Hisense

Qingdao Hisense HVAC Equipment Co., Ltd.
Hisense International Center, Qingdao, China

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HCAC-VRF-202503H

Hisense VRF

Reimagine your solution

Hisense SINCE 1969

Hisense is a well-known large-scale electronic information industrial group. With strong emphasis on technology and innovation, its efficient technological innovation system firmly grounds Hisense at the forefront of its peers. At present, Hisense brand family has expanded to include multiple famous brand Hisense, Toshiba, Gorenje and ASKO.

SINCE 1969

BUSINESS LAYOUT

Multimedia

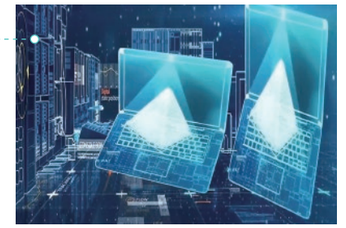
TV and Display Devices
Internet TV Operation
Mobile Communication Devices
Optical Communication
Devices
Chip

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 HISENSE SINCE 1969

Hisense has started a long-term sports marketing strategy to increase brand awareness worldwide. After the successful sponsorship of **UEFA EURO 2016 & 2020 & 2024** and **FIFA WORLD CUP 2018 & 2022**, Hisense has made clear its focus on football. Hisense also is the official partner of **FIFA Club World Cup 2025.**

2016

Official Partner of
UEFA EURO 2016

2018

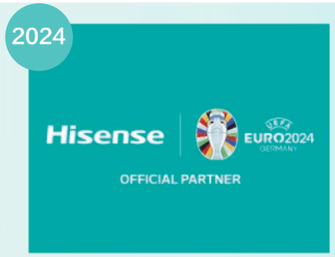
Official Sponsor of
2018 FIFA World Cup

2020

Official Partner of
UEFA EURO 2020

2022

Official Sponsor of
2022 FIFA World Cup

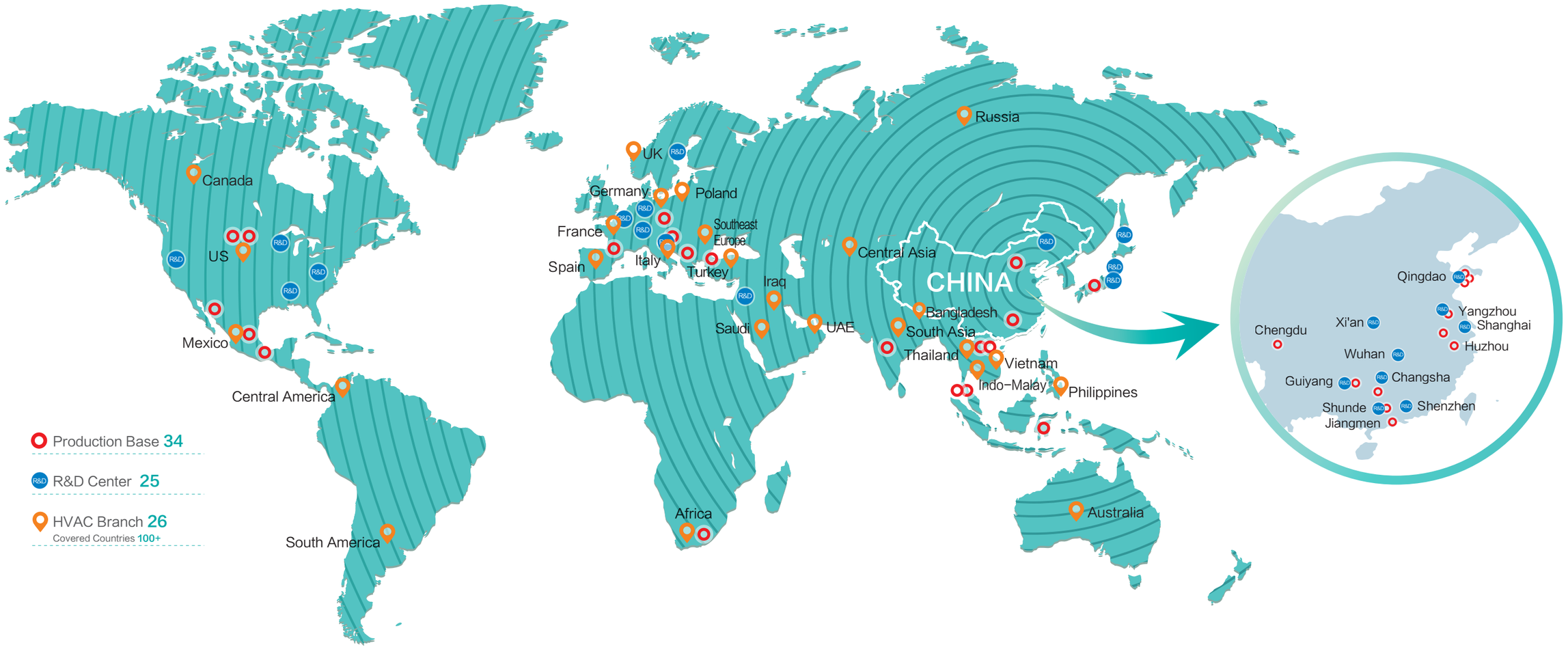


2024

Official Partner of
UEFA EURO 2024

2025

Official Partner of
FIFA Club World Cup 2025



Hisense HVAC MANUFACTURING BASE

Qingdao Hisense HVAC Equipment Co. Ltd. is a leading manufacturer of heating, ventilation, air conditioning and other HVAC equipments, integrated with the product development, manufacturing, sales and after-sales service as a whole.

Hisense HVAC always regards product technology research and development as the most important value. With strong technological innovation capabilities, Hisense HVAC has participated in the formulation and revision of 112 national standards, industry standards and association standards, and boasts 2020 authorized patents in the field of CAC and heat pump products. With the great support of all shareholders and customers, Hisense HVAC is expected to become the leading brand in the industry.

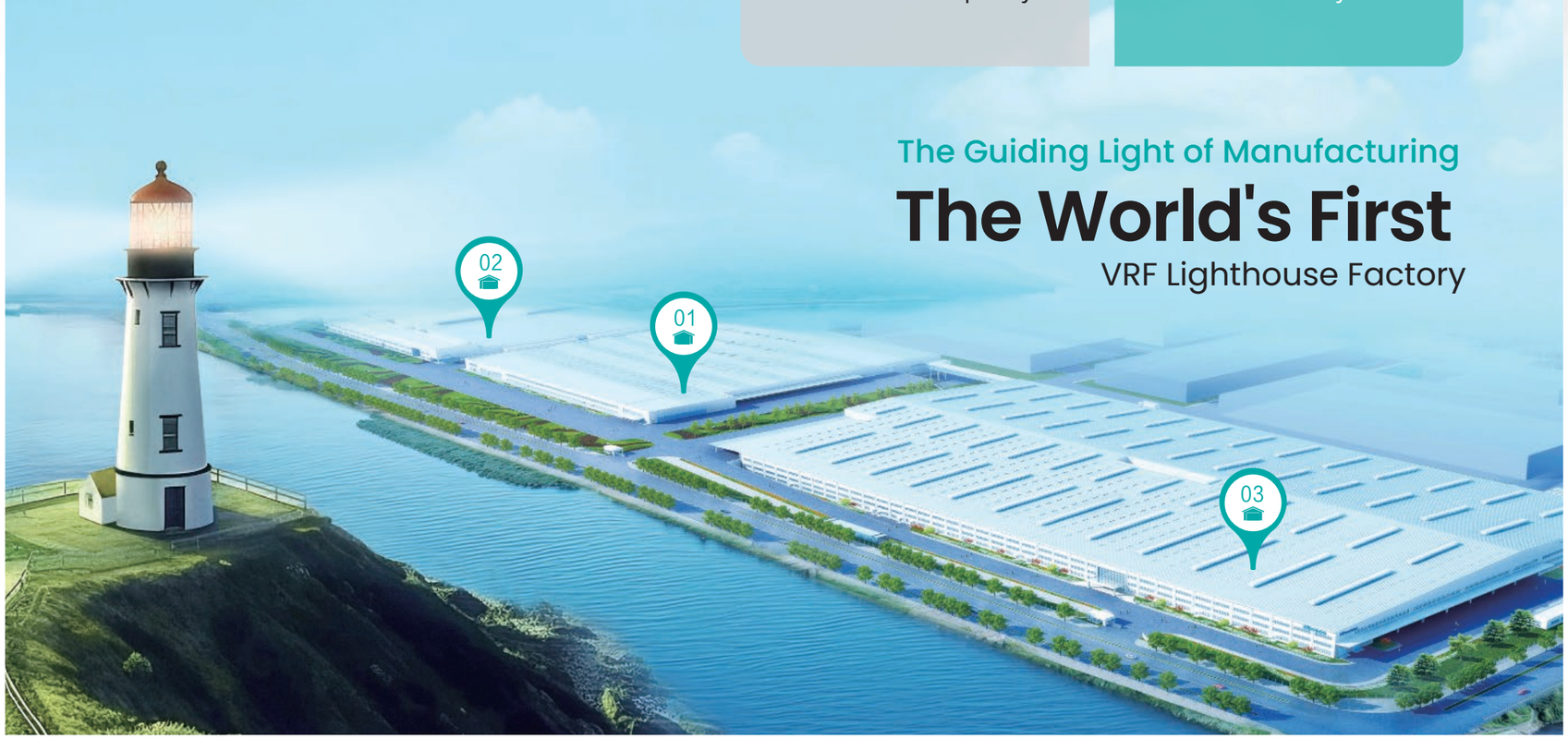
Note: The above data is as of December 2024.

266,000 m^2
Manufacturing Area

40+
Production Line

11,000,000 units/year
Production Capacity

16,700 m^2/70+
Laboratory

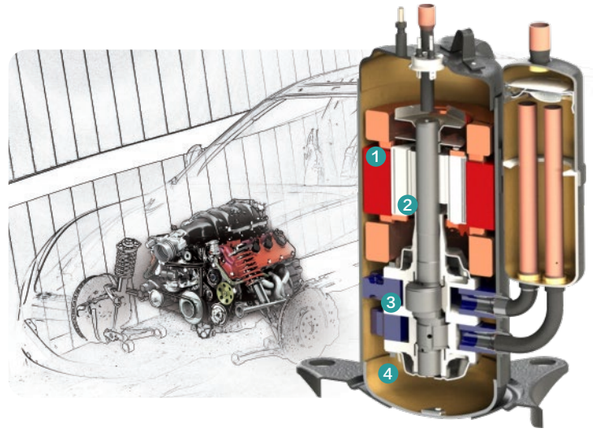


CONTENTS

HIGH EFFICIENCY

High-efficiency DC Inverter Compressor

A high-efficiency DC inverter twin 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.

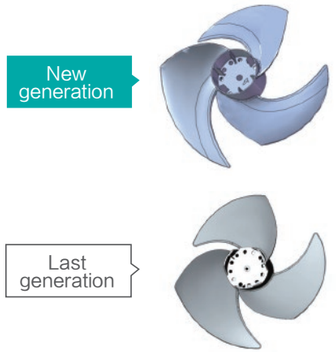
2 Optimized rotor design
Lower the center of gravity of the compressor to reduce the noise and vibration.

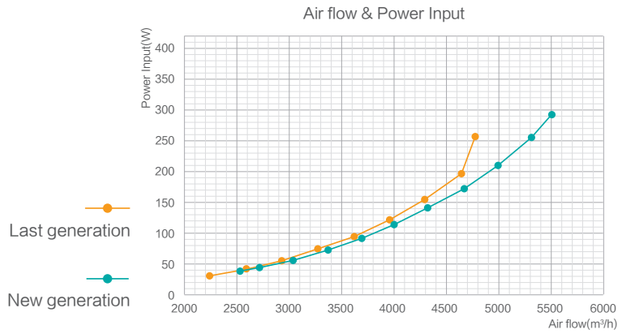
3 Flat mechanism design
Improve the volumetric efficiency and the total performance.

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.



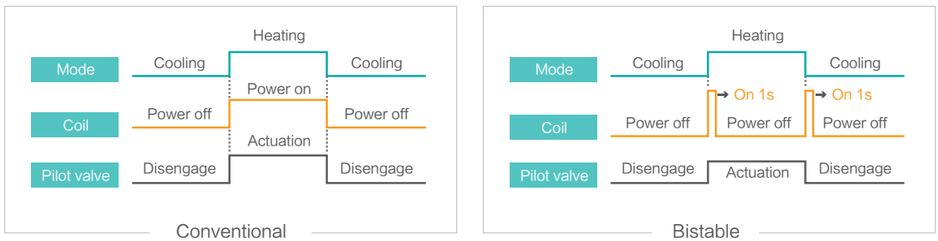


When the air flow is large,
the power input is reduced by 30W.

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.

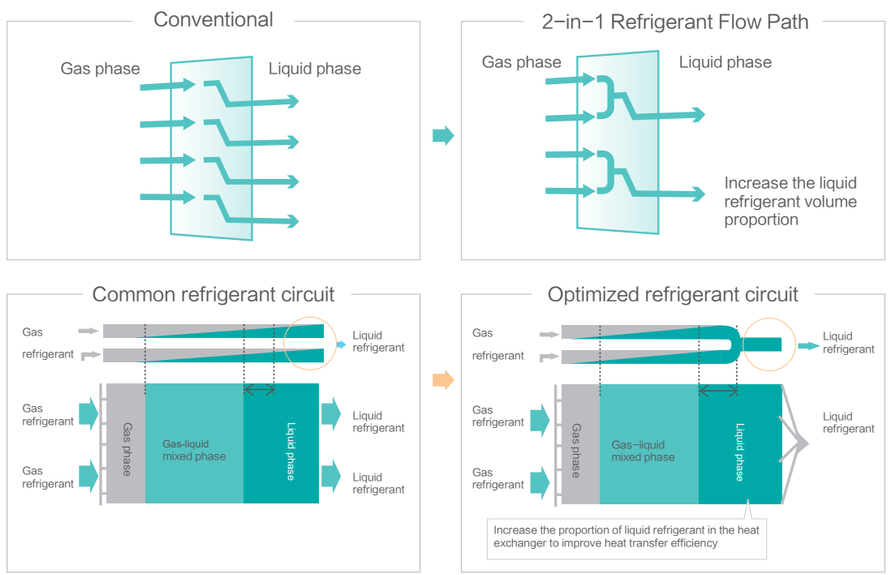
Note: It's available for the units AVW-76/96/114*.



High-efficiency Heat Exchanger

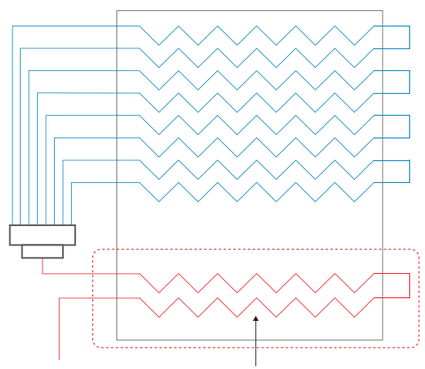
Optimized Refrigerant Circuit

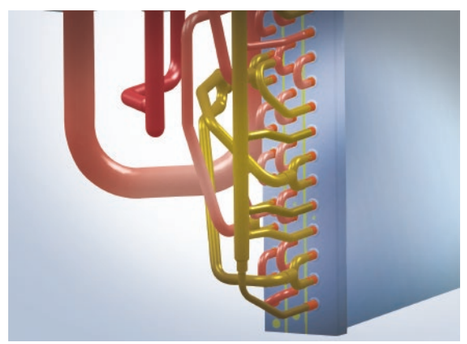
Using high precision imported equipment, our Hisense manufactured heat exchangers are of the highest quality. The non-expansion tube technology avoids reduced lifetime reliability caused by the stretching of copper pipes. The multi-column Φ7 refrigerant tubes effectively increase the heat exchange area and improve the heat ex-changing efficiency.



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.

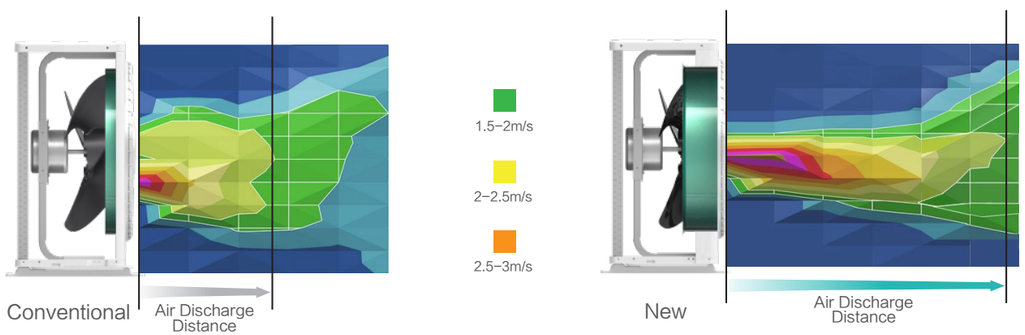




Further Air Discharge Distance

Optimized Air Duct System Design

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



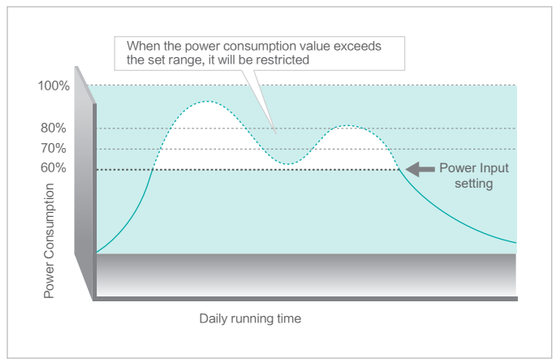
Note: 30Pa ESP is available for the units AVW-76/96/114*.

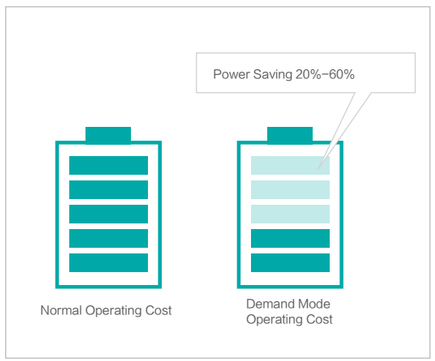
Aviation Level Design of Grill

The design of the grill follows the design concept of the aircraft engine design, which conforms to the aerodynam-ics principle. It helps to improve the air supply distance and maximize the cooling and heating performance.

Demand Mode

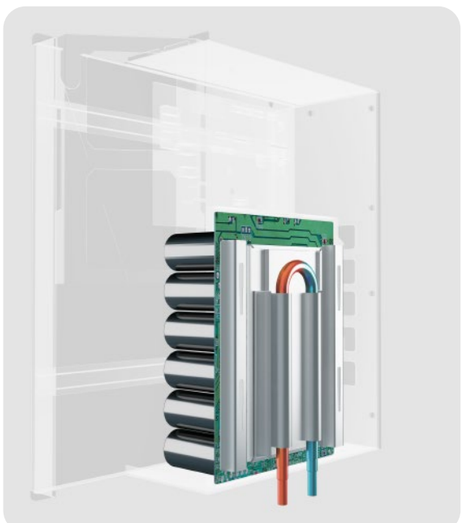
The intelligent demand mode can adjust the air conditioning system capacity output automatically according to peak-valley requirements of electricity. There are three levels setting, 80%, 70% and 60%. It achieves balance between comfort and energy-saving while meeting the power demand for daily work.





STABLE OPERATION

Patented 360° Fitted Refrigerant Cooling Technology



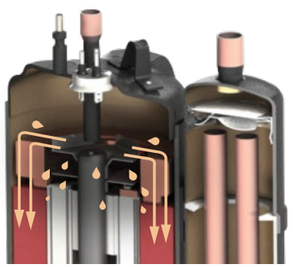
The outdoor unit uses patented 360° fitted refrigerant cooling technology to cool the whole electronic box effectively. It can overcome poor heat dissipation and solve high ambient temperature issues inside the electronic box, maintaining an efficient and reliable operation under harsh environment.

Note:
1. The electric box temperature drops by an average of **10%** compared with air-cooled type.

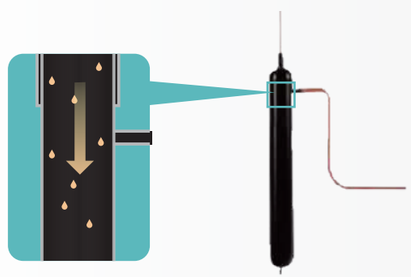
2.It's available for the units AVW-76/96/114*.

Multiple Oil Control

Oil separation



First-stage Oil Separation



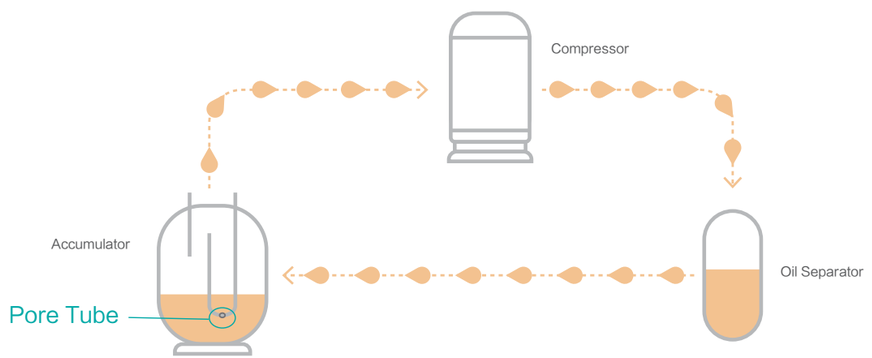
Second-stage Oil Separation

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 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%.

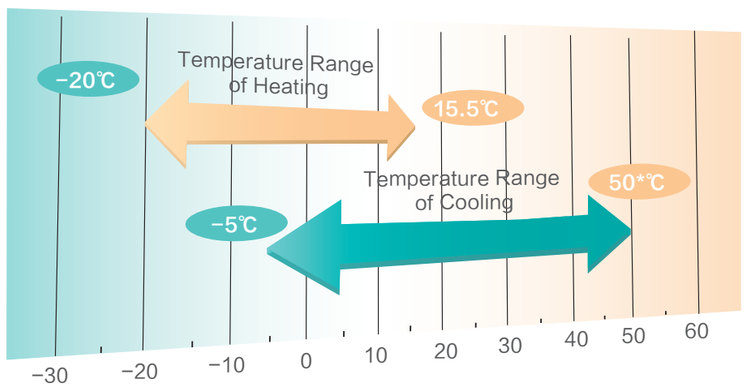
Oil return

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

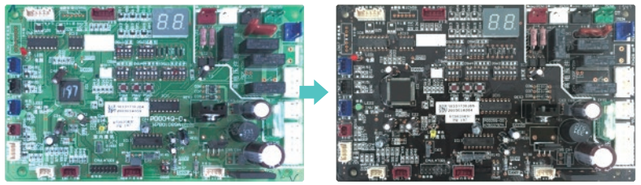
Extended operation range creates wider application potential. In cooling mode the maximum operation range is from -5℃ DB to 50*℃ DB and in heating mode the maximum operation range is from -20*℃ WB to 15.5℃ WB, which adapts to many extreme conditions.



Note: 1.*For the unit capacity from 3HP to 6HP, the max. temperature under cooling mode is 46℃ DB; For the unit with single air fan, the min. temperature under heating mode is -15.5℃ WB.
2. The dry temperature range of heating operation mode is from -20℃ to 26℃.

Industrial 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:

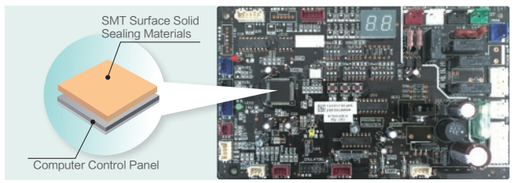
Epoxy resin composite substrate: double-sided printing, SMD welding, high strength, good weather resistance, great flame retardancy, high reliability, compact structure, small size.

Conventional PCB board:

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

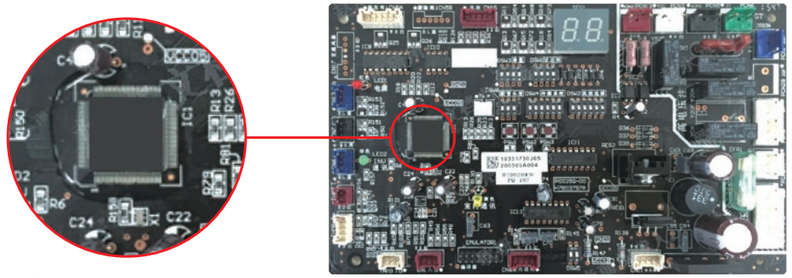
SMT Sealing Technology

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.



Error Information Storage "Black Box"

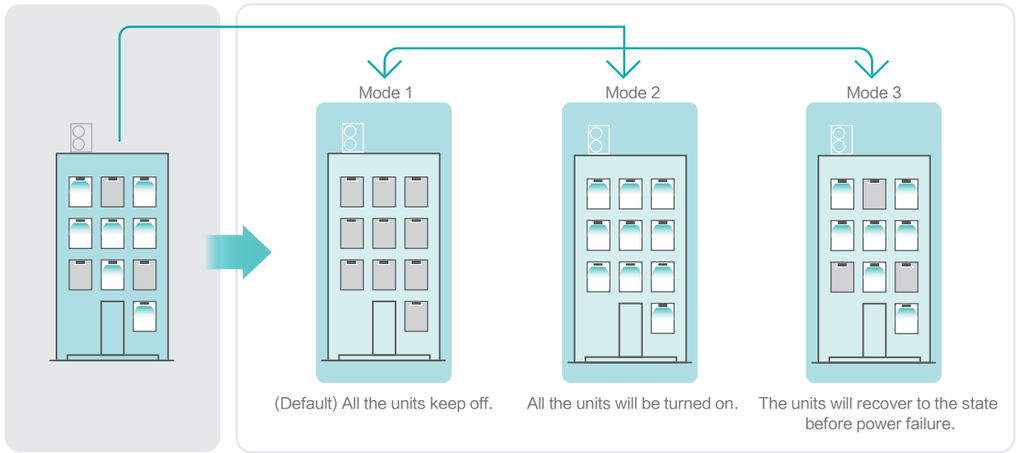
Both the main computer board and the wired controller of the outdoor unit can store error information so that the maintenance personnel can detect the operation information before the malfunction and determine the cause. It greatly simplify the maintenance.



Intelligent and Reliable Chip

Automatic Restart

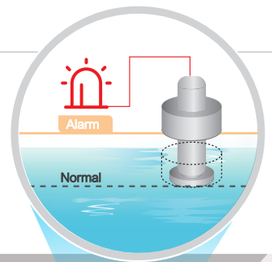
Hisense indoor units are capable to restart automatically to the previous state whenever the power supply is shut off suddenly and restores immediately. When there is long power shortage, the default setting is to keep all the indoor units off when the power restores. Also there are two other settings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

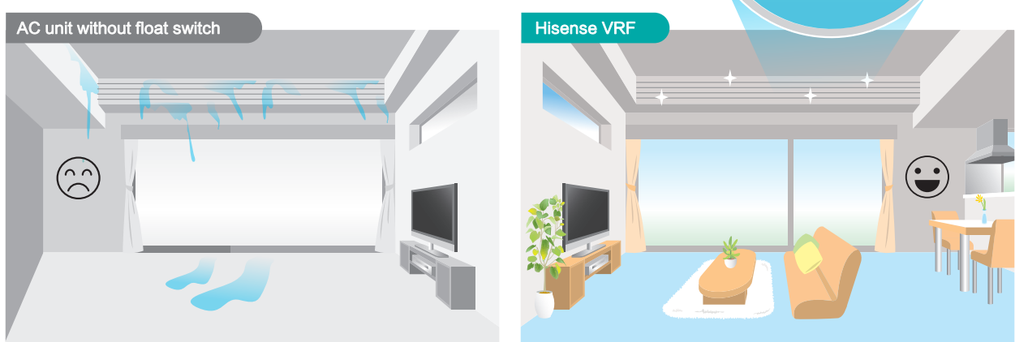


* DIP setting is necessary for mode 2 and mode 3.

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

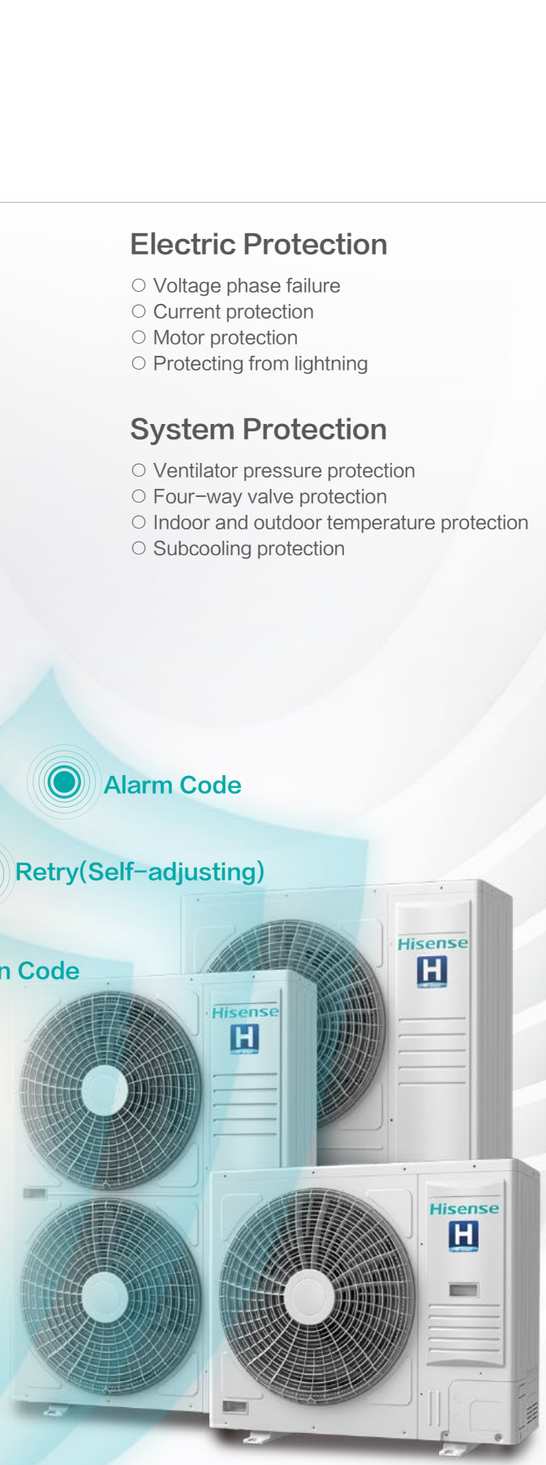
- Ventilator pressure protection
- Four-way valve protection
- Indoor and outdoor temperature protection
- Subcooling protection

Three-level Protection

Alarm Code

Retry(Self-adjusting)

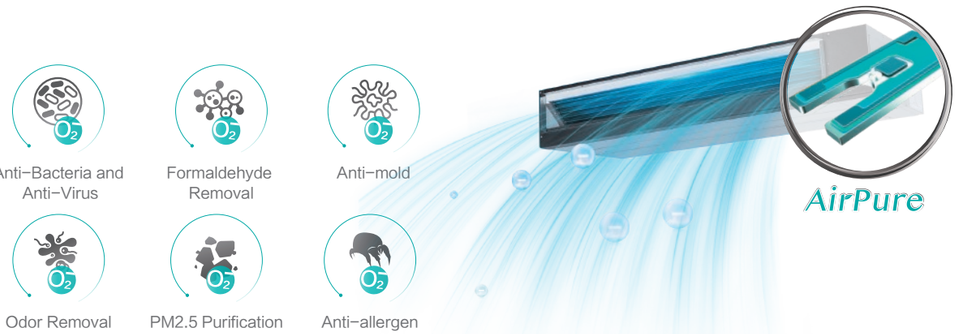
Protection Code



ENHANCED COMFORT

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.



Self-cleaning Function

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

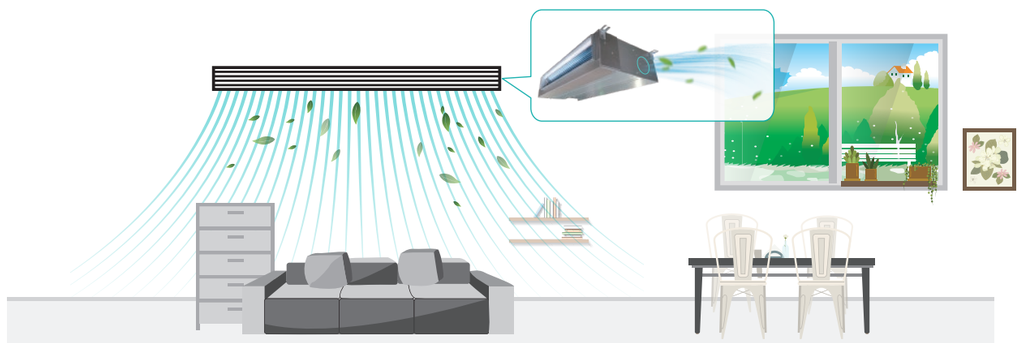
Note:
The self-cleaning function is available in the wall mounted unit and DC high ESP ceiling ducted unit(AVD-07~AVD-54).

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.

Fresh air intake

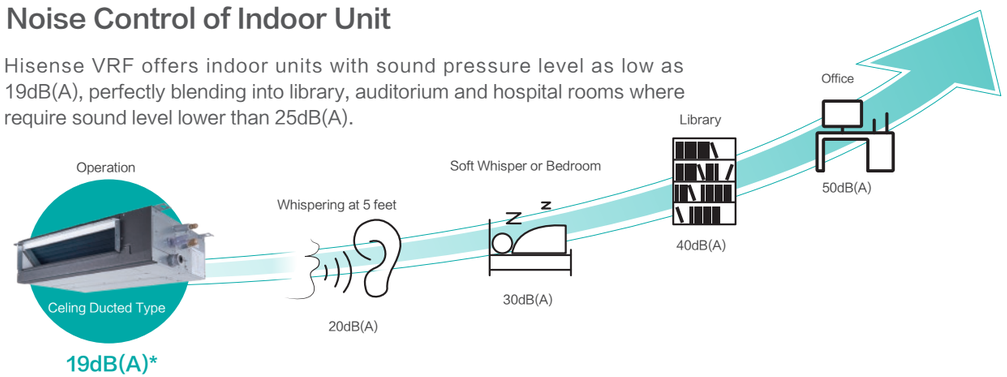
New Hisense VRF indoor units are now infused with a fresh air duct opening for 10% free fresh air introductory directly from outdoor air, creating a comfortable and health environment.



Indoor Unit Quiet Operation

Noise Control of Indoor Unit

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



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

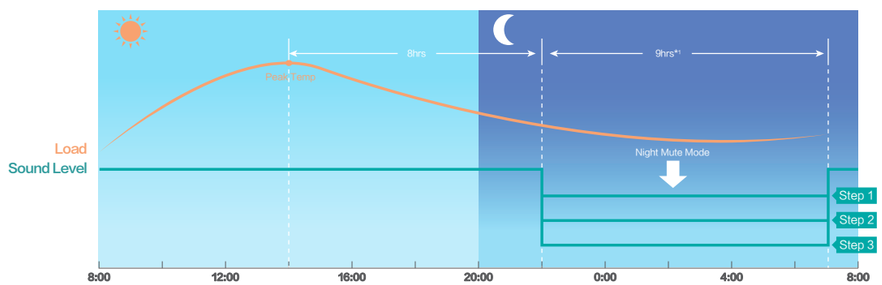
Effectively Eliminate Four Kinds of Noise

- 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

Auto Night Quiet Control

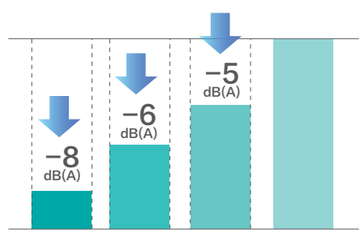
In gerneal, people are more sensitive to noise at night. Night quiet mode can be activated when necessary, and the noise can be reduced by up to 8dB(A).



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 PCB.



Precise Temperature Control

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

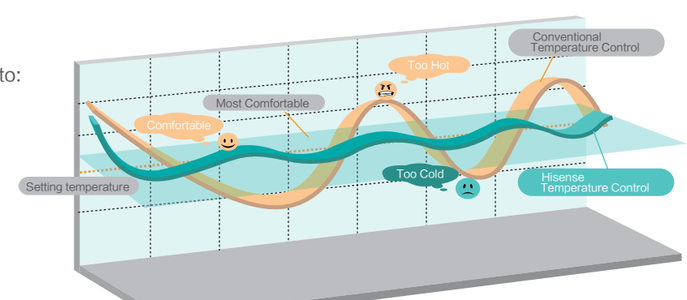
*Outlet air temp sensor suitable for certain units

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

2000-step Electronic Expansion Valve

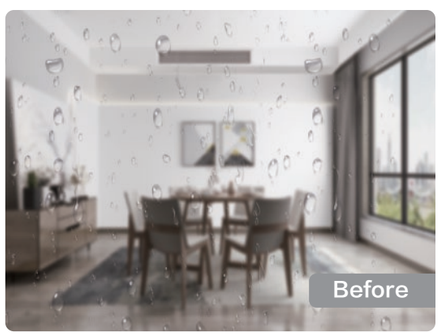
Precise indoor temperature according to:

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



Humidity Sensor (Optional)

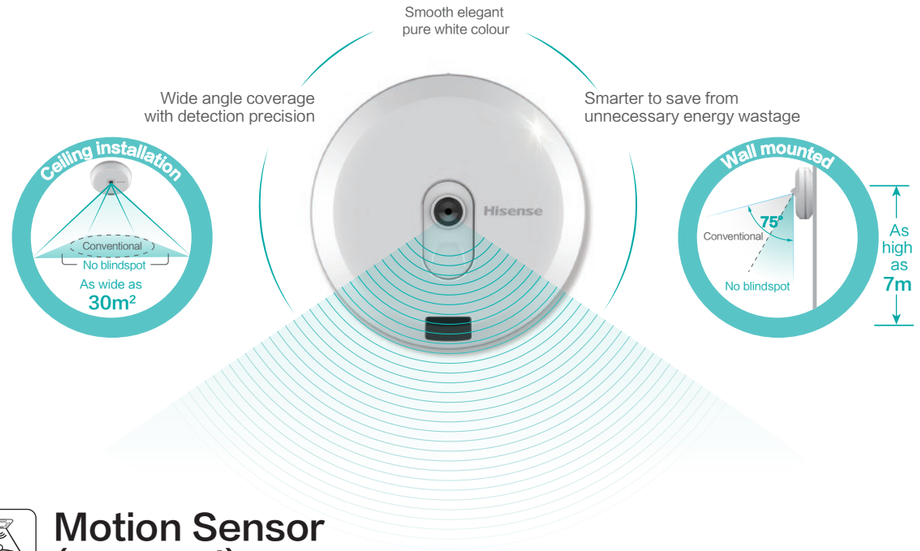
To keep up with the indoor quality requirements, Hisense VRF offers auto dehumidification function and it can be achieved by choosing a humidity sensor, and the control range is from 35% to 90%.



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.

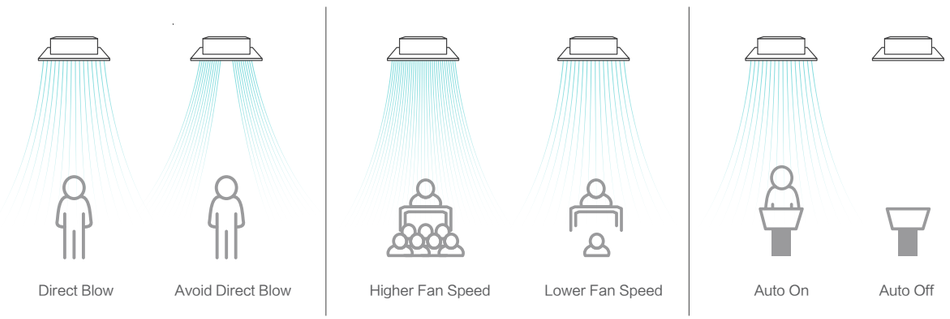
1) Automatically stops the unit when no one is in the room in order to realize energy saving.
2) Adjusting the setting temperature and air flow according to the actual human activity.



Motion Sensor (Optional)

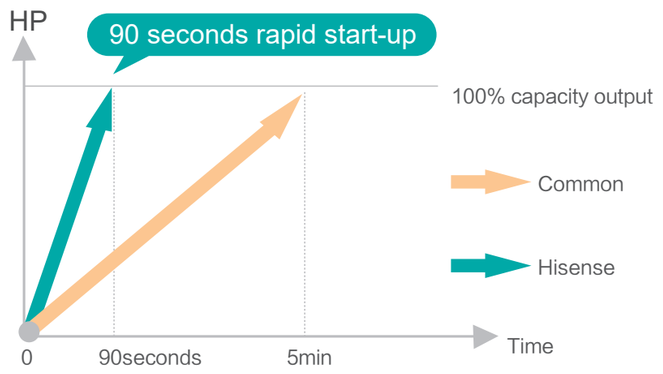
Motion Sensor, assembled in the panel of 4-Way Cassette and Mini 4-Way Cassette, can provide a more com-fortable environment, and achieve efficient and energy-saving operation of the unit at the same time.

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 Heating Start-up

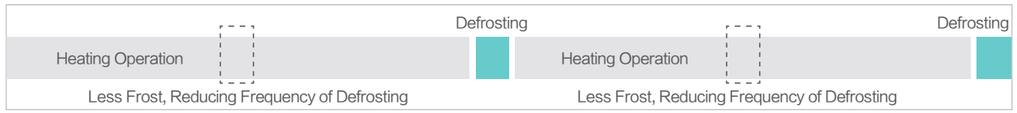
Combing the soft start of DC inverter compressor and rapid start of fixed speed compressor, the system can achieve 100% heating capacity output instantly to meet the air conditioning demand.



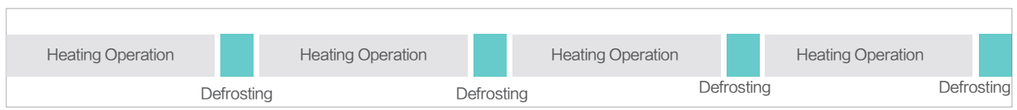
Intelligent Defrost

Hisense VRF owns its exclusive intelligent defrost technology, which adopts 3 sensors to compresively monitor the system state and determine the prefect time to defrost. It will reduce the frequency of defrosting and give more comfortable enivornment for customers.

Hisense's Optimal Defrosting Mode



Ordinary Defrosting Mode

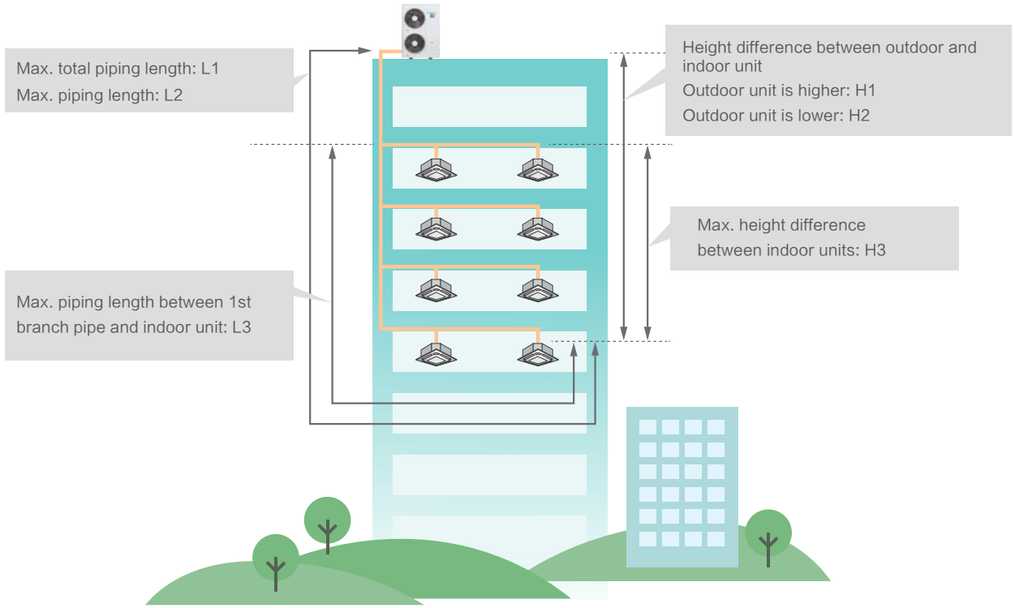


Convenient defrost mode only refers to time, ambient temperature and temperature detected on the heat exchanger, while Hisense adopts pressure defrost mode together with all above factors.

FLEXIBLE DESIGN AND INSTALLATION

Flexible Refrigerant Piping Work

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.

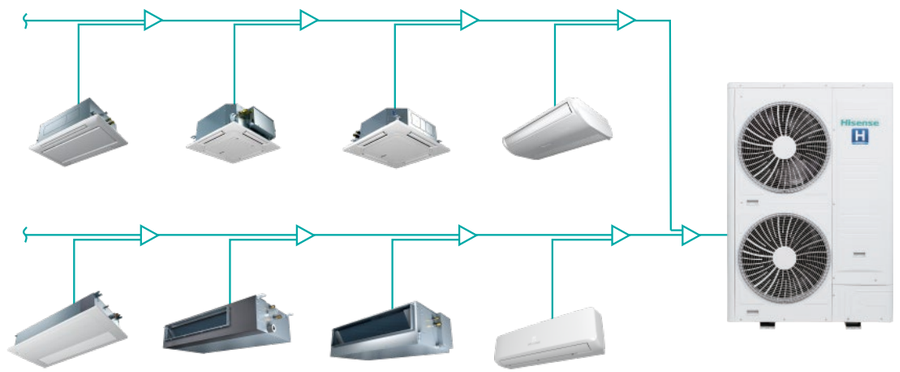


Power supply		AC 1Φ, 220–240V/ 50/60Hz			AC 1Φ, 220–240V/ 50/60Hz	AC 3Φ, 380–415V/ 50/60Hz	AC 3Φ, 380–415V/ 50/60Hz	AC 3Φ, 208/230V/ 60Hz
HP		3HP	4HP	5HP	4/5/6HP	8HP	10/12HP	8/10/12HP
Picture								
Max. total piping length L1		30	40	60	120	150	250	250
Max. piping length L2		25	25	50	75	100	100	100
Max. length between the first branch pipe and the farthest indoor unit L3		10	15	20	30	30	40	40
Height difference between ODU and IDU	Outdoor unit is higher H1	20	20	20	30	50	50	50
	Outdoor unit is lower H2	20	20	20	30	40	40	40
Height difference between IDUs H3		3.5	3.5	3.5	10	15	15	15

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.

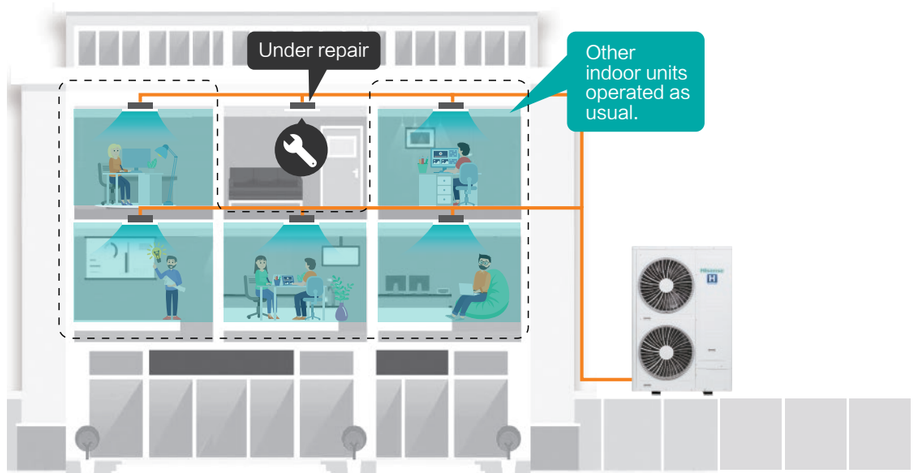


Compact Size and Light Weight

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.

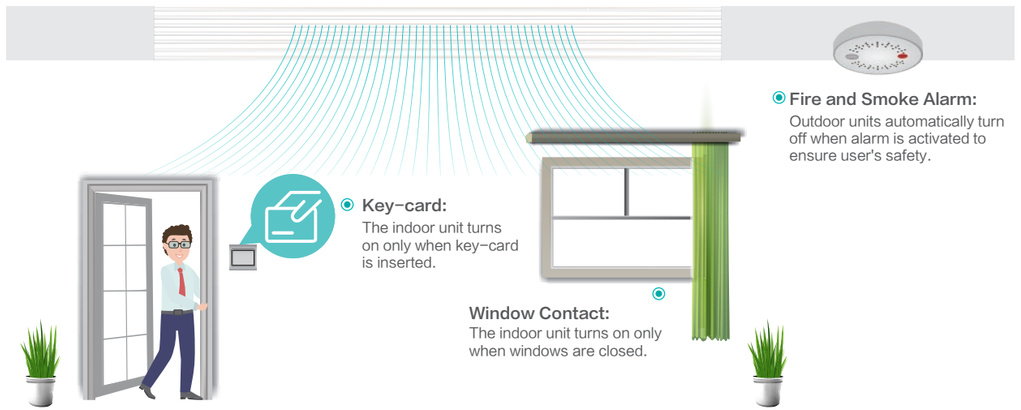
Independent Maintenance of Indoor Units

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

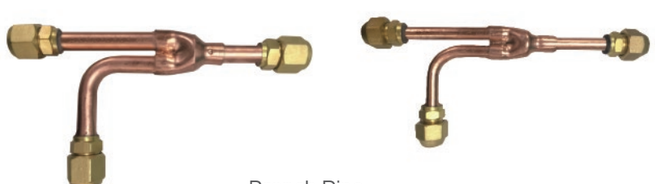
External input & output ports are reserved in indoor units and outdoor units for a wider choice of applications to control the air conditioning system. The key-card control, window contact control and any other third-party sensors or devices control can be available through setting in the indoor units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



Brazing Free Refrigerant Piping

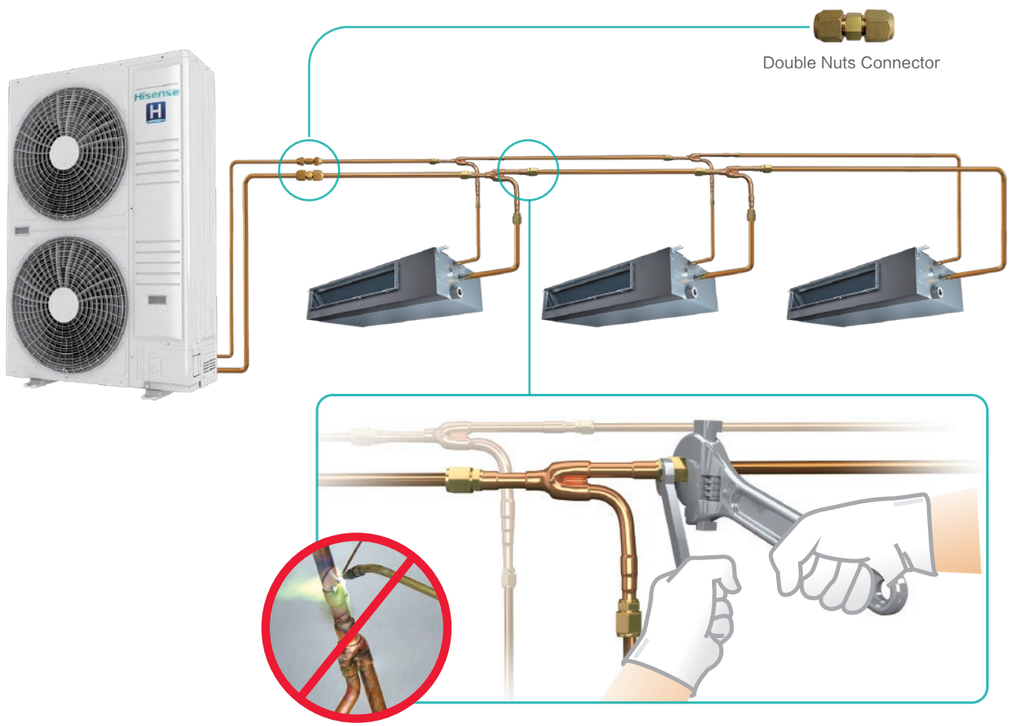
Hisense new refrigerant piping connection with flare-nut branch pipe breaks through the common way of connecting refrigerant copper pipes by replacing brazing processes with simple and safe flare nuts connections.

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



Branch Pipe

Note： suitable for ODU with Capacity of 6HP and less



One-touch Test Run

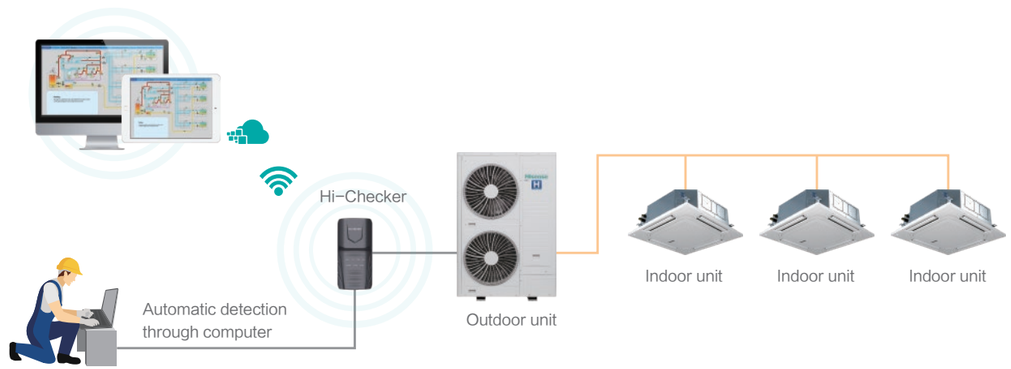
Test run is one of the essential part in testing and commissioning to make sure the air-conditioning system works steadily and safely before handing over or soft opening. To make test run as simple as possible, it's possible to conduct test runs with just a button in the wired controllers indoors or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

Test run through the wired controller

Test run through the ODU PCB

Hi-Checker

Exclusive 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.

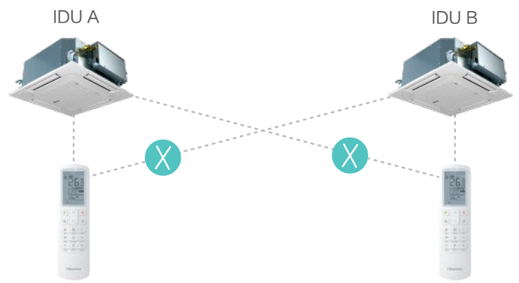


Fast Start
No Need Preheating for ODU

When the ambient temperature is above −10℃, the system can start without preheating, achieving quick cool and heat.

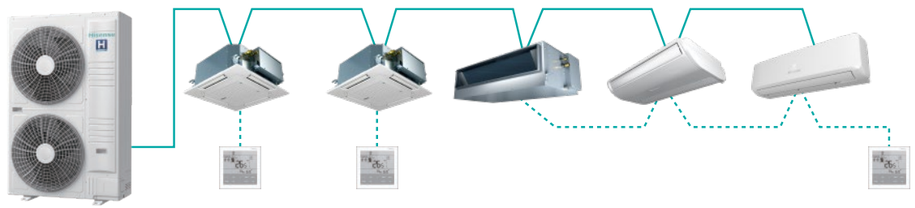
No Adjacent Interference

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

Specifications

HP			3HP	4HP	5HP
	Model		AVW-28HJFH	AVW-34HJFH	AVW-43HJFH
	Power Supply			AC 1Φ, 220V-240V/50/60Hz	
Cooling	Capacity	kW	8.0	10.0	12.5
		kBtu/h	27.3	34.1	42.7
	Power Input	kW	1.93	2.43	2.98
	EER	kW/kW	4.15	4.27	4.19
Heating	Capacity	kW	9.5	11.2	14.0
		kBtu/h	32.4	38.2	47.8
	Power Input	kW	2.37	3.01	4.15
	COP	kW/kW	4.01	3.72	3.37
Ventilation	Air Flow Rate	m^3/min	46.5	69.0	78.0
Sound	Sound Pressure Level (Cooling/Heating)	dB(A)	50/52	53/55	54/57
Compressor	Type	–		Twin Rotary	
Refrigerant	Type	–	R410A	R410A	R410A
	Pre-charged Quantity	kg	2.5	2.8	2.8
Weight	Net Weight	kg	65	73	78
	Gross Weight	kg	74	83	88
Dimensions	External (HxWxD)	mm	800x950x370	800x950x370	800x950x370
	Packing(HxWxD)	mm	951x1070x515	951x1070x515	951x1070x515
Cabinet Color			Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ15.88	Φ15.88	Φ15.88
		inch	5/8	5/8	5/8
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53
		inch	3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs	5	6	8
	Total Capacity	–	50%-125%	50%-125%	50%-125%
Piping Design	Height Difference Between ODU and IDU	m	20	20	20
		m	20	20	20
	Height Difference Between IDUs	m	3.5	3.5	3.5
	Max. Piping Length	m	25	25	50
Operation Range	Cooling	DB	-5℃~46℃	-5℃~46℃	-5℃~46℃
	Heating	WB	-15℃~15.5℃	-15℃~15.5℃	-15℃~15.5℃

Notes:

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

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

Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m

Specifications

HP			4HP	5HP	6HP
	Model		AVW-38HJFH	AVW-48HJFH	AVW-54HJFH
	Power Supply			AC 1Φ, 220V-240V/50/60Hz	
Cooling	Capacity	kW	11.2	14.0	15.5
		kBtu/h	38.2	47.8	52.9
	Power Input	kW	2.60	3.46	4.21
	EER	kW/kW	4.31	4.05	3.68
Heating	Capacity	kW	12.5	16.0	18.0
		kBtu/h	42.7	54.6	61.4
	Power Input	kW	2.78	3.71	4.47
	COP	kW/kW	4.50	4.31	4.03
Ventilation	Air Flow Rate	m^3/min	90.0	90.0	100.0
Sound	Sound Pressure Level (Cooling/Heating)	dB(A)	50/52	52/54	53/55
Compressor	Type	–		Twin Rotary	
Refrigerant	Type	–	R410A	R410A	R410A
	Pre-charged Quantity	kg	3.8	3.8	4.1
Weight	Net Weight	kg	93	95	97
	Gross Weight	kg	112	112	112
Dimensions	External (HxWxD)	mm	1380x950x370	1380x950x370	1380x950x370
	Packing(HxWxD)	mm	1531x1070x515	1531x1070x515	1531x1070x515
Cabinet Color			Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ15.88	Φ15.88	Φ15.88
		inch	5/8	5/8	5/8
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53
		inch	3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs	9	11	11
	Total Capacity	–	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m	30	30	30
		m	30	30	30
	Height Difference Between IDUs	m	10	10	10
	Max. Piping Length	m	75	75	75
Operation Range	Cooling	DB	-5℃~46℃	-5℃~46℃	-5℃~46℃
	Heating	WB	-20℃~15.5℃	-20℃~15.5℃	-20℃~15.5℃

Notes:

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

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

Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m

Specifications

HP			8HP	10HP	12HP	8HP	10HP	12HP
	Model		AVW-76HKFH1	AVW-96HKFH1	AVW-114HKFH1	AVW-76H8FH2E2	AVW-96H8FH2E2	AVW-114H8FH2E2
	Power Supply		AC 3Φ, 380V-415V/50/60Hz			AC 3Φ, 208/230V/60Hz		
Cooling	Capacity	kW	22.4	28.0	33.5	22.4	28.0	33.5
		kBtu/h	76.5	95.6	114.3	76.4	95.5	114.3
	Power Input	kW	6.37	7.75	10.30	6.37	7.75	10.30
	SEER	kW/kW	6.62	6.85	6.29	–	–	–
	EER	kW/kW	3.52	3.61	3.25	3.52	3.61	3.25
Heating	Capacity	kW	25.0	31.5	37.5	25.0	31.5	37.5
		kBtu/h	85.3	107.5	128	85.3	107.5	128.0
	Power Input	kW	5.84	7.00	10.00	5.84	7.00	10.00
	SCOP	kW/kW	4.10	4.21	3.98	—	—	—
	COP	kW/kW	4.28	4.50	3.75	4.28	4.50	3.75
Ventilation	Air Flow Rate	m^3/min	127.0	150.0	163.0	150.0	160.0	163.0
Sound	Sound Pressure Level (Cooling/Heating)	dB(A)	57/58	58/59	59/60	58/59	59/60	60/61
Compressor	Type	–	Twin Rotary			Twin Rotary		
Refrigerant	Type	–	R410A	R410A	R410A	R410A	R410A	R410A
	Pre-charged Quantity	kg	5.63	5.50	6.50	5.50	6.00	6.50
Weight	Net Weight	kg	124	145	158	150	151	164
	Gross Weight	kg	139	161	175	168	169	182
Dimensions	External (HxWxD)	mm	1380x950x370	1650x1100x390	1650x1100x390	1650x1100x390	1650x1100x390	1650x1100x390
	Packing(HxWxD)	mm	1531x1070x515	1806x1185x530	1806x1185x530	1806x1185x530	1806x1185x530	1806x1185x530
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ19.05	Φ22.20	Φ25.40
		inch	3/4	7/8	1	3/4	7/8	1
	Liquid	mm	Φ9.53	Φ12.7	Φ12.7	Φ9.53	Φ12.70	Φ12.70
		inch	3/8	1/2	1/2	3/8	1/2	1/2
Connectable Indoor Units	Quantity	pcs	15	17	19	15	17	19
	Total Capacity	–	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m	50	50	50	50	50	50
		m	40	40	40	40	40	40
	Height Difference Between IDUs	m	15	15	15	15	15	15
	Max. Piping Length	m	100	100	100	100	100	100
	Total Piping Length	m	150	250	250	250	250	250
Operation Range	Cooling	DB	-5℃~50℃	-5℃~50℃	-5℃~50℃	-5℃~52℃	-5℃~52℃	-5℃~52℃
	Heating	WB	-20℃~15.5℃	-20℃~15.5℃	-20℃~15.5℃	-25℃~16.5℃	-25℃~16.5℃	-25℃~16.5℃

Notes:

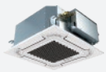
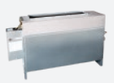
Rated cooling capacity and rated heating capacity are tested in the following conditions:

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

Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m

INDOOR UNITS

Indoor Units Line-up

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

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

Indoor Units Feature Overview

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

Remarks: Standard: ● Optional: ○ Incompatible: ×

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

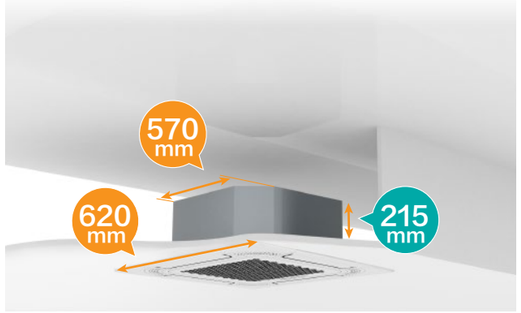
Remarks: Standard: ● Optional: ○ Incompatible: ×

4-Way Cassette
Mini 4-Way Cassette

Compact and Classy Design

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

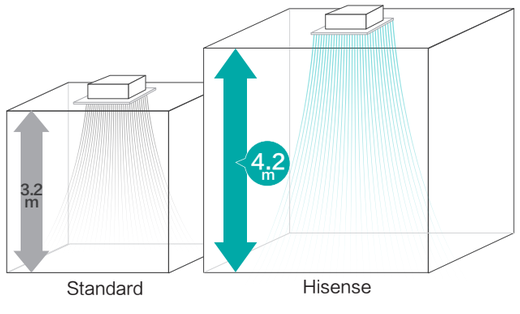
4-way Cassette



Mini 4-way Cassette

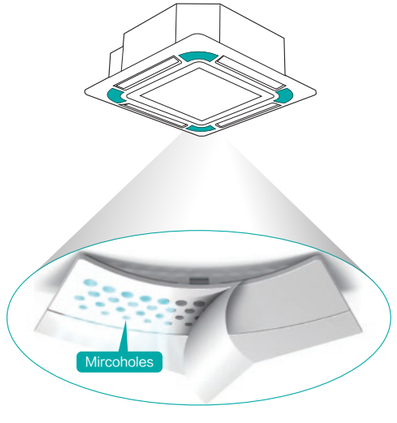
Higher Installation

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



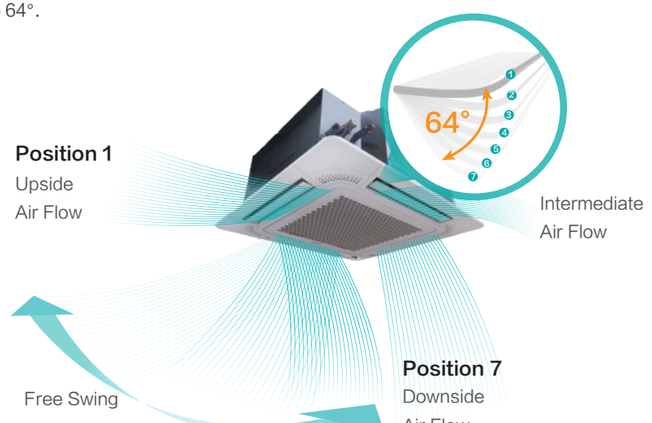
Breeze Mode

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



Individual Louvers Control

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

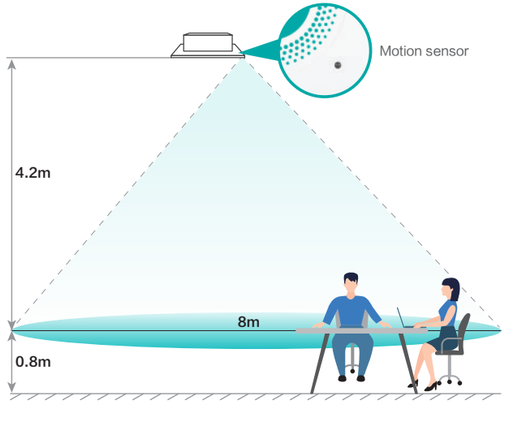


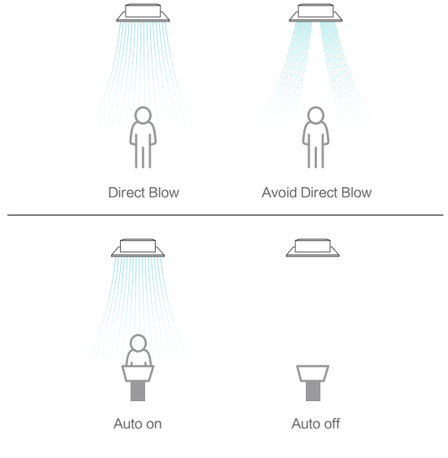
Self-cleaning Function

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

Motion Sensor

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





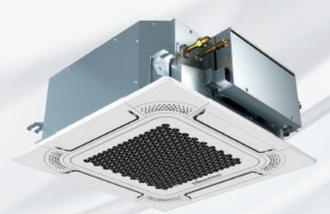
4-Way Cassette

Model			AVBC-09 HJDBA	AVBC-12 HJDBA	AVBC-15 HJDBA	AVBC-19 HJDBA	AVBC-22 HJDBA	AVBC-24 HJDBA	AVBC-27 HJDBA	AVBC-30 HJDBA	AVBC-38 HJDBA	AVBC-48 HJDBA	AVBC-54 HJDBA
Power supply			AC 1Φ, 220V~240V/50Hz/60Hz										
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
		Btu/h	9,600	12,300	15,300	19,100	21,500	24,200	27,300	30,700	38,200	47,800	54,600
	Heating	kW	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
		Btu/h	10,900	13,700	17,100	21,500	24,200	27,300	30,700	34,100	42,700	54,600	61,400
Power Input	Cooling	W	20	30	40	50	50	60	70	70	80	130	130
	Heating	W	20	30	40	50	50	60	70	70	80	130	130
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
Air Flow Rate		m³/min	15.0/12.8/ 12.0/10.8/ 10.0/8.8	17.0/14.0/ 12.8/11.8/ 10.8/9.1	19.0/15.0/ 13.9/12.6/ 11.4/10.5	19.0/15.0/ 13.9/12.6/ 11.8/10.5	26.0/20.0/ 18.3/17.0/ 15.1/13.0	27.0/21.1/ 19.1/18.0/ 15.8/14.7	25.0/21.1/ 19.6/17.9/ 16.1/14.7	25.0/22.3/ 20.3/18.3/ 16.9/15.3	31.0/29.5/ 28.7/26.0/ 23.5/20.5	37.0/33.5/ 29.6/27.2/ 24.2/22.4	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	–	O.D. 32										
Weight	Net Weight	kg	20	20	20	20	21	21	23	23	26	26	26
	Gross Weight	kg	24	24	24	24	25	25	27	27	31	31	31
Dimensions	External	H mm	238	238	238	238	238	238	238	238	288	288	288
		W mm	840	840	840	840	840	840	840	840	840	840	840
		D mm	840	840	840	840	840	840	840	840	840	840	840
	Packaging	H mm	292	292	292	292	292	292	292	292	342	342	342
		W mm	945	945	945	945	945	945	945	945	945	945	945
		D mm	945	945	945	945	945	945	945	945	945	945	945
Decoration Panel	Model	–	HPE-GNK1										
	Color	–	Neutral White										
	Body 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
	Packaging Dimensions	H mm	100	100	100	100	100	100	100	100	100	100	100
		W mm	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022
		D mm	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022	1022
	Net Weight	kg	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	Gross Weight	kg	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0

Notes:

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

Mini 4-Way Cassette



Model			AVC-05HJDBA	AVC-07HJDBA	AVC-09HJDBA	AVC-12HJDBA	AVC-15HJDBA	AVC-17HJDBA	AVC-19HJDBA
Power supply			AC 1Φ, 220V~240V/50Hz/60Hz						
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.0	5.6
		Btu/h	5,100	7,500	9,600	12,300	15,300	17,000	19,100
	Heating	kW	2.0	2.5	3.3	4.2	5.0	5.6	6.3
		Btu/h	6,800	8,500	11,200	14,300	17,000	19,100	21,500
Power Input	Cooling	W	14	14	14	16	22	30	40
	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
Air Flow 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	7.8/7.2/6.5/5.8	9.3/8.7/7.1/6.7	11.0/9.5/8.7/7.1	12.5/10.8/9.3/8.0
Piping	Connection Type	–	Flare-nut Connection(with Flare Nuts)						
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		inch	(1/4)	(1/4)	(1/4)	(1/4)	(1/4)	(1/4)	(1/4)
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
		inch	(1/2)	(1/2)	(1/2)	(1/2)	(1/2)	(1/2)	(1/2)
	Condensate Drain	–	O.D. 32						
Weight	Net Weight	kg	14.5	14.5	14.8	14.8	15.8	15.8	15.8
	Gross Weight	kg	17.3	17.3	17.6	17.6	18.6	18.6	18.6
Dimensions	External	H mm	215	215	215	215	215	215	215
		W mm	570	570	570	570	570	570	570
		D mm	570	570	570	570	570	570	570
	Packaging	H mm	292	292	292	292	292	292	292
		W mm	730	730	730	730	730	730	730
		D mm	668	668	668	668	668	668	668
Decoration Panel	Model	–	HPE-DNK1						
	Color	–	Neutral White						
	Body 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
	Packaging Dimensions	H mm	115	115	115	115	115	115	115
		W mm	690	690	690	690	690	690	690
		D mm	680	680	680	680	680	680	680
	Net Weight	kg	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	Gross Weight	kg	4.0	4.0	4.0	4.0	4.0	4.0	4.0

Notes:

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

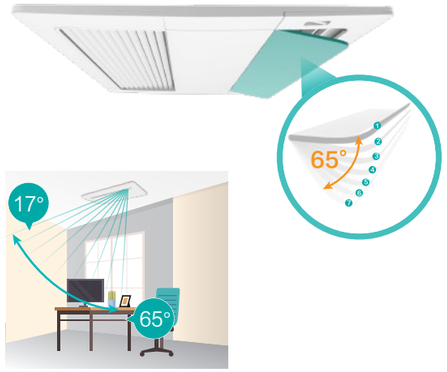
1-Way Cassette

Seamless Integration

The one-way cassette unit features a minimalist and elegant design that seamlessly integrates with indoor decor. Its compact body not only saves space but also effectively directs airflow, making it ideal for installation in confined spaces.

Even Air Supply

The louvers are composed of horizontal and vertical slats to evenly distribute air. With adjustable angles ranging from 17° to 65° , it effectively direct air further and downward to the floor, which is especially beneficial during heating mode.



Space Saving

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

Easier Maintenance

The electrical box is located at the bottom of the unit, allowing easy access to the PCB by simply removing the panel and box cover. This design simplifies commissioning and maintenance, streamlining the process and reducing both time and costs.

Model				AVY-07UXJSJA	AVY-09UXJSJA	AVY-12UXJSJA	AVY-14UXJSJA	AVY-18UXJSKA	AVY-24UXJSKA
Power Supply				AC 1Φ, 220-240V/50Hz					
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	7.1
			Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	Heating		kW	2.5	3.2	4.0	5.0	6.3	8.0
			Btu/h	8,500	10,900	13,600	17,100	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	Φ12.70	Φ12.70	Φ12.70	Φ12.70	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
	Packaging	H	mm	268	268	268	268	268	268
		W	mm	1136	1136	1136	1136	1406	1406
		D	mm	574	574	574	574	574	574
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
	Packaging Dimensions	H	mm	130	130	130	130	130	130
		W	mm	1160	1160	1160	1160	1430	1430
		D	mm	610	610	610	610	610	610
	Net Weight		kg	5	5	5	5	6	6
	Gross Weight		kg	8	8	8	8	10	10

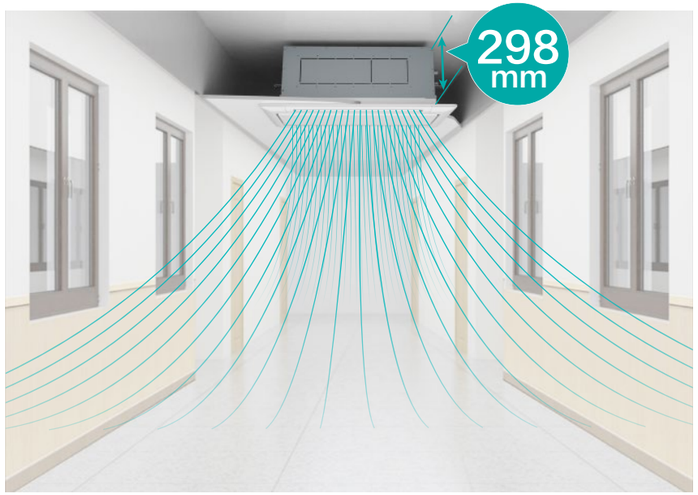
Notes:

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

2-Way Cassette

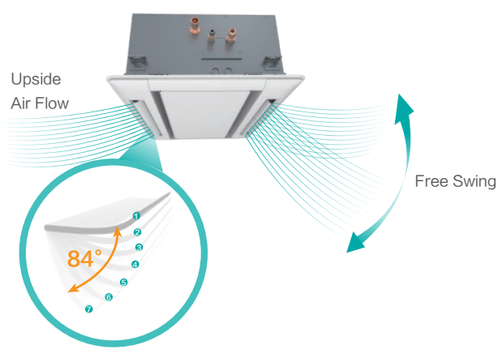
Compact and Classy Design

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



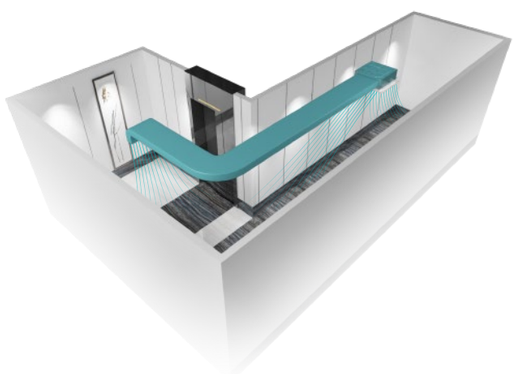
Independent Louvers Control

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



Branch Discharge Option

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



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 1Φ, 220~240V/50Hz/60Hz										
Capacity	Cooling		kW	2.2	2.8	3.6	4.3	5.6	7.1	8.4	9.0	11.2	14.0	16.0
			Btu/h	7,500	9,600	12,300	14,700	19,100	24,200	28,700	30,700	38,200	47,800	54,600
	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			m^3/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	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain		mm	I.D.32										
Weight	Net Weight		kg	22	22	22	24	24	24	24	24	39	39	39
	Gross Weight		kg	28	28	28	30	30	30	30	30	47	47	47
Dimensions	External	H	mm	298	298	298	298	298	298	298	298	298	298	298
		W	mm	860	860	860	860	860	860	860	860	1420	1420	1420
		D	mm	630	630	630	630	630	630	630	630	630	630	630
	Packaging	H	mm	350	350	350	350	350	350	350	350	350	350	350
		W	mm	1070	1070	1070	1070	1070	1070	1070	1070	1630	1630	1630
		D	mm	710	710	710	710	710	710	710	710	710	710	710
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	1660	1660	1660
		D	mm	710	710	710	710	710	710	710	710	710	710	710
	Packaging Dimensions	H	mm	160	160	160	160	160	160	160	160	160	160	160
		W	mm	1170	1170	1170	1170	1170	1170	1170	1170	1710	1710	1710
		D	mm	740	740	740	740	740	740	740	740	740	740	740
	Net Weight		kg	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.5	10.5	10.5
	Gross Weight		kg	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	17.8	17.8	17.8

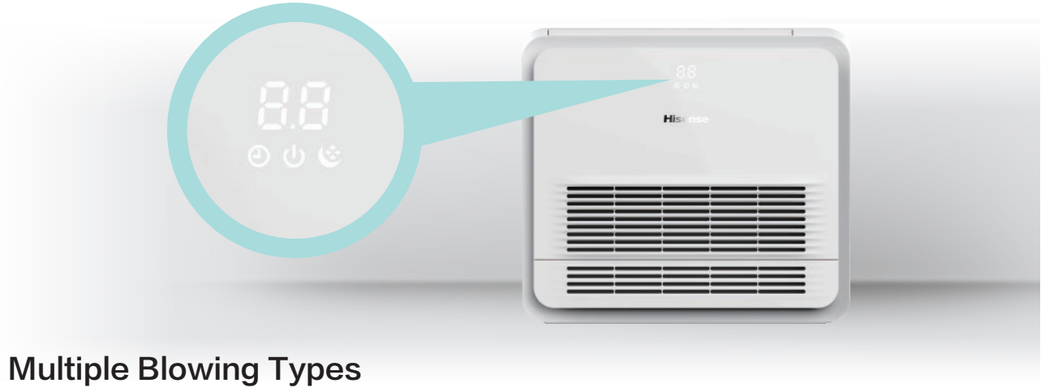
Notes:

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

Console

Stylish Design

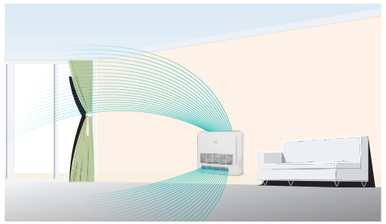
The console unit is stylish with a sleek white cover, integrated LED indicators, and a temperature display. It is ideal for both residential and commercial applications where installation on or near the floor is required.

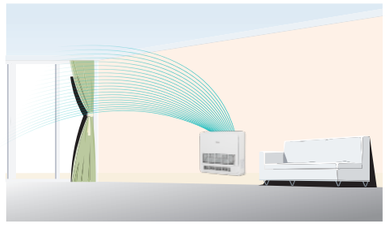


Multiple Blowing Types

Cooling Mode

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

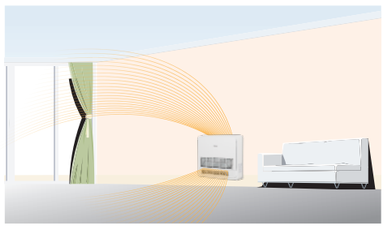


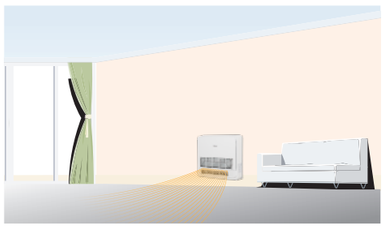


*Note: During cooling mode, the lower air louver will close automatically after the indoor unit operates in low fan speed mode for an hour. Otherwise it will keep open.

Heating Mode

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





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

Flexible Installation Options

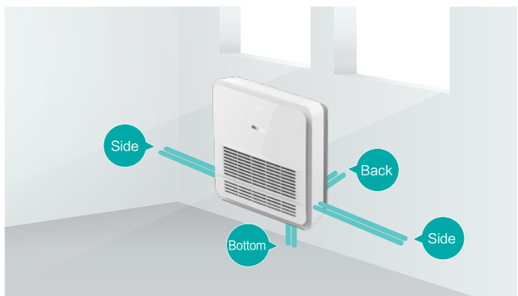
The unit can be placed on the floor or hanged on the wall, and offers flexibility with surface-mounted, embedded, or concealed installation options.

Standing on the floor

Hanging on the wall

Flexible Piping Connection

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

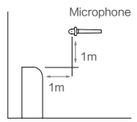


Model			AVK-05HJFCAA	AVK-07HJFCAA	AVK-09HJFCAA	AVK-12HJFCAA	AVK-15HJFCAA	AVK-17HJFCAA
Power Supply			AC 1Φ, 220V~240V/50Hz/60Hz					
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.0
		Btu/h	5,100	7,500	9,600	12,300	15,300	17,000
	Heating	kW	2.0	2.5	3.3	4.2	5.0	5.6
		Btu/h	6,800	8,500	11,200	14,300	17,000	19,100
Power Input	Cooling	W	10	11	12	14	18	23
	Heating	W	10	11	12	14	18	23
Sound Pressure		dB(A)	32/30/29/28/26/24	34/32/31/29/27/26	36/35/32/31/29/27	39/36/34/31/29/27	41/39/37/35/33/32	44/43/41/39/37/36
Airflow Rate		m³/min	6.0/5.7/5.3/ 5.1/4.7/4.5	7.4/7.0/6.4/ 6.0/5.6/5.3	8.0/7.4/7.0/ 6.4/6.0/5.6	8.2/7.6/6.8/ 6.2/5.7/5.3	9.0/8.5/7.8/ 7.2/6.6/6.4	10.1/9.7/9.0/ 8.5/7.9/7.3
Panel Colour		–	Pure White	Pure White	Pure White	Pure White	Pure White	Pure White
Piping	Connection Type	–	Flare-nut Connection (with Flare Nuts)					
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35
		inch	1/4	1/4	1/4	1/4	1/4	1/4
	Gas	mm	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70	Φ 12.70
		inch	1/2	1/2	1/2	1/2	1/2	1/2
	Condensate Drain	mm	O.D.18					
Weight	Net Weight	kg	16.1	16.1	16.1	17.4	17.4	17.4
	Gross Weight	kg	20.6	21.1	21.1	21.5	21.5	21.5
Dimensions	External	H mm	630	630	630	630	630	630
		W mm	700	700	700	700	700	700
		D mm	225	225	225	225	225	225
	Packaging	H mm	725	725	725	725	725	725
		W mm	790	790	790	790	790	790
		D mm	315	315	315	315	315	315

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)

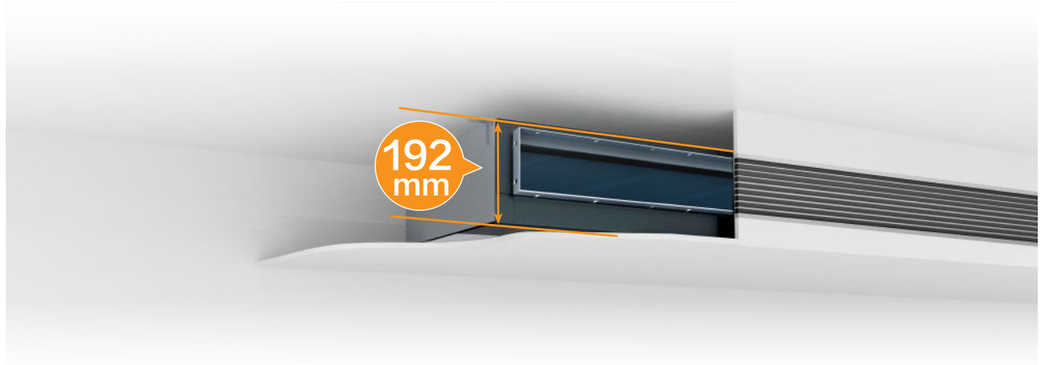
2. The sound pressure level is based on following conditions:
   It is measured in anechoic room. Operation noise differs with operation and ambient conditions.
   Location of Microphone:



Ceiling Ducted (AC/DC Low Height)

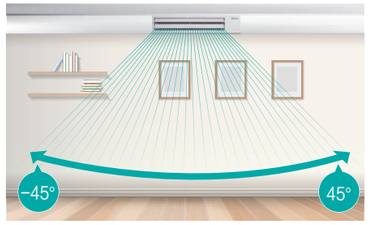
Space Saving

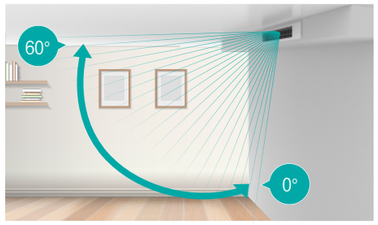
Concealed AC/DC Low Height Ducted unit is as slim as 192mm, fitting into the narrowest ceiling spaces. Save ceiling spaces for higher room height without compromising user's comfort and satisfaction.

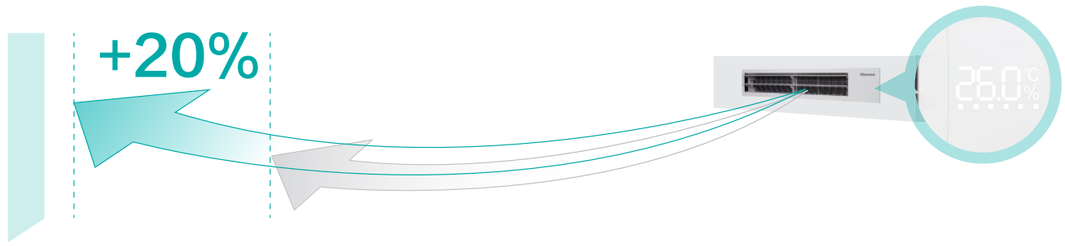


3D Air Flow

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







Ceiling Ducted (AC Low Height)

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

Notes:

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

Model				AVE-05HJDDH	AVE-07HJDDH	AVE-09HJDDH	AVE-12HJDDH	AVE-15HJDDH	AVE-19HJDDH	AVE-24HJDDH
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
			Btu/h	5,800	7,500	9,600	12,300	15,300	19,100	24,200
	Heating		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
			Btu/h	6,500	8,500	11,300	13,600	17,100	21,500	27,300
Power Input	Cooling		W	30	30	50	50	60	60	90
	Heating		W	30	30	50	50	60	60	90
Sound Pressure			dB(A)	28/27/26/24/23/21	28/27/26/24/23/21	35/32/32/30/26/23	35/32/32/30/26/23	35/32/32/30/26/23	35/32/30/28/25/23	38/36/35/33/31/24
Air Flow Rate			m^3/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	12.0/10.8/9.4/ 8.1/6.8/5.5	13.5/12.5/11.2/ 10.0/8.8/7.7	18.0/16.1/14.3/ 12.3/10.5/8.7
External Static Pressure			Pa	10(10~30~50)						
Piping	Connection Type		–	Flare-nut Connection(with Flare Nuts)						
	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	1/4	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8
	Condensate Drain		–	I.D.32						
Weight	Net Weight		kg	16	16	17	17	20	24	24
	Gross Weight		kg	19	19	20	20	24	29	29
Dimensions	External Dimension	H	mm	192	192	192	192	192	192	192
		W	mm	700	700	700	700	910	1180	1180
		D	mm	447	447	447	447	447	447	447
	Packaging Dimensions	H	mm	270	270	270	270	270	270	270
		W	mm	925	925	925	925	1136	1406	1406
		D	mm	574	574	574	574	574	574	574

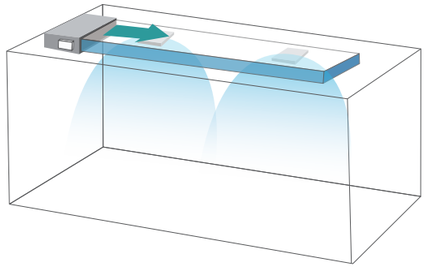
Notes:

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

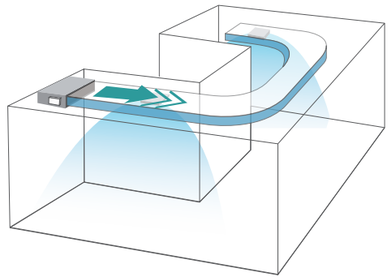
Ceiling Ducted(High/Low Static Pressure)

Auto-adjust External Static Pressure

After installation, the actual duct resistance frequently differ from the initially calculated, causing the actual air flow too low or too high. The auto-adjust ESP function can effectively solve this problem. At the initial commission, the system can automatically select the most appropriate ESP value according to the actual duct resistance.



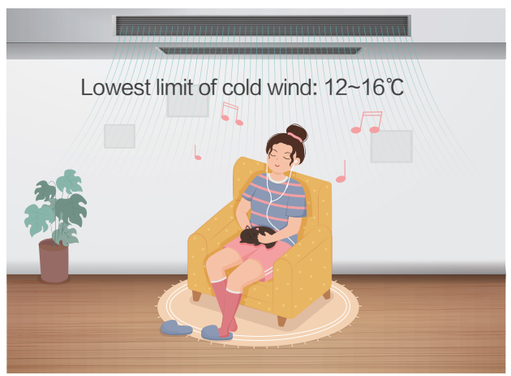
Auto-adjust Low ESP



Auto-adjust High ESP

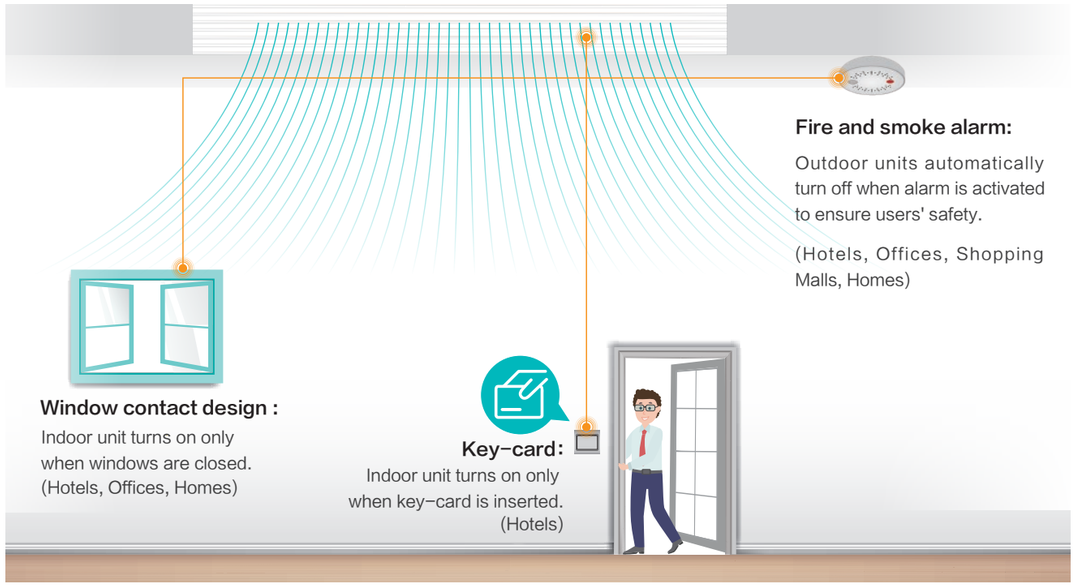
Comfort Cooling Mode

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



Various Device Connection Options

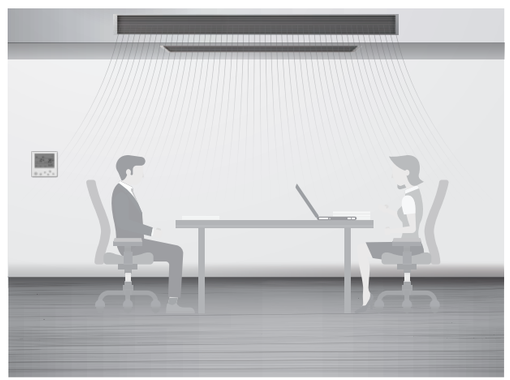
Third party devices to control the on-off air conditioners is possible with dry contact connections to the Indoor unit. Devices like room key card, window contact and fire alarms can be connected simultaneously.



Precise Temperature Control

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

Hisense VRF



Conventional

Self-cleaning Function

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

New Improved Bendable Filters

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

Fresh Air Introducing

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

Ceiling Ducted (DC High Static Pressure)

Model			AVD-07 HJDH	AVD-09 HJDH	AVD-12 HJDH	AVD-15 HJDH	AVD-19 HJDH	AVD-24 HJDH	AVD-24 HJDH1	AVD-30 HJDH	AVD-38 HJDH	AVD-42 HJDH	AVD-48 HJDH	AVD-54 HJDH	AVD-76 HJDH	AVD-96 HJDH
Power Supply			AC 1Φ, 220V~240V/50Hz/60Hz													
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	7.1	9.0	11.2	12.5	14.0	16.0	22.4	28.0
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	24,200	30,800	38,000	42,000	48,000	54,500	76,500	95,600
	Heating	kW	2.5	3.2	4.0	4.6	6.3	8.0	8.0	10.0	12.5	14	16.0	18.0	25.0	31.5
		Btu/h	8,500	10,900	13,700	17,100	21,600	27,400	27,400	34,200	42,500	48,000	54,500	61,500	85,300	107,500
Power Input	Cooling	W	40	40	55	55	55	82	74	100	132	180	180	223	610	830
	Heating	W	40	40	55	55	55	82	74	100	132	180	180	223	610	830
Sound Pressure Level		dB(A)	30/27/23/ 21/20/19	30/27/23/ 21/20/19	35/33/32/ 28/26/24	35/33/32/ 28/26/24	33/30/27/ 25/23/22	36/34/31/ 28/24/22	33/31/28/ 25/23/21	34/32/30/ 28/25/22	37/35/31/ 29/26/23	38/36/34/ 31/29/26	38/36/34/ 31/29/26	41/38/35/ 33/30/27	49/48/47/ 46/45/44	53/52/50/ 49/47/45
Airflow Rate		m^3/min	9/8/6.8/ 6.3/5.8/5.3	9/8/6.8/ 6.3/5.8/5.3	12/11/10/ 9/8/7.2	12/11/10/ 9/8/7.2	14.5/13/11.5/ 10.5/9.5/8.7	19/17/15/ 13/11/9.5	20.6/19/17/ 15/13.8/12.5	25/23/21/ 19/17/15	28/25/23/ 21/19/17	35.5/32.5/29.5/ 26.5/23.5/20.5	35.5/32.5/29.5/ 26.5/23.5/20.5	39/35.5/31/ 26.5/23.5/21.8	57/54/52/ 51/49/48	72/68/65/ 61/58/50
External Static Pressure		Pa	30 (30/40/50/60/70/80/90/100/110/120/130/140/150)						50 (50/60/70/80/90/100/110/120/130/140/150/160/170/180/190/200)						150(50-250)	150(50-250)
Piping	Connection Type	–	Flare-Nut Connection(With Flare Nut)												Brazing	
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ22.2 (Φ19.05*1)	Φ22.2
		inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	7/8 (3/4*1)	7/8
	Condensate Drain	–	I.D. 32													
Weight	Net Weight	kg	23	23	24	24	30	30	40	40	40	49	49	49	104	104
	Gross Weight	kg	29	29	29	29	37	37	48	48	48	57	57	57	125	125
Dimensions	External	H mm	270	270	270	270	270	270	300	300	300	300	300	300	470	470
		W mm	650+75	650+75	650+75	650+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75	1400+75	1250	1250
		D mm	720	720	720	720	720	720	800	800	800	800	800	800	1120	1120
	Packing	H mm	385	385	385	385	385	385	415	415	415	415	415	415	546	546
		W mm	895	895	895	895	1140	1140	1345	1345	1345	1640	1640	1640	1466	1466
		D mm	870	870	870	870	870	870	950	950	950	950	950	950	1345	1345

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)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20° C DB(68° F DB).
   Outdoor Air Inlet Temperature: 7° C DB(45° F DB), 6° C WB(43° F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.5m below the unit; With 2.0m discharge duct and 1.0m return duct
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. *1: The size of AVD-76* series gas pipe is Φ22.2mm when leaving the factory, and the diameter can be changed to 19.05mm after welding the adapter pipe.

Ceiling Ducted (High Static Pressure)

Model				AVD-07 HCFCH	AVD-09 HCFCH	AVD-12H CFCH	AVD-15H CFCH	AVD-19 HCFCH	AVD-22 HCFCH	AVD-24 HCFCH	AVD-27 HCFCH	AVD-30 HCFCH	AVD-38 HCFCH	AVD-48 HCFCH	AVD-54 HCFCH
Power Supply				AC 1Φ, 220V~240V/50Hz											
Model				AVD-07 H3FCH	AVD-09 H3FCH	AVD-12 H3FCH	AVD-15 H3FCH	AVD-19 H3FCH	AVD-22 H3FCH	AVD-24 H3FCH	AVD-27 H3FCH	AVD-30 H3FCH	AVD-38 H3FCH	AVD-48 H3FCH	AVD-54 H3FCH
Power Supply				AC 1Φ, 208~230V/60Hz											
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
			Btu/h	7,500	9,600	12,300	15,400	19,100	21,600	24,200	27,400	30,800	38,000	48,000	54,500
	Heating		kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
			Btu/h	8,500	10,900	13,700	17,100	21,600	24,200	27,400	30,800	34,200	42,500	54,500	61,500
Power Input	Cooling		kW	0.10(0.13*2)	0.10(0.13*2)	0.13(0.16*2)	0.13(0.16*2)	0.14(0.21*2)	0.19(0.24*2)	0.19(0.24*2)	0.25(0.34*2)	0.25(0.34*2)	0.25(0.34*2)	0.34(0.45*2)	0.43(0.59*2)
	Heating		kW	0.10(0.13*2)	0.10(0.13*2)	0.13(0.16*2)	0.13(0.16*2)	0.14(0.21*2)	0.19(0.24*2)	0.19(0.24*2)	0.25(0.34*2)	0.25(0.34*2)	0.25(0.34*2)	0.34(0.45*2)	0.43(0.59*2)
Sound Pressure	220~240V/50Hz		dB(A)	32/27/25	32/27/25	35/32/26	35/32/26	36/35/30	39/32/25	39/32/25	42/39/34	42/39/34	42/39/34	43/40/35	46/40/35
	208V/60Hz		dB(A)	33/28/24	33/28/24	37/34/29	37/34/29	37/35/29	39/32/25	39/32/25	42/38/33	42/38/33	42/38/33	44/39/34	45/40/34
	230V/60Hz		dB(A)	37/33/28	37/33/28	40/38/33	40/38/33	42/40/34	43/37/30	43/37/30	44/42/37	44/42/37	44/42/37	47/43/38	46/42/38
Air Flow(Hi/Me/Lo)			m^3/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/19.5	35.5/29/24	39/31/24
External Static Pressure	220~240V/50Hz 208V/60Hz		Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	120(90)	120(90)	120(90)	120(90)	120(90)
	230V/60Hz		Pa	80(105)	80(105)	90(115)	90(115)	90(115)	90(115)	90(115)	170(150)	170(150)	170(150)	170(150)	170(150)
Piping	Connection Type		–	Flare-nut Connection (with Flare Nuts)											
	Liquid		mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 9.53	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	3/8
	Gas		mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	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	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain		mm	I.D.32											
Weight	Net Weight		kg	25(24*1)	25(24*1)	25(24*1)	25(24*1)	30(31*1)	30(31*1)	30(31*1)	45(44*1)	45(44*1)	45(44*1)	53(50*1)	53(50*1)
	Gross Weight		kg	31(30*1)	31(30*1)	31(30*1)	31(30*1)	36(38*1)	37(38*1)	37(38*1)	52(52*1)	52(52*1)	52(52*1)	61(59*1)	61(59*1)
Dimensions	External	H	mm	270	270	270	270	270	270	270	300	300	300	300	300
		W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75
		D	mm	720	720	720	720	720	720	720	800	800	800	800	800
	Packaging	H	mm	385	385	385	385	385	385	385	415	415	415	415	415
		W	mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640
		D	mm	870	870	870	870	870	870	870	950	950	950	950	950

Notes:

1.The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27℃ 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: The value noted *1 is the parameter of the indoor units with power supply 208~230V/60Hz.

Ceiling Ducted (Low Static Pressure)

Model				AVD-07 HCFCL	AVD-09 HCFCL	AVD-12 HCFCL	AVD-15 HCFCL	AVD-19 HCFCL	AVD-22 HCFCL	AVD-24 HCFCL	AVD-27 HCFCL	AVD-30 HCFCL	AVD-38 HCFCL	AVD-48 HCFCL	AVD-54 HCFCL
Power Supply				AC 1Φ, 220V~240V/50Hz											
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
			Btu/h	7,500	9,600	12,300	15,400	19,100	21,600	24,200	27,400	30,800	38,000	48,000	54,500
	Heating		kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
			Btu/h	8,500	10,900	13,700	17,100	21,600	24,200	27,400	30,800	34,200	42,500	54,500	61,500
Power Input	Cooling		W	60	60	110	110	90	160	160	240	240	240	290	360
	Heating		W	60	60	110	110	90	160	160	240	240	240	290	360
Sound Pressure			dB(A)	27/23/21	27/23/21	34/30/25	34/30/25	32/30/26	35/28/24	35/28/24	38/33/30	38/33/30	38/33/30	41/38/33	44/39/33
Air Flow Rate (Hi/Me/Lo)			m^3/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/19.5	35.5/29/24	39/31/24
External Static Pressure			Pa	30	30	30	30	30	30	30	60	60	60	60	60
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	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain		mm	I.D.32											
Weight	Net Weight		kg	25	25	25	25	30	30	30	45	45	45	52	52
	Gross Weight		kg	31	31	31	31	36	37	37	52	52	52	61	61
Dimensions	External	H	mm	270	270	270	270	270	270	270	300	300	300	300	300
		W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75
		D	mm	720	720	720	720	720	720	720	800	800	800	800	800
	Packaging	H	mm	385	385	385	385	385	385	385	415	415	415	415	415
		W	mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640
		D	mm	870	870	870	870	870	870	870	950	950	950	950	950

Notes:

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

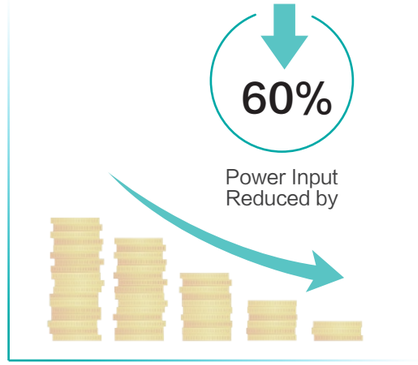
2. The sound pressure level is based on the following conditions: 1.5m beneath the unit.
With discharge duct (2.0m) and return duct (1.0m).
The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

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

Wall Mounted

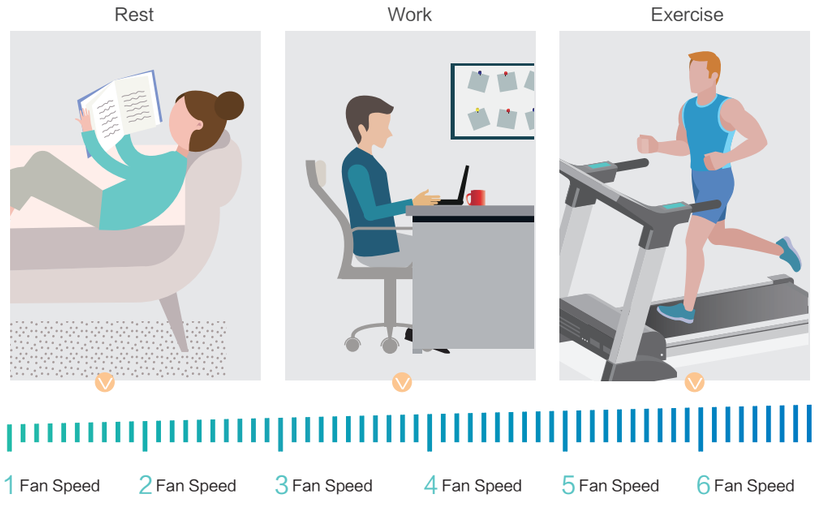
High-efficiency DC Fan Motor

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



6 Fan Speed

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



Self-cleaning Function

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

Model			AVS-05 HJDTD	AVS-07 HJDTD	AVS-09 HJDTD	AVS-12 HJDTD	AVS-15 HJDTD	AVS-19 HJDTD	AVS-24 HJDTD	AVS-28 HJDTD
Power Supply			AC 1Φ, 220V~240V/50Hz/60Hz							
Capacity	Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.4
		Btu/h	5,800	7,500	9,600	12,300	15,400	19,100	24,200	28,700
	Heating	kW	2.0	2.5	3.3	4.0	5.0	6.3	8.0	8.4
		Btu/h	6,500	8,500	11,300	13,700	17,100	21,500	27,300	28,700
Power Input	Cooling	W	20	20	20	30	20	30	50	80
	Heating	W	20	20	20	30	30	30	70	80
Sound Pressure		dB(A)	33/32/32/ 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		m^3/min	8.7/8.3/8.2/ 7.5/7.2/7.0	9.8/9.2/8.7/ 8.2/7.5/7.0	9.8/9.2/8.7/ 8.2/7.5/7.0	10.3/9.2/8.7/ 8.2/7.5/7.0	11.5/11.0/10.3/ 9.0/8.7/8.0	16.2/15.0/14.2/ 13.3/12.2/11.5	20.0/18.0/17.0/ 15.0/13.3/11.7	23.3/22.0/20.0/ 17.0/14.2/12.2
Panel Colour		–	White							
Piping	Connection Type	–	Flare-nut Connection(with Flare Nuts)							
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8
	Gas	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ15.88	Φ15.88	Φ15.88
		inch	3/8	3/8	3/8	3/8	1/2	5/8	5/8	5/8
	Condensate Drain	–	O.D. 22							
Weight	Net Weight	kg	9.5	9.5	9.5	9.5	13.0	14.4	14.4	14.4
	Gross Weight	kg	13.4	13.4	13.4	13.4	17.8	19.4	19.4	19.4
Demensions	External Dimension	H mm	270	270	270	270	315	315	315	315
		W mm	845	845	845	845	960	1120	1120	1120
		D mm	203	203	203	203	230	230	230	230
	Packaging Dimension	H mm	375	375	375	375	430	430	430	430
		W mm	943	943	943	943	1058	1223	1223	1223
		D mm	310	310	310	310	328	328	328	328

Notes:

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

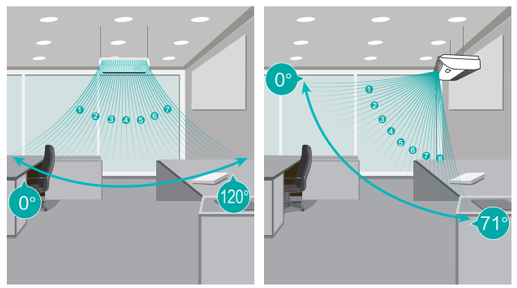
Ceiling & Floor

Sleek Design

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

Wide Air Supply

Louvers are consist of horizontal and vertical slats to cover larger coverage area to every corner. Wider opening angle from up to 120° for vertical louvers and up to 71° for horizontal louvers supplies air further and lower down to floor.



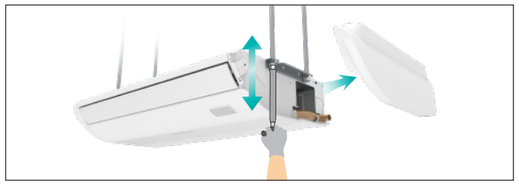
Flexible Installation

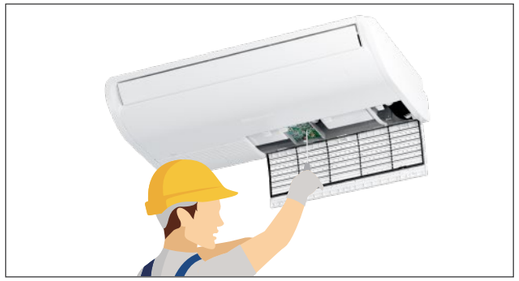
The unit can be installed either on the floor or mounted on the ceiling.

Hanging on the wall Standing on the floor

Convenient Installation and Maintenance

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





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		–	Neture White							
Piping	Connection Type	–	Flare-nut Connection (with Flare Nuts)							
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53	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
	Packaging	H mm	340	340	340	340	340	340	340	340
		W mm	1110	1110	1110	1110	1400	1400	1400	1690
		D mm	830	830	830	830	830	830	830	830

Notes:

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

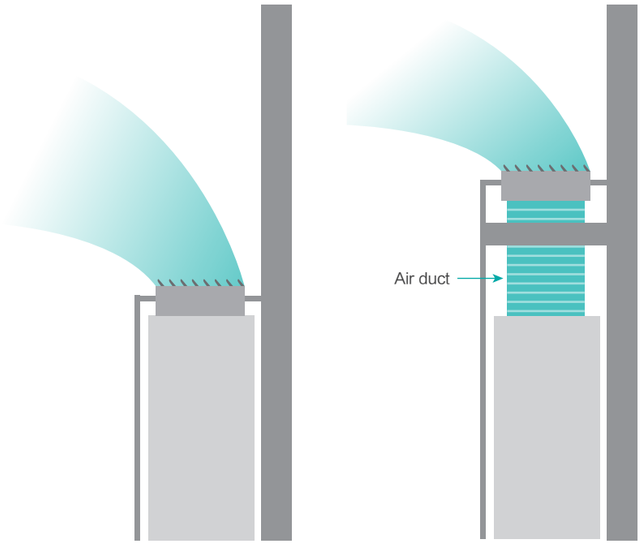
Floor Concealed

Space Saving

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

Adjustable Static Pressure and Flexible Installation

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



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

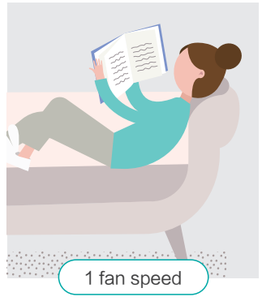
Notes:

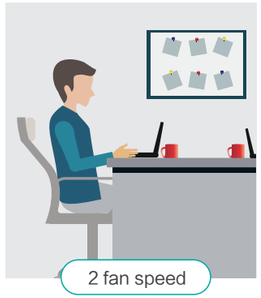
1. The nominal cooling capacity and heating capacity are based on the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27℃ DB (80°F DB), 19.0℃ WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB (95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
   Heating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

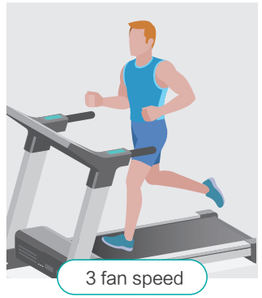
All Fresh Air Indoor Unit

Multiple Fan Speeds

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

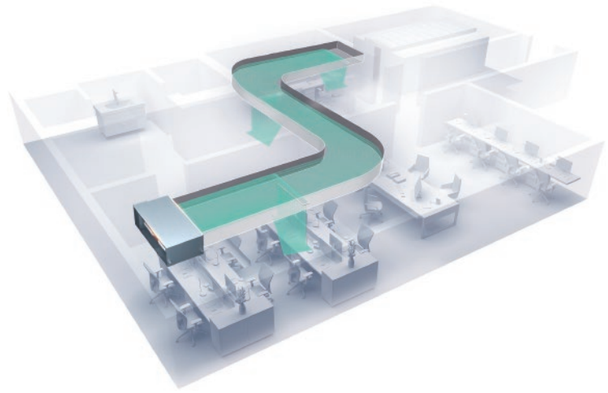






Adjustable Static Pressure

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

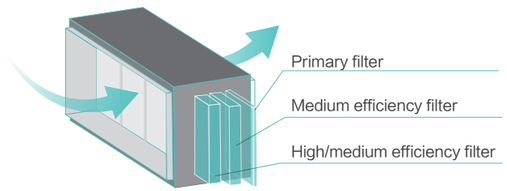


Self-cleaning Function

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

PM2.5 Filter Box

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



Model			AVA-48HJFDL-108	AVA-76HJFDL-168	AVA-96HJFDL-210	AVA-114HJFDL-300
Power Supply			AC 1Φ,220V~240V/50Hz/60Hz			
Capacity	Cooling	kW	14.0	22.4	28.0	33.5
		Btu/h	47,800	76,500	95,600	114,400
	Heating	kW	13.7	21.9	24.5	26.4
		Btu/h	46,800	74,800	83,600	90,100
Power Input	Cooling	W	190	311	421	721
	Heating	W	190	311	421	721
Sound Pressure		dB(A)	42	46	48	49
Airflow Rate		m^3/min	18.0/15.6/13.3	28.0/23.2/18.3	35.0/31.7/26.7	50.0/41.7/33.3
External Static Pressure		Pa	150(150-200-250)	150(150-200-250)	150(150-200-250)	150(150-220-300)
Piping	Connection Type		Flare-Nut Connection (with Flare Nuts)	Brazing		
	Liquid	mm	Φ9.53	Φ9.53	Φ9.53	Φ12.70
		inch	3/8	3/8	3/8	1/2
	Gas	mm	Φ15.88	Φ19.05	Φ22.20	Φ25.40
		inch	5/8	3/4	7/8	1
	Condensate Drain	mm	VP25			
Weight	Net Weight	kg	56	107	108	108
	Gross Weight	kg	62	124	125	125
Dimensions	External	H mm	320	484	484	484
		W mm	790	1072	1072	1072
		D mm	1420	1269	1269	1269
	Packaging	H mm	420	1213	1213	1213
		W mm	1650	1450	1450	1450
		D mm	955	530	530	530

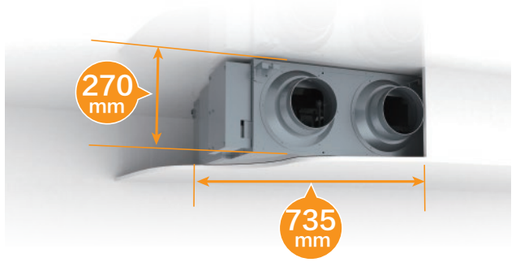
Notes:

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

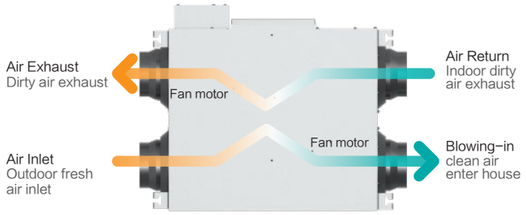
Heat Recovery Ventilator

Compact Body, Convenient Installation

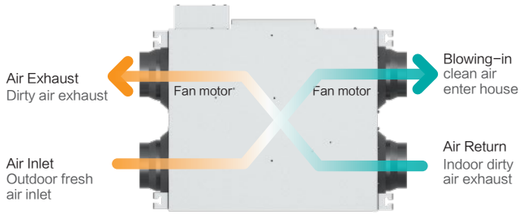
Its compact design facilitates easy installation in narrow ceil-ings. With a width of only 735mm, the unit (HKF/50C1EC) is perfect for the tight ceiling spaces.



Airflow System



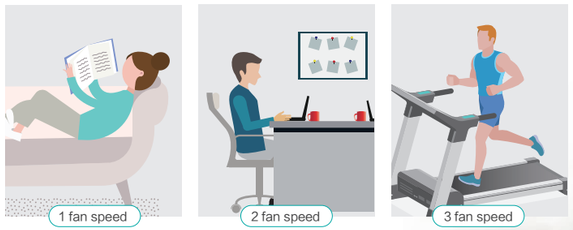
HKF-80~100C1EC

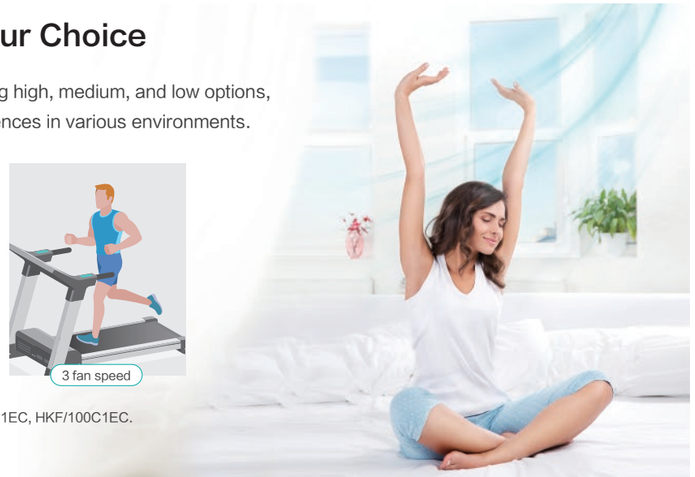


HKF-50C1EC, HKF-150~300C1EE

3-level Fan Speed for Your Choice

The three-level fan speed adjustment, offering high, medium, and low options, provides flexibility to cater to individual preferences in various environments.





*This feature is available for the unit HKF/50C1EC, HKF/80C1EC, HKF/100C1EC.

Low Noise

The unit features a low-noise fan, optimal internal silencer, and air channels, significantly reducing operation noise to 26.5dB(A)*. Additionally, a static pressure adjustment plate on the exhaust side optimizes outdoor static pressure, further minimizing the noise.

* The noise level under the low airflow speed for the unit HKF/50C1EC can achieve 26.5dB(A).

Centralized Control System

Intelligent Control

The unit can be easily connected to the central control system through the dedicated converter* , enabling centralized control alongside the air-conditioning system.

* For central control requirements, please contact our technical engineers regarding the converter.

Features

- Large LED screen display
- Fan speed setting
- Temp. and fan speed display
- Timer

- Fan adjust
- Function
- ON/OFF
- Mode setting

Wired Controller HYXE-KC01

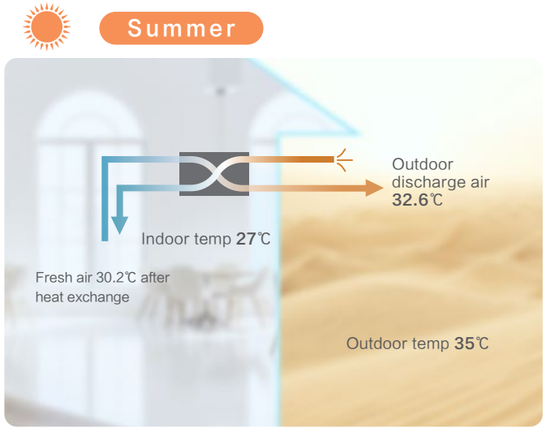
High-efficiency Heat-exchange Core

The hexagonal high-efficiency counterflow heat exchanger core adopts ultra-thin high-performance heat transfer membrane and an integrated optimized flow channel, which extends the time of the heat exchange, thereby improving the heat exchange efficiency. It effectively processes the temperature and humidity of the outdoor fresh air to a level close to the indoor air condition, thereby reducing air conditioning energy consumption.

Note: The unit HKF/50C1EC is equipped with a hexagonal heat exchanger.

Energy Saving Analysis

During the summer, the indoor air at 27℃ is exhausted and passes through the heat exchanger core. This process precools the outdoor air from 35℃ to 30.2℃, which is then introduced into the indoor space as fresh air, as shown in the diagram. The air conditioning system only needs to further cool this air by 3.2℃ to maintain a comfortable indoor temperature. Taking the HKF-50C1EC as an example, the air flow is 500m³/h, heat recovery efficiency is 60%, and enthalpy exchange efficiency is 63%.



Inlet fresh air

	HRV	Fan
Dry bulb temp.	30.2	35
Wet bulb temp.	22.9	28
Moisture content	14.7	21.1
Relative humidity	54.5	59.1
Enthalpy	68	89.4
Cooling recovery	1.76	0
Heat load	2.8	2.8

Air conditioning — Indoor air

Dry bulb temp.	27
Moisture content	19.5
Relative humidity	49.8
Enthalpy	55.5

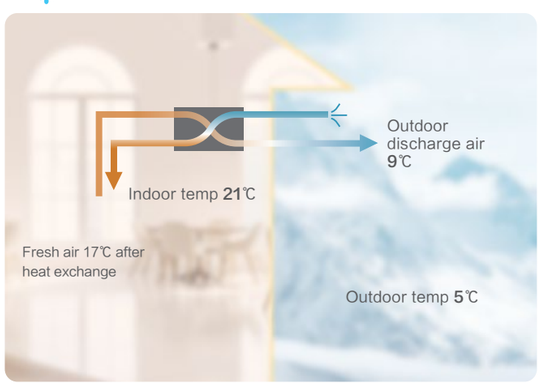
Outdoor Air

Dry bulb temp.	35
Wet bulb temp.	28
Relative humidity	59.1
Enthalpy	89.4

Exhause air

HRV VS Traditional Fan

During the winter, the indoor air at 21℃ is exhausted and passes through the heat exchanger core. This process preheats the outdoor air from 5℃ to 17℃, which is then introduced into the indoor space as fresh air, as shown in the diagram. The air conditioning system only needs to further heat this air by 4℃ to maintain a comfortable indoor temperature. Taking the HKF-50C1EC as an example, the air flow is 500m³/h, heat recovery efficiency is 80%, and enthalpy exchange efficiency is 70%.



Inlet

	HRV	Fan
Dry bulb temp.	17.8	5
Wet bulb temp.	10.16	2
Moisture content	4.5	6
Relative humidity	36	58.5
Enthalpy	29.4	12.9
Heating recovery	1.4	0
Heat load	2	2

Air conditioning — Indoor air

Dry bulb temp.	21
Moisture content	13
Relative humidity	39.2
Enthalpy	36.5

Outdoor Air

Dry bulb temp.	5
Wet bulb temp.	2
Relative humidity	58.5
Enthalpy	12.9

Exhause air

HRV VS Traditional Fan

800~1000m³/h

1500~2000m³/h

2500~3000m³/h

Model (HKF/*)				50C1EC	80C1EC	100C1EC	150C1EE	200C1EE	250C1EE	300C1EE
Power Supply				AC 1Φ, 220V/50Hz			AC 3Φ, 380V/50Hz			
Air Flow		High	m³/h	500	800	1000	1500	2000	2500	3000
		Medium	m³/h	300	600	750	—	—	—	—
		Low	m³/h	180	400	500	—	—	—	—
ESP	Fresh Air Static Pressure	High	Pa	80	130	165	180	160	180	200
		Medium	Pa	70	100	120	—	—	—	—
		Low	Pa	40	80	60	—	—	—	—
	Exhaust Air Static Pressure	High	Pa	80	130	165	180	160	180	200
		Medium	Pa	70	100	120	—	—	—	—
		Low	Pa	40	80	60	—	—	—	—
	Fresh Air Available Pressure	High	Pa	80	130	165	180	160	200	228
		Medium	Pa	70	100	120	—	—	—	—
		Low	Pa	40	80	60	—	—	—	—
	Exhaust Air Available Pressure	High	Pa	80	130	165	180	160	200	228
		Medium	Pa	70	100	120	—	—	—	—
		Low	Pa	40	80	60	—	—	—	—
Sound Pressure Level		High	dB(A)	38.5	40	43	46	47	51	52
		Medium	dB(A)	33.5	38	41	—	—	—	—
		Low	dB(A)	26.5	34	38	—	—	—	—
Enthalpy Exchange Efficiency	Cooling	High	%	63	57	57	56	56	56	57
		Medium	%	63	57	57	—	—	—	—
		Low	%	65	59	58	—	—	—	—
	Heating	High	%	69	66	66	65	65	64	63
		Medium	%	69	66	66	—	—	—	—
		Low	%	71	68	68	—	—	—	—
Heat Exchange System			–	Air-to-air cross flow heat recovery (sensible heat + potential heat)						
Heat Exchange Part				Ventilation high efficiency all-in-one heat exchange core						
Operation Current		High	A	1.42	2.02	4.88	2.13	2.59	2.92	4.7
		Medium	A	0.95	1.88	4.3	—	—	—	—
		Low	A	0.67	1.72	3.47	—	—	—	—
Input Power		High	W	313	422	1020	1050	1550	1440	2320
		Medium	W	204	392	900	—	—	—	—
		Low	W	140	360	726	—	—	—	—
Net Size (L × H × W)			mm	1112 × 270 × 735	1115 × 390 × 1135	1115 × 390 × 1135	1500 × 540 × 1200	1550 × 540 × 1400	1610x600x1330	1700 × 640 × 1500
Package Size (L × H × W)			mm	1220 × 380 × 1060	1330 × 545 × 1210	1330 × 545 × 1210	1660 × 690 × 1345	1710 × 710 × 1545	1770 × 765 × 1470	1790 × 818 × 1590
Flange Dimensions	Air Inlet		mm	Φ194	Φ242	Φ242	320 × 300	320 × 300	365 × 275	365 × 275
	Air Outlet		mm				320 × 300	320 × 300	500 × 350	500 × 350
Net Weight			kg	52	72	79	126	172	185	222
Gross Weight			kg	61	93	92	149	177	189	240
Operation Range			–	-10 ~ 52℃(DB), 85%RH or lower						

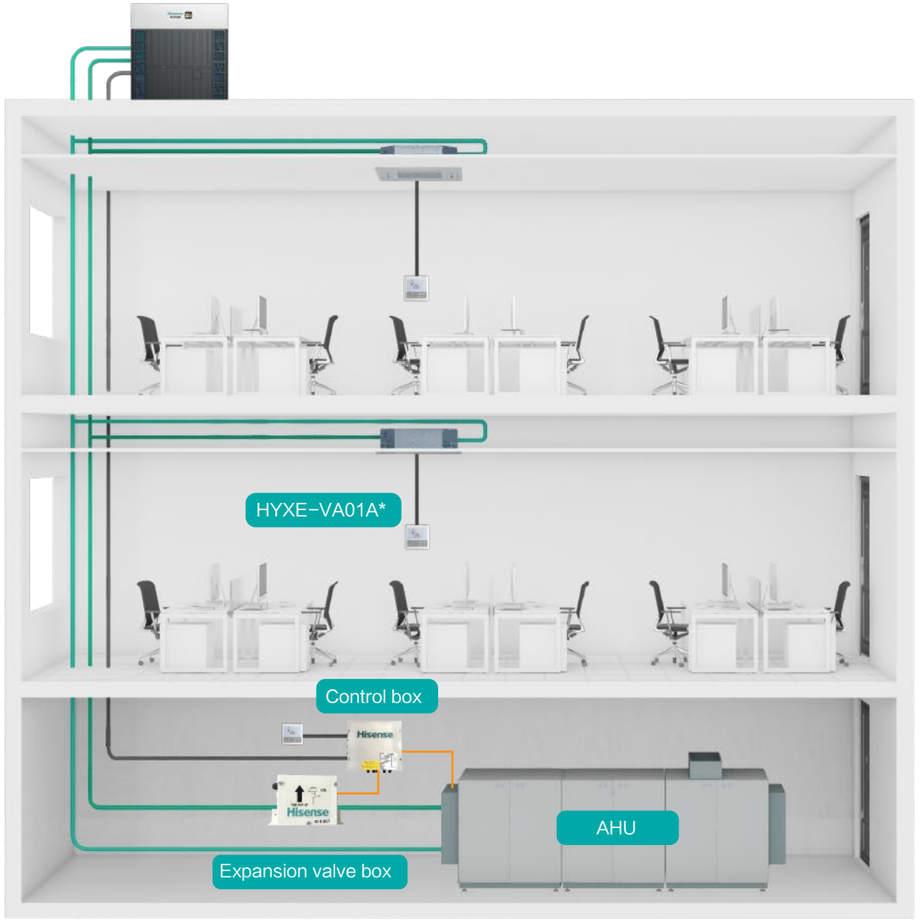
AHU Connection KIT

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

Main Function

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

Communication wire — Sensor signal — Refrigerant pipe



*The wired controller HYXE-VA01A is standard.

AHU Connection KIT

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

Capacity Control Mode	Set Temperature by Remote Controller	Set ODU Capacity Range
Inlet Air (room air) Temperature Control	Cooling: 16~32 ℃ Heating: 16~32 ℃	–
Outlet Air Temperature Control		
Duty Signal Control (0~10V or 0~5V or 4~20mA)	–	15%~100%

AHU Connection KIT			HZX-2 BEJ	HZX-4 BEJ	HZX-6 BEJ	HZX-10 BEJ		HZX-20 BEJ					HZX-30 BEJ				
Power Supply			AC 1Φ, 220V~240V/50Hz/60Hz														
Nominal Capacity of AHU		kBtu/h	19	36	54	76	96	114	132	154	170	190	212	232	250	272	287
Allowed Heat Exchanger Capacity (H/M/L)	Cooling	kW	5.6	11.2	16.0	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	69.0	73.0	80.0	85.0
		kW	5.0	9.0	14.0	20.0	25.0	30.0	35.0	43.0	48.0	52.0	58.0	65.0	71.0	76.0	82.0
		kW	4.0	7.1	11.2	16.0	20.0	28.0	33.5	40.0	45.0	50.0	56.0	61.5	69.0	73.0	80.0
	Heating	kW	7.1	12.5	18.0	25.0	31.5	37.5	45.0	50.0	56.0	63.0	69.0	77.5	82.5	90.0	95.0
		kW	5.6	10.0	16.0	22.4	28.0	33.5	40.0	47.5	53.0	60.0	66.0	75.0	79.0	86.0	92.0
		kW	4.5	8.0	12.5	17.9	22.4	31.5	37.5	45.0	50.0	56.0	63.0	69.0	77.5	82.5	90.0
Heat Exchanger Volume	Min	dm^3	0.57	1.03	1.92	2.92	3.89	4.76	5.85	6.79	7.57	8.47	9.04	9.50	10.39	11.39	12.36
	Max	dm^3	1.16	2.37	2.92	3.89	4.76	5.91	6.89	8.00	8.92	9.97	11.13	12.34	12.89	13.86	14.73
Equivalent Indoor Unit Capacity		kBtu/h	19	36	54	76	96	114	132	154	170	190	212	232	250	272	287
Net Weight		kg	7.1	7.1				7.2					9.2				
Gross Weight		kg	11.7	11.8				11.9					15.4				
Package Dimension (H×W×D)		mm	350×510×450										460×510×450				
Control Box	Model		HZX-BEJ/1														
	Outer Dimension(H×W×D)		112×419×349														
Expansion Valve Box	Model		HZX-2 BEJ/2	HZX-4 BEJ/2	HZX-6 BEJ/2	HZX-10 BEJ/2		HZX-20 BEJ/2					HZX-20 BEJ/2 (2 sets)				
	Outer Dimension(H×W×D)		61×437×166										61×437×166(2 sets)				

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 SYSTEMS

Overview

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

Remarks: Available: ● Unavailable: ×

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

Type		Receiver Kit				Centralized Controller	ON/OFF
Model		HYRE-V02H	HYRE-Z01H	HYRE-T03H	HYRE-X01H	HYJM-RA10D	HYJ-J01H
Picture							
Indoor Unit	4-Way Cassette	×	×	○	×	○	○
	Mini 4-Way Cassette	×	○	×	×	○	○
	1-Way Cassette	×	×	×	○	○	○
	2-Way Cassette	○	×	×	×	○	○
	Ceiling Ducted (AC/DC)	○	×	×	×	○	○
	Ceiling Ducted (High/Low)	○	×	×	×	○	○
	Console	○	×	×	×	○	○
	Wall Mounted	○	×	×	×	○	○
	Ceiling & Floor	○	×	×	×	○	○
	Floor Concealed	○	×	×	×	○	○
	All Fresh Air	○	×	×	×	○	○
	Heat Recovery Ventilator	×	×	×	×	○	○

Remarks: Standard: ● Optional: ○ Incompatible: ×

Individual Control

Wired Controller

HYXE-VC01

Mode	Cool/Heat/Auto/Fan/Dry
Timer	24-hour timer
Maintenance	Error code/Parameter check/Auto test run/ 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

HYXM-VG01

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	•
Built-in receiver kit	•

Features

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

HYXE-VA01A

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

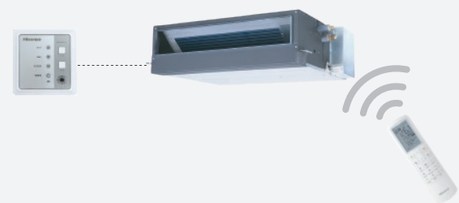
- Size: 178.6mm × 47.8mm
- LCD display with back light

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

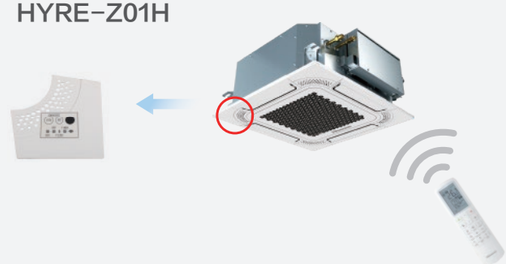
Receiver Kit for Wireless Control-Optional

HYRE-X01H

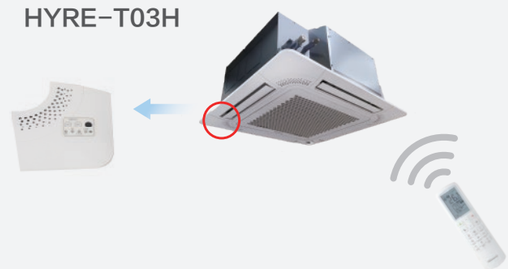
HYRE-V02H



HYRE-Z01H



HYRE-T03H



Centralized Control

Smart Touch II
HYJM-RA10D

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

Features

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

Energy Management

Visualized energy management is available through the Smart Touch II, enabling quick access to electricity consumption data and analysis. Utilizing big data analytics.

Access Remotely with Ease

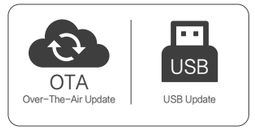
Users have the flexibility to control the air-conditioning system using either the local Smart Touch II or remote web access.

Free Connection

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

Future-proof

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



Ideal for:

Offices, Schools, Factories, Hospitals, Hotels, Restaurants

ON/OFF Controller
HYJ-J01H

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

Hi-Cloud Manager

Hisense Intelligent Control Solution

Intelligent Control

What is Hi-Cloud Manager?

Hi-Cloud Manager is the unified access management of Hisense HVAC intelligent control. Users can log in the control web at anytime and anywhere.
Five "Clouds" are embed in the web interface including Hi-Mit Cloud, Smart Touch Cloud, Hi-Dom Cloud, Hi-Checker Cloud, and Distributor Cloud (specially for distrubutors).

Features:

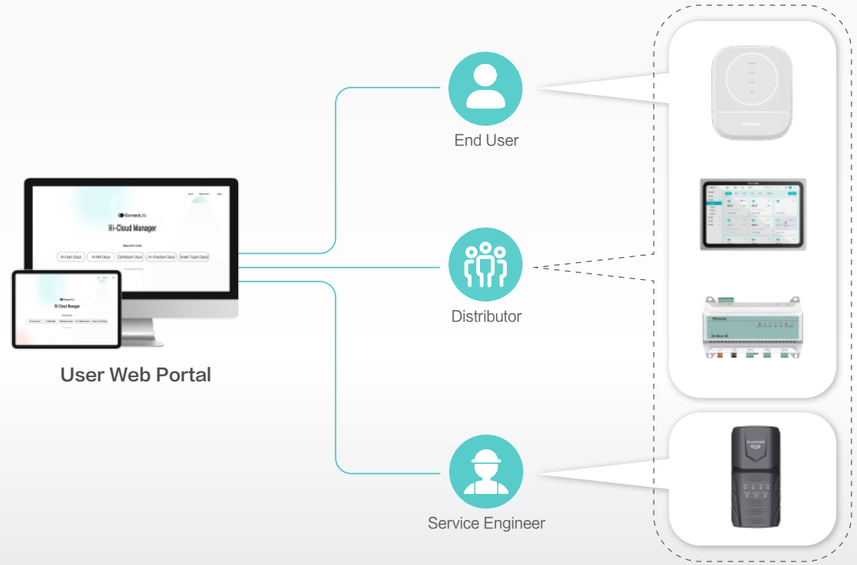
- Centralized remote control
- Overview of key data
- Operation statistics
- Global project map
- Project management
- Regional plane navigation
- Schedule management
- Energy conservation management
- Alarm and message management

URL https://hicloudmanager.hijuconn.com

It's recommended to use the Chrome browser.

Users-friendly

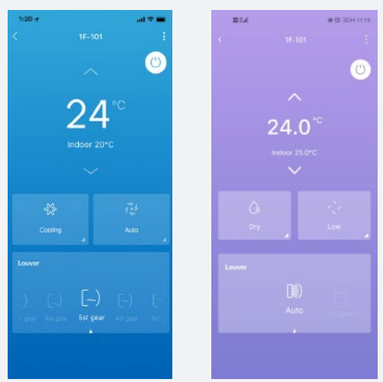
- **End user**
  Create a customized and smart experience.
- **Distributor**
  Upgrade service capabilities for the projects under control.
- **Service engineer**
  Ensure efficient service to improve customers' satification.



Anytime and anywhere, control is in your hands

Brand–new Adapter and App

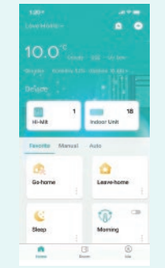
- Stylish appearance and compact body
- Compatible with VRF, hydro box and heat recovery ventilator
- Supporting OTA update
- Simple and intuitive interfaces
- Voice control available



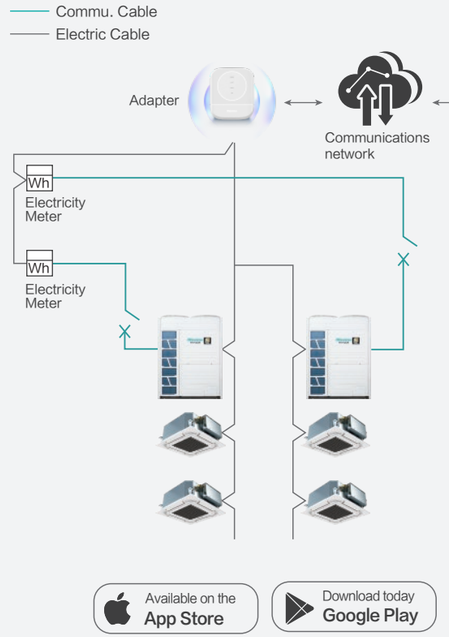
Convenient Control

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

Energy management interface



Customized mode interface



Strong Capability

- Up to 64 IDUs and 64 ODUs can be connected to one Hi–Mit II adapter.
- One user account of APP can control 8 adapters, up to 512 IDUs.

Available on the App Store

Download today Google Play

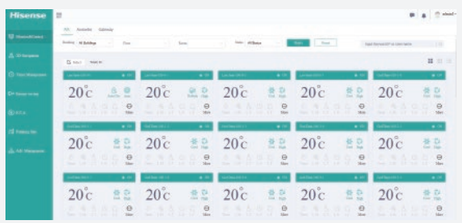
Specifications

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

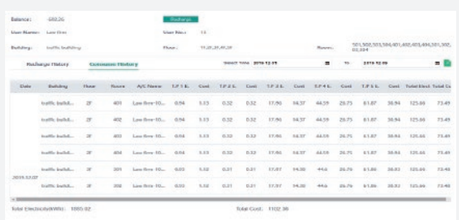
Features

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

- Humanized interaction interface and comfortable user experience.

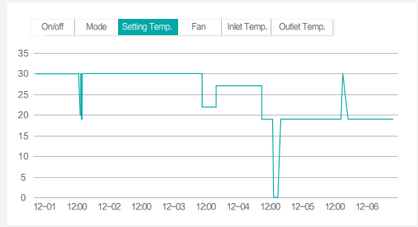


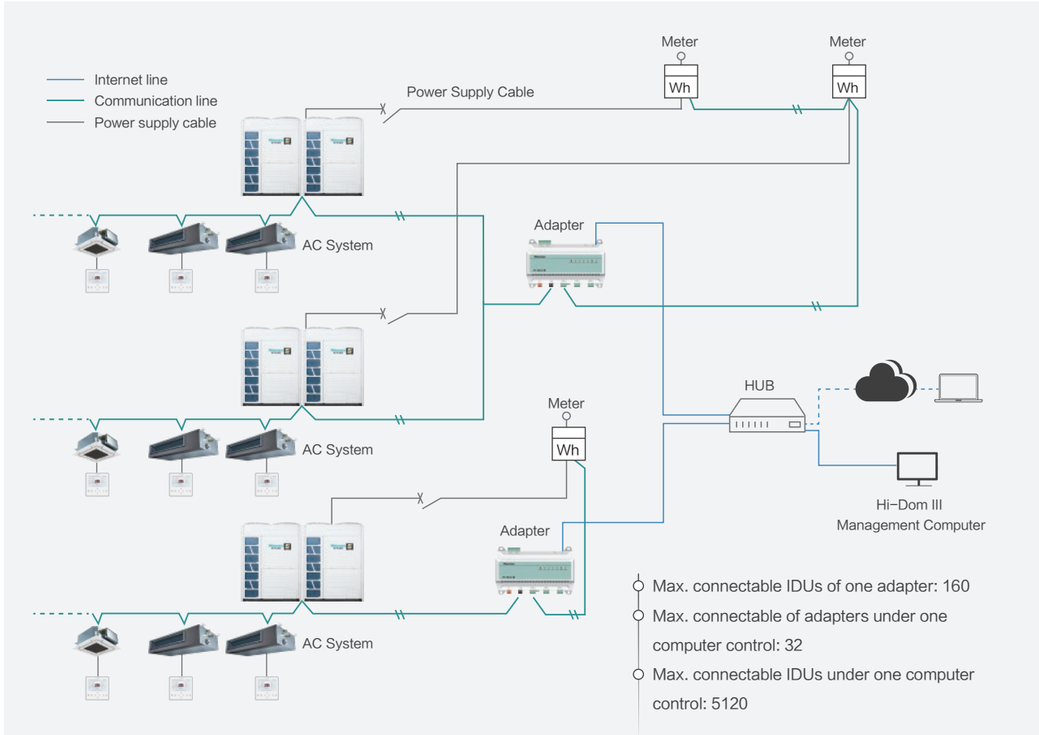
- The electricity consumption allocation makes it easy for users to allocate total electricity consumption among building occupants. Both segmented tariff and single tariff are available.



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

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





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

Specifications

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

Intelligent service tool, improves your service

Hi-Checker is a plug and play service tool, with which service engineers can access the system and monitor operation status or data, very convenient for system communication and maintenance. Besides, it features cloud-based management, easy to access operation status remotely.

- Small and Portable Body
- Remote Access
- Black Box Function
- Powerful Charts
- OTA Update

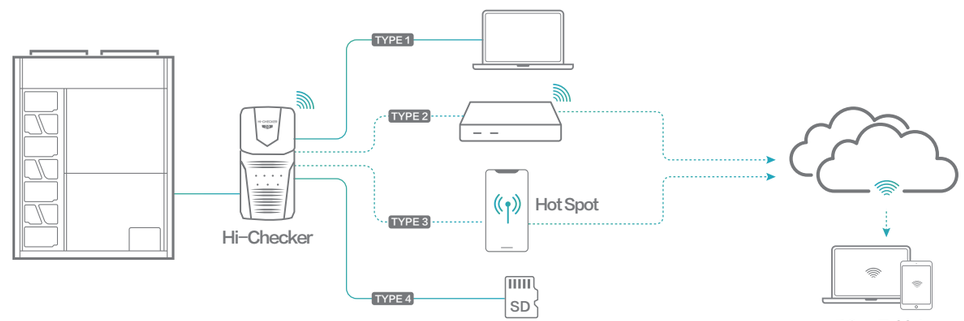
Easy to Use

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

Easy to Access

4 Ways to Access the Operation Data

- Conventional connection type. The simplest and reliable way by just connecting the Hi-Checker to your computer directly through USB.
- Internet connection type. Be connected to a stable Wi-Fi signal to achieve operation data and status monitoring anytime and anywhere.
- Hotspot connection type. Be connected to a temporary hotspot signal from the smartphone, allowing the Hi-Checker to remotely monitor the operation data when there is no stable Wi-Fi signal on site.
- SD card storage type. Hi-Checker equipped with SD card can be connected to the air conditioning system all the time, so that all the operation data can be stored in the card for later analysis.



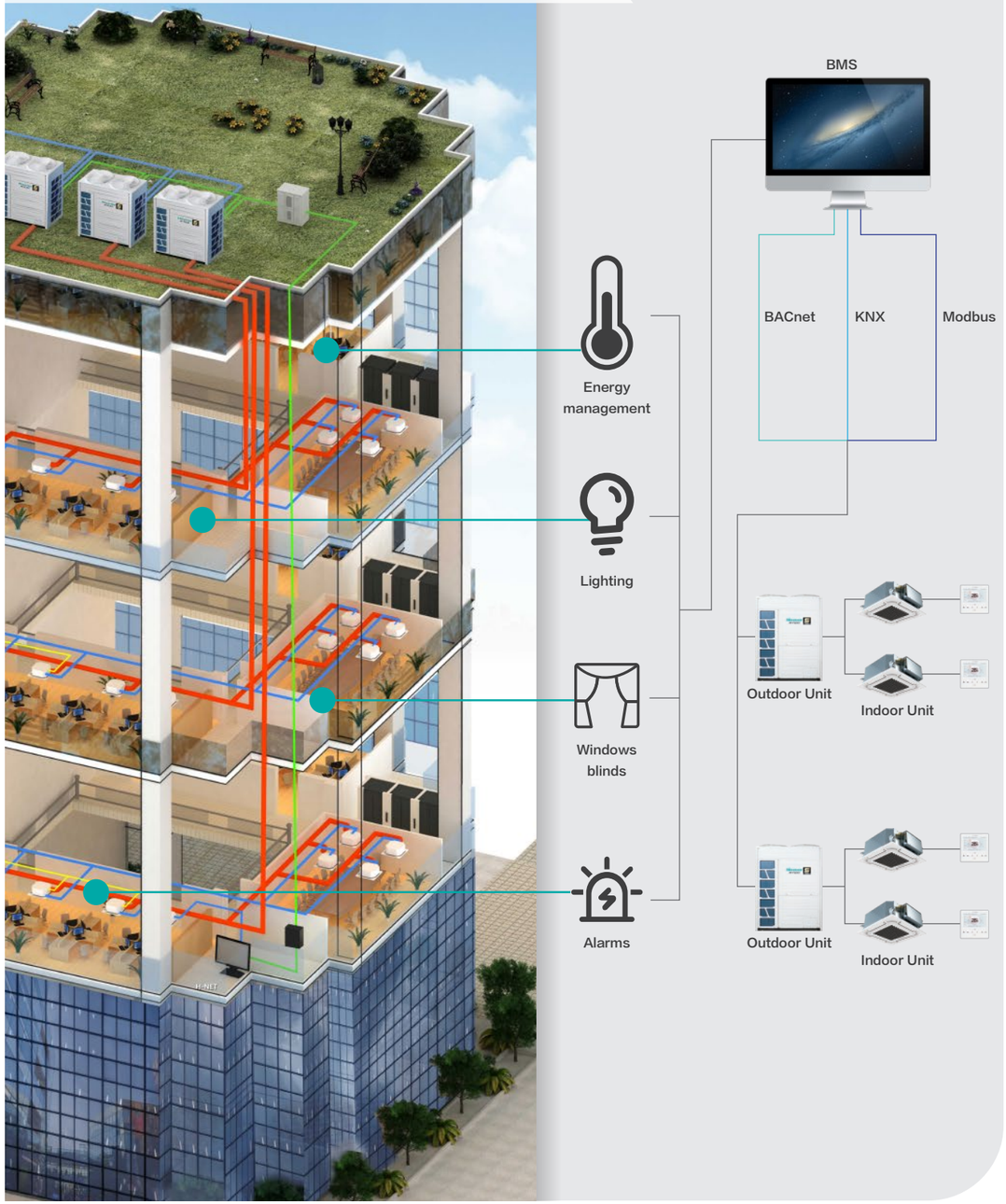
Easy to Understand

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

Specifications

Mode	Size (LxWxH)mm	Net Weight (g)	Power Suppy	Connectable IDUs
HCCS-J64H2C3M	138x68x28	130	5V⎓500mA	160

Building Management System



KNX®

KNX gateway	HS-RC-KNX-1i
Power Supply	DC, 29V
Max. Number of Connectable Indoor Units	1
Dimension (H × W × D)	70 × 70 × 28mm

Features

- Standard data point types
- Error code
- Directly control of all indoor units
- Air filter reminder
- Running hours counter

Modbus®

Modbus gateway	HCPC-H2M4C
Power Supply	DC, 12V
Max. Number of Connectable Indoor Units	160
Dimension (H × W × D)	50 × 170 × 220mm

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
- Humidity control

Mini Modbus®

MiniModbus gateway	HCPC-H2M5C
Power Supply	DC, 12V
Max. Number of Connectable Indoor Units	32
Dimension (H × W × D)	27 × 75 × 100mm

Features

- On-Off Setting
- Temperature Setting (0.5℃ adjustment)
- Airflow Setting (Auto/3 or 6 fan speed)
- Humidification control
- Operating Mode Setting
- Inlet Air Temp. Monitoring
- All Units On/Off Control
- Alarm Monitoring and Code Display

BACnet® & KNX®

BACnet & KNX gateway	HCPC-H1KB16	HCPC-H1KB64
Power Supply	DC, 12~36V / 3W or AC, 24V/0.2A/50-60Hz or DC, 24V(Recommended)	
Max. Number of Connectable Indoor Units	16	64
Dimension (H × W × D)	100x115x100mm	100x115x100mm

Features

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

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

ACCESSORIES

Individual Control

Refrigerant Sensor

Model	Applicable Models	Picture
HOPT-ERD02	R32 refrigerant systems	

Refrigerant Detector

Model	Applicable Models	Picture
HOPT-ERD01	R32 refrigerant systems	

Shut-off Box

Model	Applicable Models	Picture
HESE-2V15	R32 refrigerant systems	

Hi-Motion

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

Motion Sensor

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

Fresh Air Duct Adapter

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

Humidity Sensor

Model	Applicable Models	Picture
HCHR-S01E	4-Way Cassette, Mini 4-Way Cassette Console,Ceiling Ducted	

Filter

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

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

3D Air-flow Panel

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

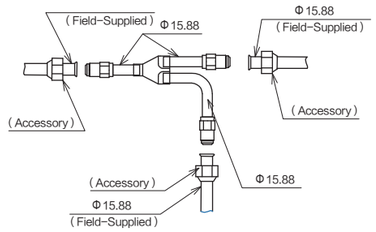
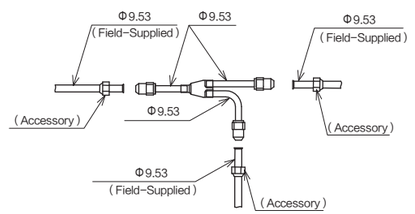
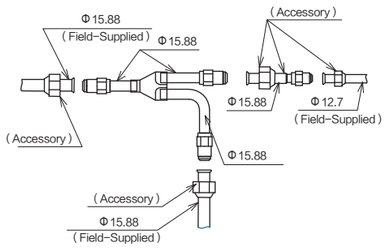
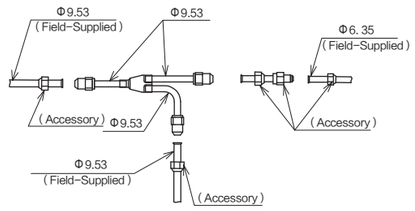
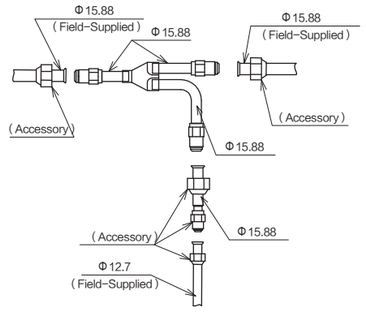
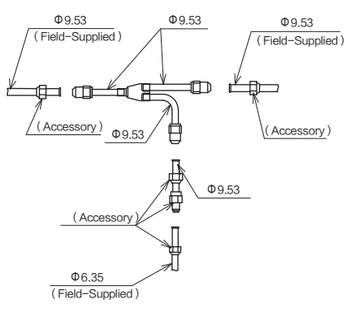
AirPure Kit

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

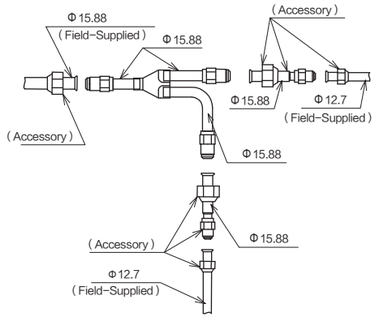
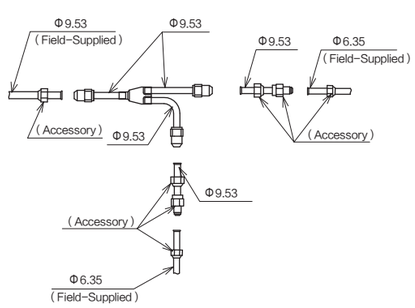
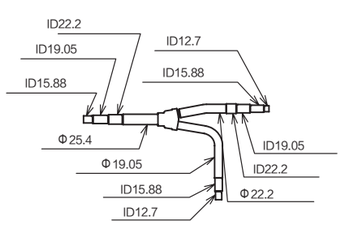
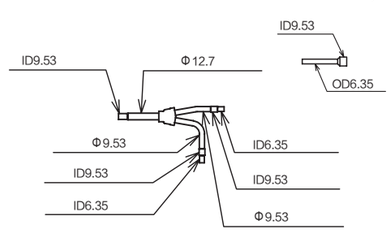
Drain Pump

Model	Applicable Models	Power Supply	Picture		
HPS-F133E	AVD-07~24HJDH / AVD-07~24HCFCH / AVD-07~24HCFCL	220-240V/50Hz	 HPS-F133/363/134/364E	 HPS-F8103E	 HPS-151#E
HPS-F363E	AVD-24HJDH1 / AVD-30~54HJDH / AVD-27~54HCFCH / AVD-27~54HCFCL				
HPS-F134E	AVD-07~24H3FCH	208-230V/60Hz			
HPS-F364E	AVD-27~54H3FCH				
HPS-F8103E	AVD-76/96HJDH	220-240V/50/60Hz			
HPS-151#E	All types of indoor units except wall mounted.	220-240V/50/60Hz			

Branch Pipe

Case	Gas	Liquid
HFQ-052F#EN 1		
HFQ-052F#EN 2		
HFQ-052F#EN 3		

Branch Pipe

Case	Gas	Liquid
HFQ-052F#EN		
HFQ-102F#E		Q'ty : 2 

Note:The fare-nut branch pipe is only suit for outdoor unit with capacity 3~6HP.