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

HYXE-VA01A



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

Features

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

HYXE-S01H



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

Features

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

Wireless Controller

HYE-VD01



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

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

Centralized Control

Smart Touch
HYJM-S01H

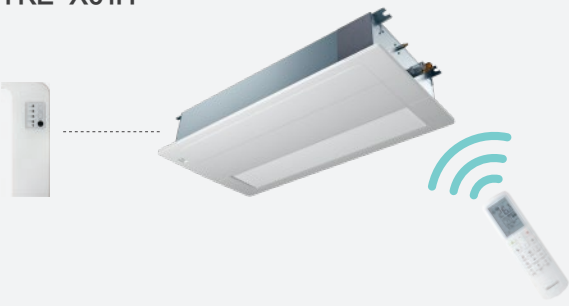


Cool/Heat/Auto/Fan/Dry/ECO
Holiday setting
Filter cleaning reminder
External input/Output function
Temperature limitation
All/4 zone/Individual control

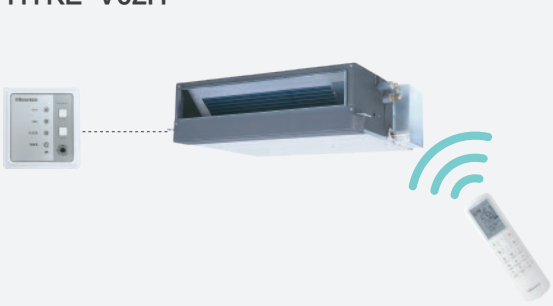
- Features
- Size:220mm × 148mm
 - Max. connectable indoor units:160
 - Max. connectable indoor unit groups:64
 - Max. distance:1000m
 - Language:
Chinese, English, Russian,Spanish,
Turkish,German,Italian,Dutch,Polish,
Arabic

Receiver Kit for Wireless Control-Optional

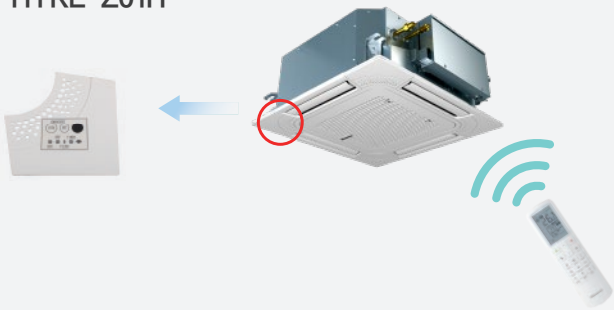
HYRE-X01H



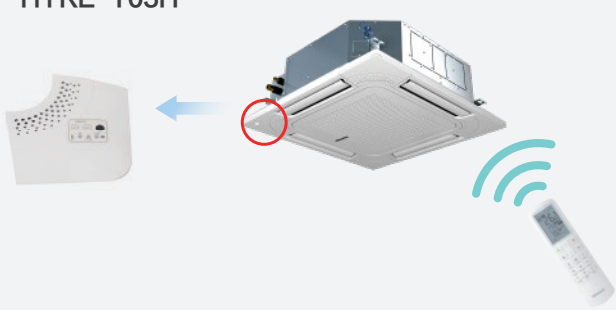
HYRE-V02H



HYRE-Z01H



HYRE-T03H



ON/OFF Controller
HYJ-J01H

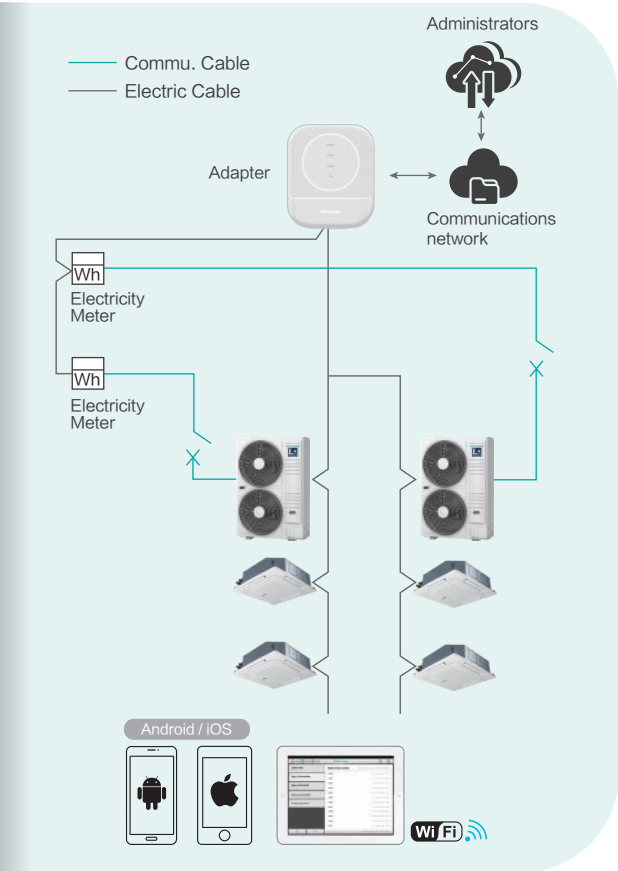


Group control (ON/OFF)
Indoor unit power OFF reminder
Indoor units Auto log in
Error reminder

- Features
- Size:120mm × 120mm
 - Max. connectable indoor units:128
 - Max.connectable indoor unit groups:16
 - Touch button

Intelligent Control

Hi-Mit II



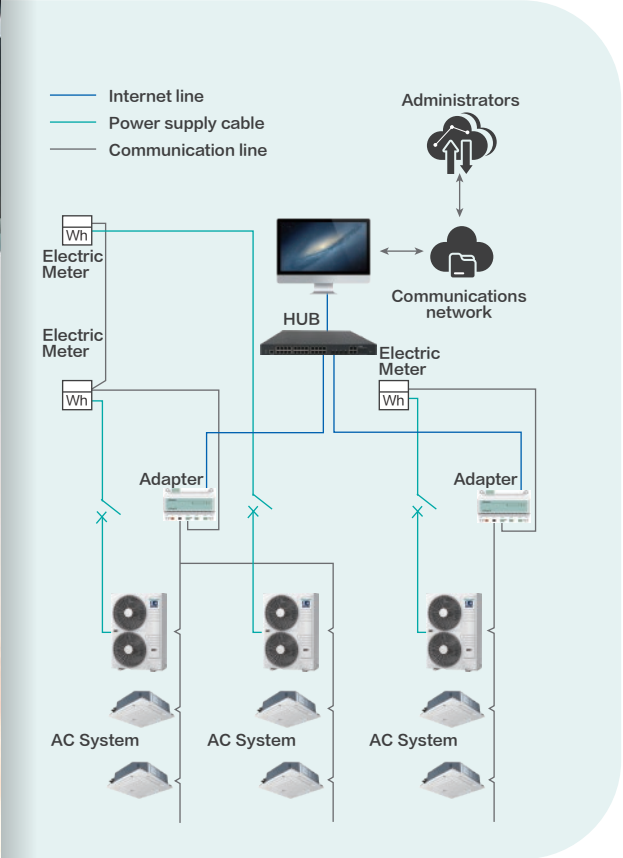
Features

- Remote control
- On/off, mode, temperature, fan speed, louver setting
- 7x24 Schedule setting
- Energy management
- Customized scenes setting
- 2 permission levels
- Supporting online repair report
- Up to 64 IDUs and 64 ODUs can be connected to one Hi-Mit II adapter
- 3 Hi-Mit II adapters are available in one communication bus system
- One user account of APP can control 8 adapters, up to 512 IDUs

Specifications

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

Hi-Dom III



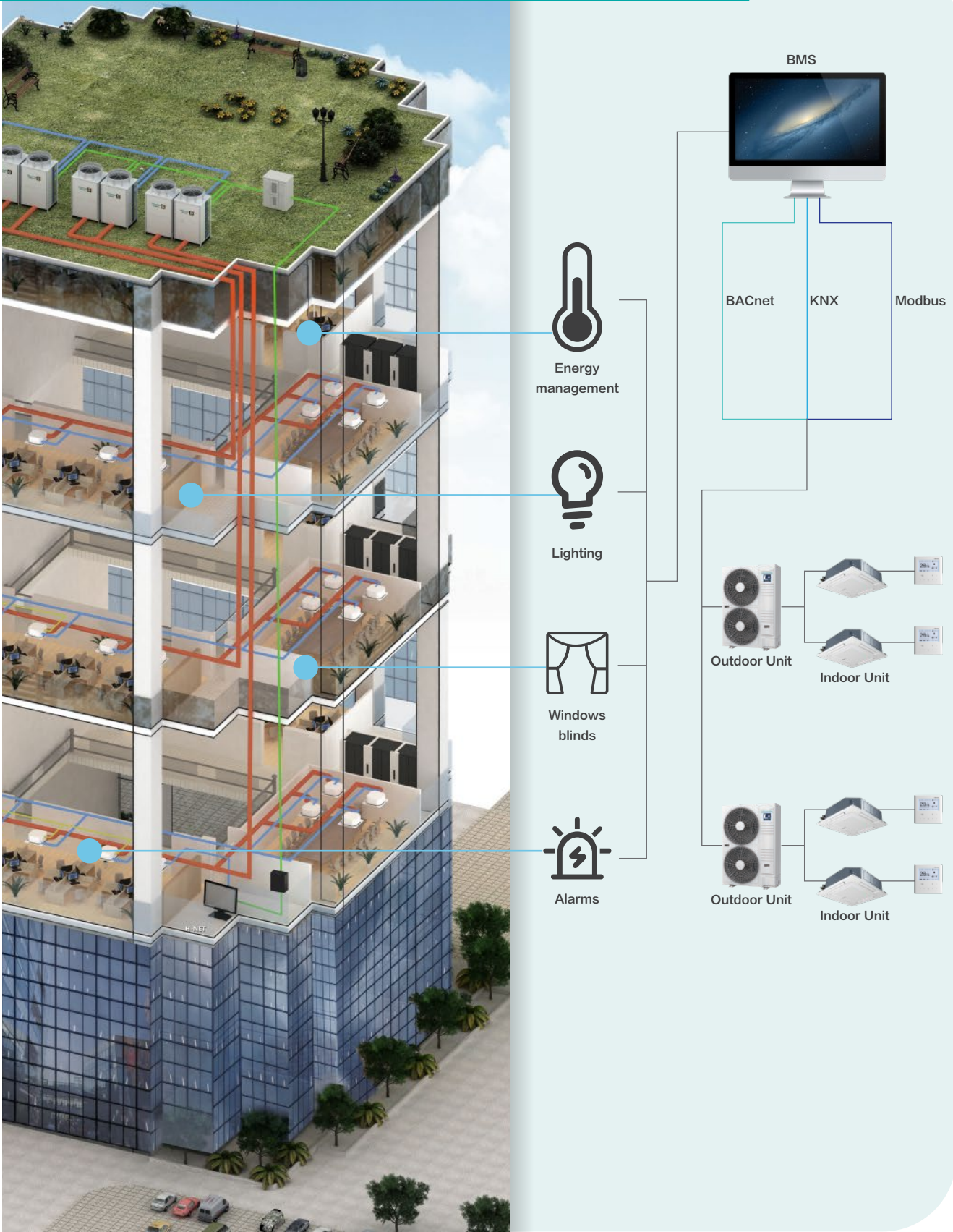
Features

- Multilevel user management
- AC control(on-off,mode,temp,air flow)
- AC locked control(running forbidden control, the max. and min. temp and cooling/heating locked.)
- Running according to timer
- Malfunction history check
- Running record display
- Data synchronize
- Supporting for external I/O
- 2D Navigation
- Electricity consumption allocation
- One Hi-DOM controls 160 indoor units
- Max.5120 indoor units can be controlled

Specifications

Adapter	Model	Power Supply	Dimension(LxWxD)	Note
	HCCS-H160H2C1YM	12V	180x115.4x64.5mm	With electric charging function
	HCCS-H160H2C1NM	12V	180x115.4x64.5mm	Without electric charging function

Building Management System



KNX®

KNX Gateway	HS-RC-KNX-1i	HS-AC-KNX-16	HS-AC-KNX-64
Power Supply	DC, 29V	DC, 24V	DC, 24V
Max. Number of Connectable Indoor Units	1	16	64
Dimension (H × W × D)	70 × 70 × 28mm	56 × 88 × 90mm	56 × 88 × 90mm

- Features
- Standard data point types
 - Error code
 - Central control of all indoor units*1
 - Easy to use tool for the configuration of Intesis box *1
- Directly control of all indoor units*2
 - Air filter reminder *2
 - Running hours counter *2

NOTE*1: Adapted for HS-AC-KNX-16,HS-AC-KNX-64. *2: Adapted for HS-RC-KNX-1i.

Modbus®

Modbus Gateway	HCPC-H2M1C
Power Supply	DC,12V
Max. Number of Connectable Indoor Units	64
Dimension (H × W × D)	70 × 204 × 240mm

- Features
- On-Off setting
 - Temperature setting
 - Operating mode setting
 - Inlet air temperature monitoring
- Airflow setting and monitoring
 - All units On-Off control
 - Alarm monitoring and code display

BACnet®


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

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


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

Accessories


Hi-Motion

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


Motion Sensor

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



Fresh Air Duct Adapter

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



Humidity Sensor

Model	Applicable Models	Picture
HCHR-S01E	4-Way Cassette Type, Console, Ceiling Ducted Typee, Wall Mounted Unit	


Filter

Filter model	Filter Dimension H × W(mm)	Frame Dimension H × W(mm)	Applicable Models	Picture
HF-224L-FE	910 × 432.5	1055 × 463	22.4kW High static ceiling ducted.	
HF-280L-FE	1100 × 432.5	1245 × 463	28kW High static ceiling ducted.	
KW-PP1Q	582 × 236	620 × 262	2.2kW-4.3kW High static ceiling ducted.	
KW-PP2Q	832 × 236	870 × 262	5.0-7.1kW High static ceiling ducted.	
KW-PP3Q#E	832 × 316	870 × 342	8.4-11.2kW High static ceiling ducted.	
KW-PP4Q#E	1230 × 316	1270 × 342	14.2-16.0kW High static ceiling ducted.	



Drain Pump

Model	Power supply	Consumption	MAX. Lift(mm)	Applicable models	HPS-132#E HPS-162#E	HPS-151#E
HPS-132#E	AC 220~240V(50/60Hz)	9 ± 1.5 W	900	For Ceiling ducted type(2.2~7.1kW)		
HPS-162#E	AC 220~240V(50/60Hz)	9 ± 1.5 W	900	For Ceiling ducted type(8.0 ~16kW)		
HPS-151#E	AC 220~240V(50/60Hz)	9 ± 1.5 W	600	External type,for general purpose(22.4~28kW)		

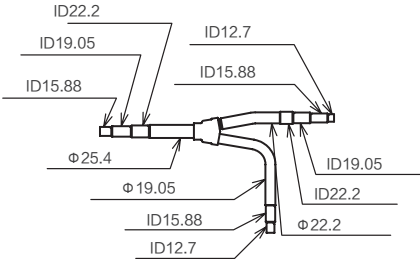
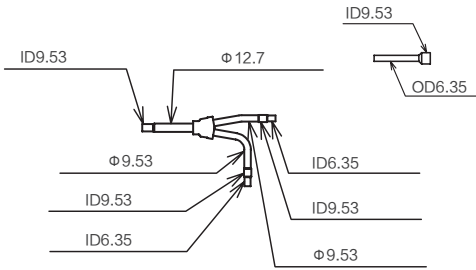
3D Air-flow Panel

Panel Model	Applicable Models	Outer Dimensions H × W × D(mm)	Interface Dimension H × W(mm)	Picture
HP-CB-NA	For ceiling ducted type (Low- height) 1.7~3.6kW	180 × 738 × 89	546 × 136	
HP-DB-NA	For ceiling ducted type (Low- height) 4.5~5.0kW	180 × 948 × 89	756 × 136	
HP-EB-NA	For ceiling ducted type (Low- height) 5.6~7.1kW	180 × 1218 × 89	1026 × 136	

AirPure Kit

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

Branch Pipe

Case	Gas	Liquid
HFQ-102F#E		
		Q'ty : 2