Hisense

2017

COMMERCIAL AIR CONDITIONING

GENERAL CATALOGUE

Hisense

to Be with you

Hisense
From Qingdao
China

To Know Hisense

Hisense Group, located in eastern China, is an international comprehensive corporation who wins the 3rd popular TV worldwide and 2nd popular VRF in Chinese market. Since 1969, we always focus on technology, innovation and quality and service. In the coming 2017, with Hisense R&D center, Hisense branch office, Hisense service center, we commit to you the unbreakable product quality, excellent product performance, 24-hour product butler service.

INDUSTRIAL MODULES

GLOBAL NETWORK

SPORTS MARKETING

Official Premium Partner of FC Schalke 04

Title Sponsor of Hisense 300 NASCAR Xfinity Series and Team sponsor of Joe Gibbs Racina

Team Supplier to Red Bull Racing

Official Sponsor of FIFA 2018

Why Choose Hisense VRF?

High Technology and Outstanding Operation Performance
Comprehensive Product Lineup
Modular Combination Design Gives Greater Flexibility
Higher Space Efficiency
Easier Transportation and Installation
Intelligent Control System

What is Hisense VRF

Hisense VRF is produced by Qingdao Hisense Hitachi Air-conditioning Systems Co., Ltd., who is a joint venture between Hisense Group and Hitachi Appliances Inc, for air-conditioning manufacturing, technology development, marketing and service.
The strict quality control system is the trustworthy guarantee of Hisense VRF. From designing, manufacturing to testing, Hisense VRF insists on abiding by the highest standard to keep high quality.

- Computer Simulation Development---The Most Advanced and Engergy Saving Development Mode
- Excellence-led Manufacture Mode---Efficiency and Energy Saving
- Strict Quality Control and Component Test---High Quality, High Efficiency and Low Energy Consumption

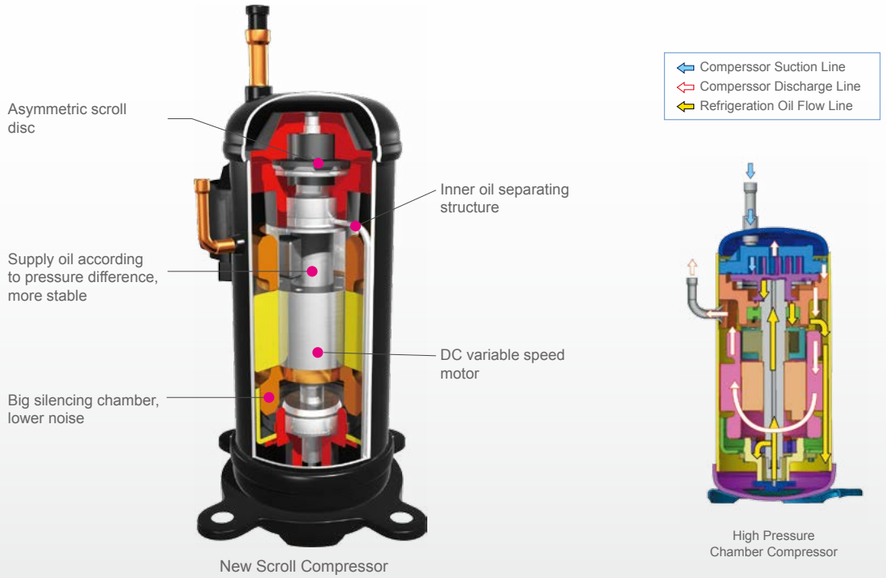
CONTENTS

Core Technology

- High Efficiency Performance
- High Intelligence and Reliable Operation
- High Quality User Experience
- High Flexibility of Installation and Maintenance

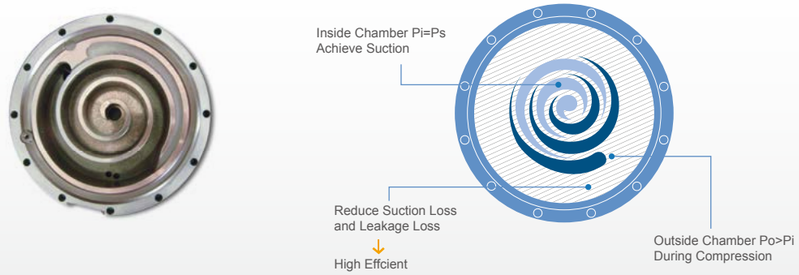
High-pressure-chamber DC Inverter Driven Scroll Compressor

Hisense VRF adopts newest high-pressure-chamber compressor, which provides higher compression ratio, smoother oil supply and lower noise level.



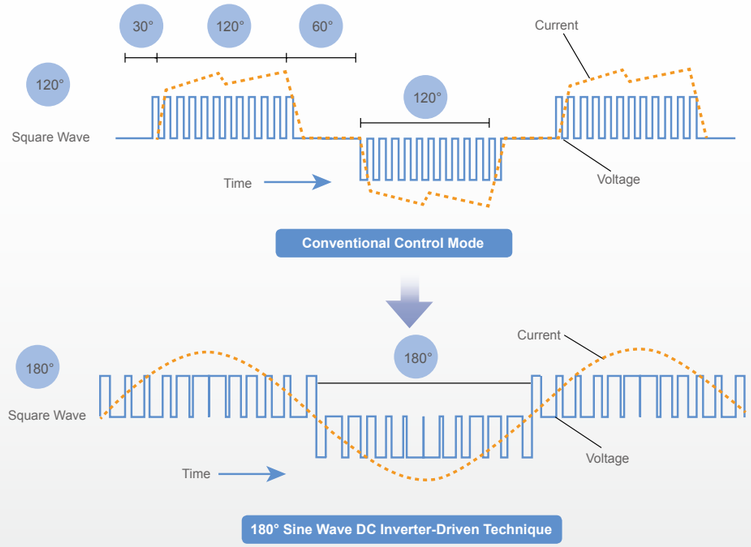
Exclusive Asymmetric Scroll

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



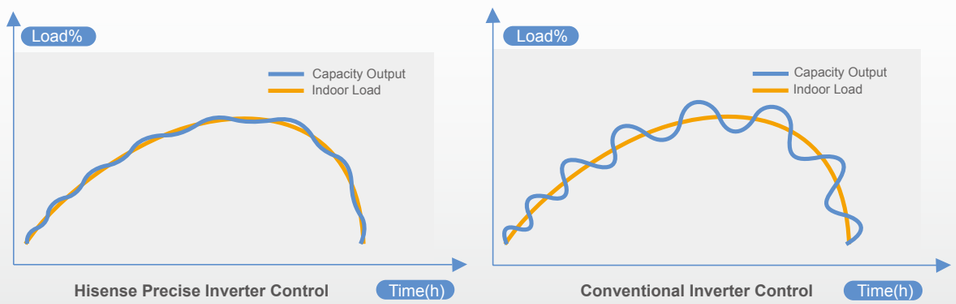
180°Sine Wave DC Inverter-Driven Technique

The 180°sine wave control enables motor to operate smoothly, efficiently, and less noisily.



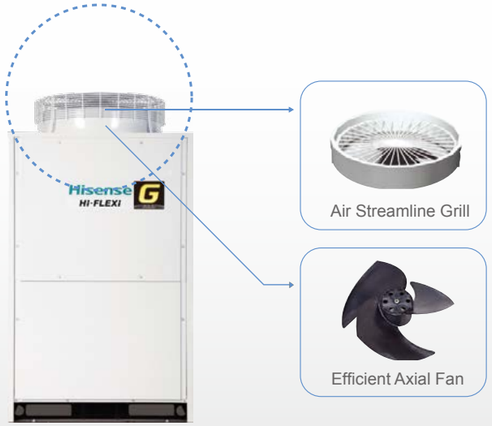
Precise Capacity-output Control

The inverter technique combined with elaborate control algorithm ensures responsive capacity-output adjustment based on real-time indoor load, which reduces temperature fluctuation and provides coziness.

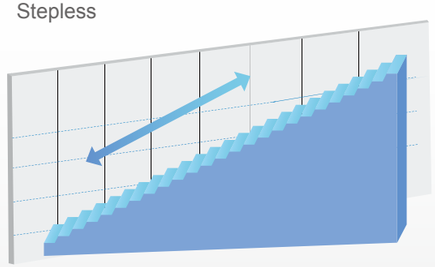


Stepless Fan-speed Control

The BLDC motor equipped in ODU can realize stepless fan-speed adjustment to ensure system efficiency and stability.



Stepless

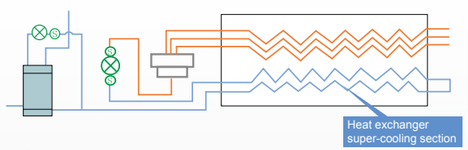


- The stability of discharge pressure and suction pressure of compressor is assured
- The stability of flow (capacity) dynamic allocation of indoor unit is assured
- Quick response of control system is improved, accordingly the system stability, durability and reliability are assured

Two-stage Subcooling

A subcooling section is designed in the heat exchanger of ODU to realize the first-stage subcooling. Furthermore, a high efficient double pipe is applied to achieve the second-stage subcooling. The total subcooling degree is up to 27℃, which improves cooling capacity and increases the total piping length.

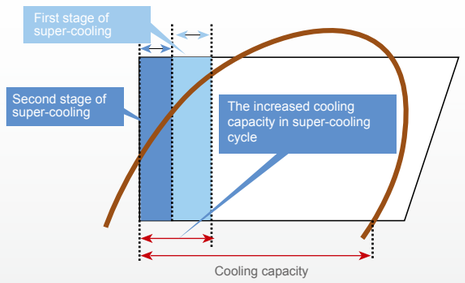
Two-stage super-cooling cycle diagram



Sub-cooler

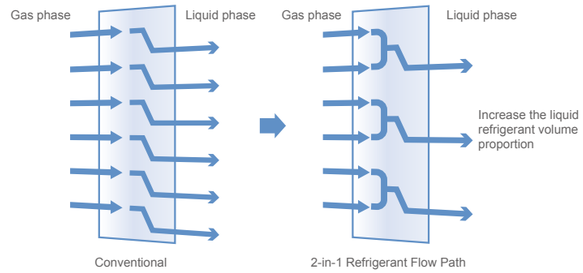
- ○The two-stage super-cooling cycle improves cooling capacity;
- ○The pressure loss of the refrigerant flow in the pipe is reduced
- ○The increased super-cooling degree promotes the stable operation of the electronic expansion valve;
- ○The increased super-cooling degree increases the total piping length.

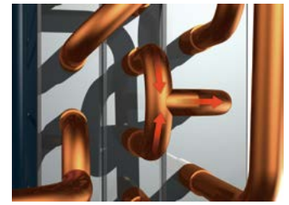
2-stage super-cooling pressure enthalpy diagram



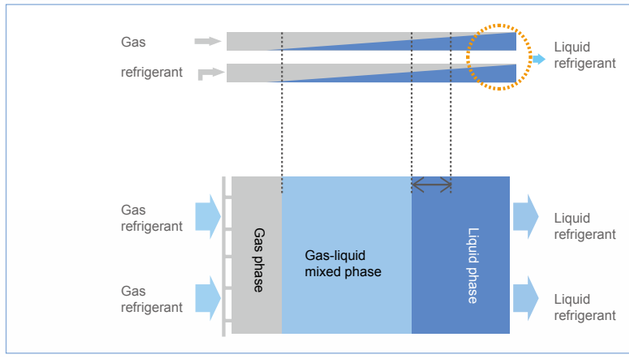
Optimized Refrigerant Circuit

The heat-exchange efficiency is substantially increased due to the specially designed refrigerant flow structure.

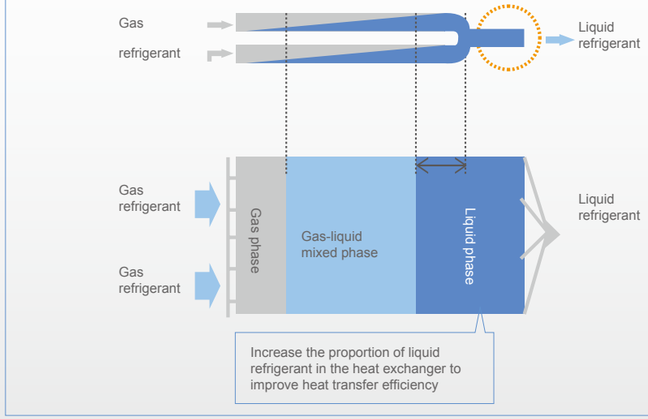




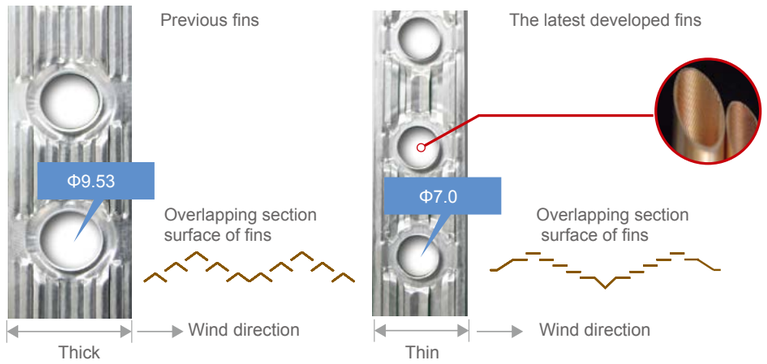
Common refrigerant circuit



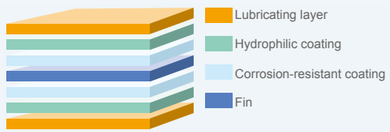
Optimized refrigerant circuit



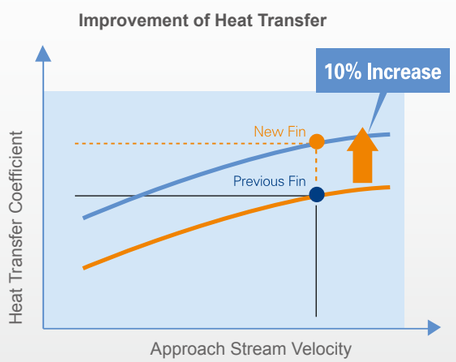
Stepped Fins

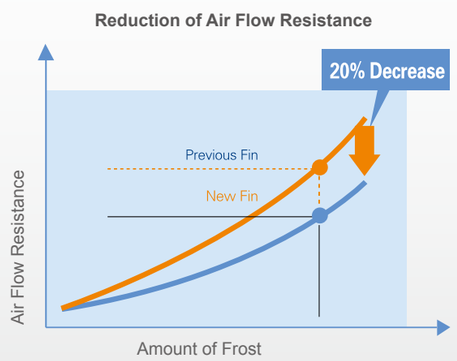


Hierarchical diagram of hydrophilic aluminum foil



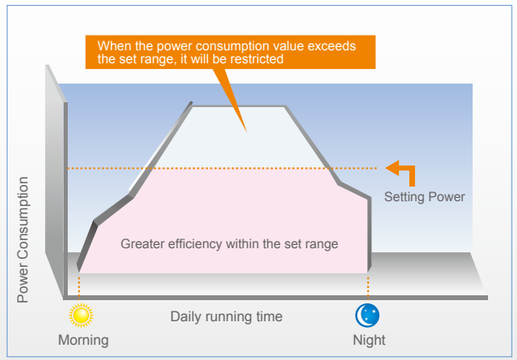
- Not easy to frost in heating mode;
- Slow down the corrosion of heat exchanger by corrosive gases;
- Destroying the surface tension of water droplets accelerates the down flow speed of defrost water or condensate water and improves the air conditioning performance.

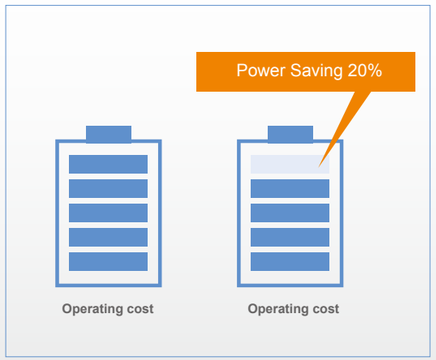




Demand Mode

The intelligent demand mode can adjust the air conditioning operation automatically according to peak-valley requirements of electricity. It achieves balance between comfort and energy-saving while meeting the power demand for daily work.





Smart Capacity Allocation

Generally, VRF system is more efficient under 40%~75% partial load condition. Therefore, we allocate capacity as evenly as possible to achieve maximum efficiency.

Hisense Hi-FIEXi G Series:

The efficiency will be the highest and the power consumption will be lowest when each module unit is working at 40% - 75% partial load.

Traditional product:

In normal operation, the module combination is operated at full load + ultra-low load, which influences the service life of units and consumes more power.

Automatic Restart

The operating data can be recorded in case that power failure occurs. When power resumes, the AC can return to previous setting automatically.

Rotational Operation

Regulating the operation time of each ODU leads to load reduction on compressors, thus, ODU endurance is improved.

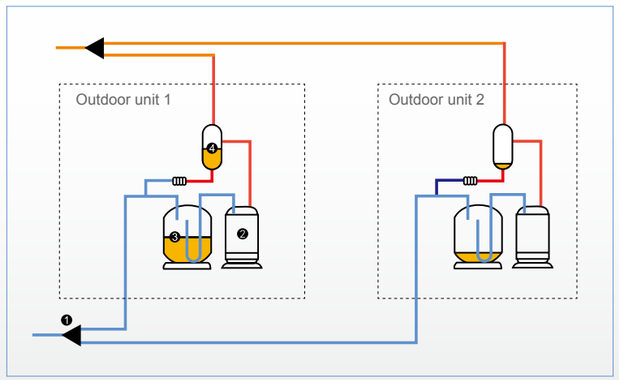
Double Back-up Function

In single module system, one compressor can start to operate when another fails. In module combination, one ODU can start to operate when another fails. Double back-up function ensures reliability and stability of Hisense VRF system.

Oil Return

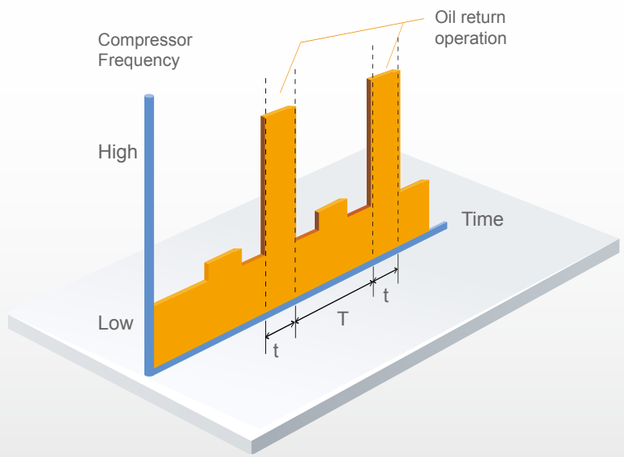
The accumulator adopts porous oil return technology with a built-in fine strainer, which not only ensures oil balance between compressors within one module, but also plays an important role in the oil balance between modules.

Accumulator



Except for this, the system implements oil-return operation based on compressor frequency and corresponding operation time. The oil-return operation takes 60 seconds, and can return to previous operation state when it's done.

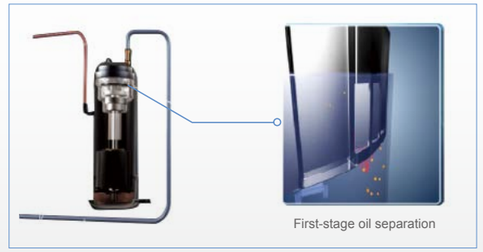
In winter under heating mode, this operation is implemented without changing to cooling, which guarantees heating effect.

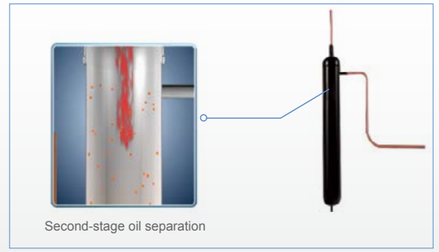


Oil Separation

First-stage oil separation is realized through efficient oil separation structure inside 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 Balance

Through adjusting the amount of discharge oil and return oil in the compressor, accumulator and oil separator, oil balance is perfectly achieved without oil balance pipe. This can avoid fluctuations of system pressure and temperature to ensure stability, and simplify the construction work.

Anti-corrosion

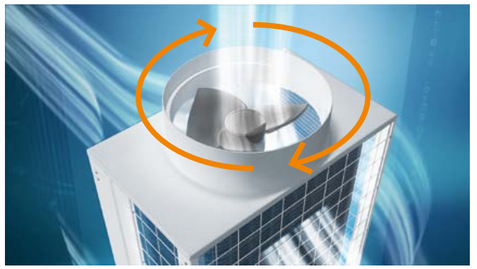
The anti-corrosion treated ODUs have been designed to provide corrosion resistance against acid rain and salt corrosion.

Condensed Water Leakage Protection

Float switch is a standard part in Hisense IDU. To protect the ceiling from getting wet or soaked, the float switch will work to stop IDU when condensed water can't be drained in time because of blockage in the drain pump or drain pump breakdown.

Fan Protection

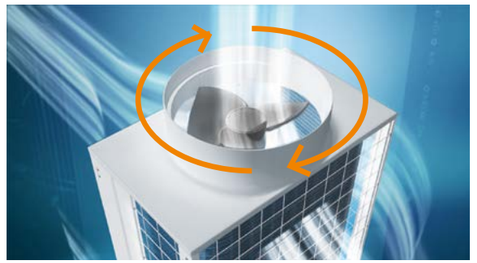
Convention



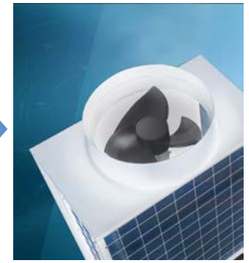
External forces make the fan counter-rotating

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

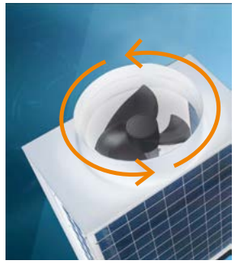
Fan Protection Function



External forces make the fan counter-rotating



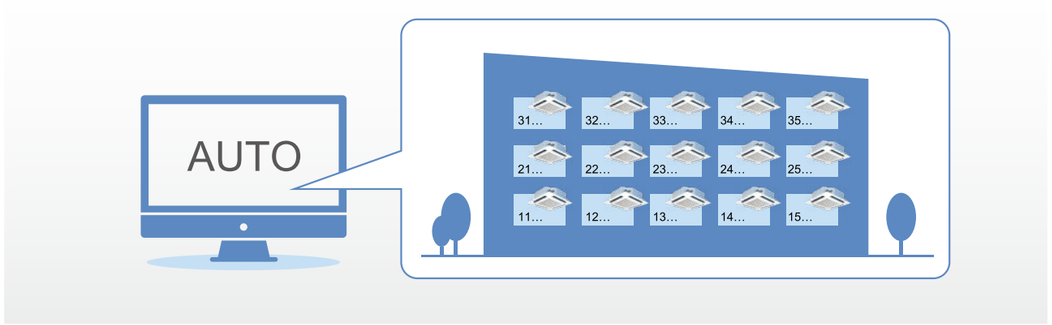
Stop the fan before start the unit



Forward rotation with small starting torque, protect fan blades

Automatic Addressing

Hisense VRF system can assign IDU addresses automatically, which is convenient in the case of large system with a lot of IDUs.



One-touch Test Run

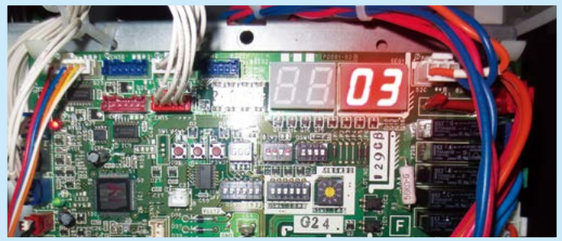
The one-touch test run can be operated at the ODU side as well as the IDU side, which makes it much easier for commissioning.

Realizing test run through the controller at the indoor unit side

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

Convenient Inspection

The 7-segment LED on the ODU makes it easy to monitor and check the details about the operating status such as refrigerant temperature, pressure, compressor frequency, alarm code, etc., which makes both operation management and maintenance more convenient.

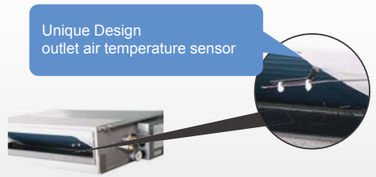


Data Collector

Data collector is designed to quickly and accurately inspect unit operating status.

Precise Temperature Control

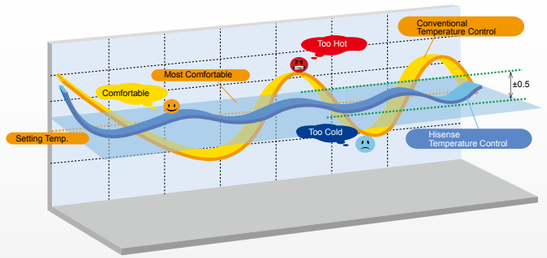
Multiple thermal probes in IDU to provide precise real-time temperature feedback.



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

2000-step Electric Expansion Valve

Room temperature fluctuation within ±0.5 ℃.



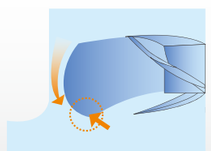
Outdoor Unit Noise Control

First-class scroll compressor ensures minimum vibration and noise.

Aluminum-casted motor with non-resonant hanger structure provides stable motor performance and attenuates vibration noise.

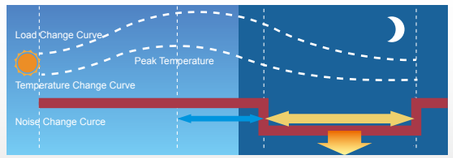
The axial fan is made out of noise–absorbing material, which also has a shape that decreases turbulence around.

New Blade



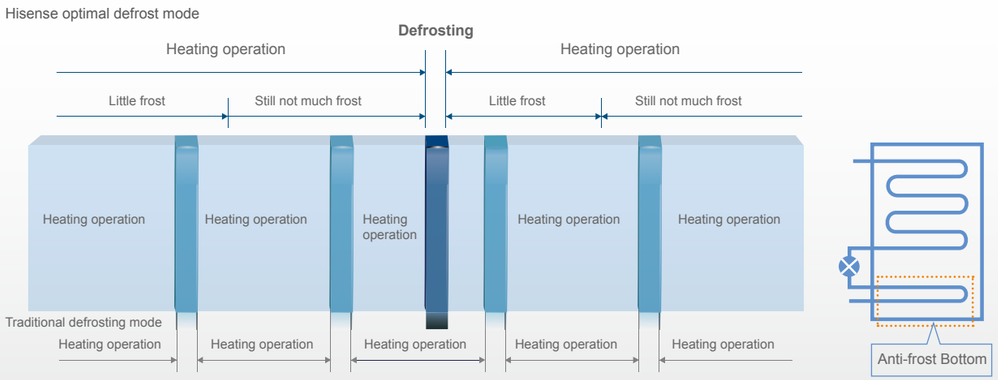
Optimized Radial Airflow Angel

Night-shift function equipped to reduce the noise by up to 15 dB.



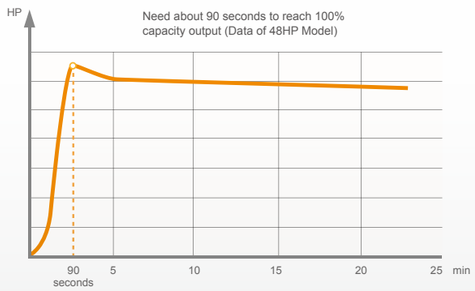
Intelligent Defrosting Mode

The ODU adopts 3 sensors to precisely grasp the defrosting opportunity. Also, it has an anti-frost structure at the bottom, both of which reduces the amount of frost to only 1/3 compared to ordinary defrosting mode.



Rapid Heating Start-up

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



Fresh Air Introduction

Hisense VRF system can introduce outdoor fresh air into indoor space through fresh air equipment such as all fresh air indoor unit and heat recovery ventilator, which constantly supplies fresh air and creates a healthy environment for users.

Environmental Protection

Hisense VRF adopts reliable eco-friendly refrigerant R410A, which is non-toxic to human and does not damage the Earth's ozone layer. Also, we actively respond to Europe RoHS directive, controlling the use of hazardous substance strictly.

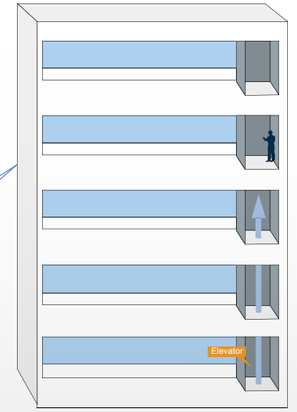
R410A

Environment-friendly Refrigerant

RoHS

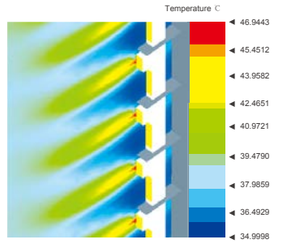
Compact and Light-weight Design

Easy for transportation

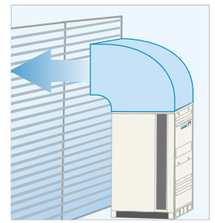


High-rise Buildings Compatibility

By using exhaust duct, short circuit of return air can be avoided with long air exhaust distance, which ensures good ventilation and heat transfer effect of ODU.



Airflow Schematic



Exhaust duct installation

Product Line

- Outdoor Unit
- Air to Water Heat Pump
- Indoor Unit
- Fresh Air Solution

HP	2.5	3	4	5	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
G+ 						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
G 						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
X 						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
M 						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
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MULTI-FUNCTION 			●	●	●															
Hi-AquaSmart 	●	●	●	●	●															

38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
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Hi-FLEXi G+ Series

Hisense G+ series is the latest larger capacity full DC inverter-driven multi-split central air conditioning product. It's focusing on the customers' requirements and comfort, representing Hisense high quality and technology. It's characterized by:

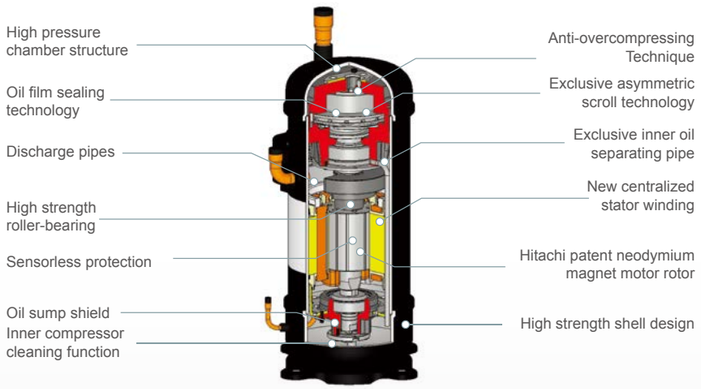
Latest enhanced capacity series:

- Brand new high-pressure chamber scroll compressor
- Integrated high-strength structure and convenient installation
- Adoption of double larger fans and low-pressure loss heat exchanger
- Max.22HP single unit, 4 modules' combination

Upgraded Core Technology

New Hitachi high-pressure chamber scroll compressor, enhancing the efficiency

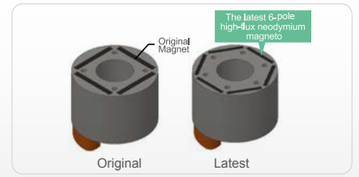
Adoption of the brand new high-pressure chamber scroll compressor realizes high efficiency of motor, optimization of scroll plate and optimum fuel feeding, etc. and increases operation efficiency of compressor under overall operating conditions, especially, enhances intermediate performance greatly.



Motor is the source of power of a compressor. G+ series compressor is equipped with a new DC motor (with centralized winding) which enhances performance of the compressor significantly at a frequency of 20-80Hz that the compressor operates at most frequently.

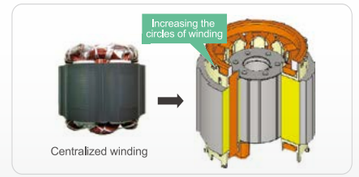
6-pole high-flux neodymium magnetic motor rotor

Motor rotor of the new type compressor uses the latest 6-pole high-flux neodymium magneto structure, rotor shape design is optimized and all rotational speed control is more efficient;



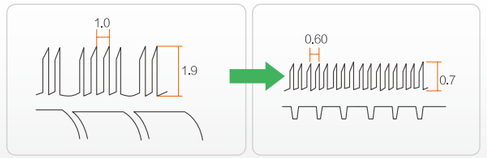
New improved concentrated stator winding

The new type motor stator is equipped with a centralized winding and more turns of windings, sets induced voltage to a higher value (to reduce current) and improves efficiency of motor at low rotational speed.



Improved super-cooling

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

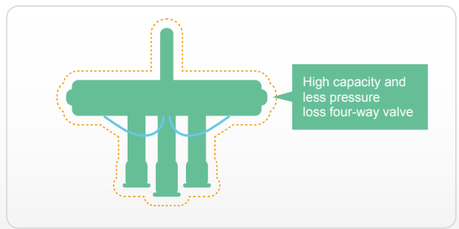


High-precise multiple electronic expansion valves control technology

The multiple high-precision electronic expansion valves equipped on the outdoor unit can adjust refrigerant flow of the unit rapidly and accurately according to commands, reduce power consumption during operation, improve energy efficiency and reduce fluctuation of indoor temperature, thus making the environment more comfortable and pleasant.

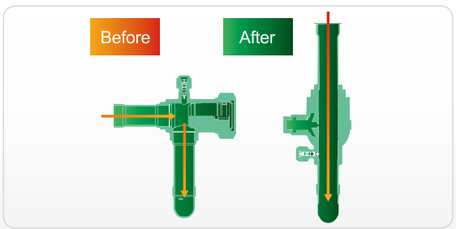
Optimization of the four-way valve

Adoption of the new type high-capacity four-way valve reduces compression at four-way valve greatly, ensures suction intensity of compressor and improves performance of the complete machine.



Optimization of ball check valve

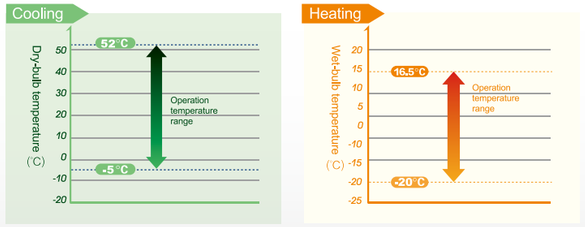
The brand-new ball check valve, in which there is almost no part hindering fluid flow and thus the local pressure loss is improved significantly, enhances efficiency of the whole system.



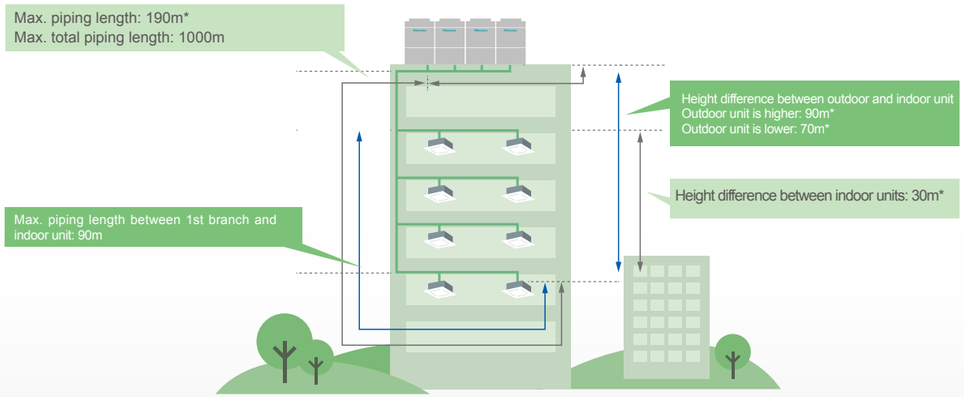
Wide Operation Range

The highest working temperature reaches upto 52°C in cooling mode, and lowest working temperature reaches -20°C in heating mode.

Note: when the designed cooling temperature is over 43℃, please contact with our professional engineer.



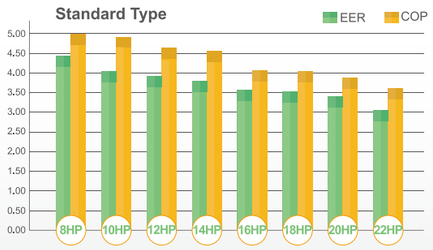
More Flexible Refrigerant Piping Work



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

New-efficiency

The Hisense G+ series adopts new structure and advanced technology, providing new High efficiency combination solution.



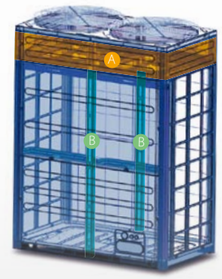
New Appearance

The built-in design of PP air duct ensures safety of inner core effectively

Combination of the integrated sheet-metal upper cover and protecting wire net structure realizes built-in design of PP air duct with optimal protection performance, effectively protecting important parts (e.g. fan) from being damaged when the machine falls from high altitudes.

A High strength motor bracket, more stale and quiet, smaller amplitude

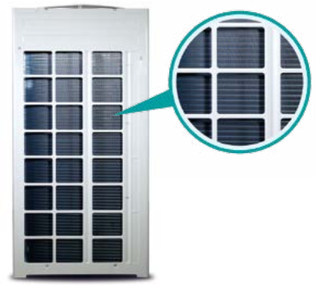
B High strength frame structure with inside upright column



Integrated high-strength side plate decreases vibration and reduces noises

Compared with the form combining stand column with wire net, Hisense G+ series is equipped with integrated high-strength side plates made from high-quality materials, which increases air handling area and reduces the vibration and noises produced during operation of the machine.

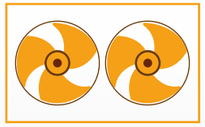
Common air conditioner



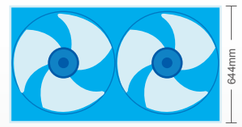
Hisense G+ series

The 644mm large dual-fan leads the industry

Hisense G+ series (20-22HP) is equipped with 644mm×2 large fans characterized by low noise and large air flow, greatly improving heat exchange efficiency of heat exchanger.



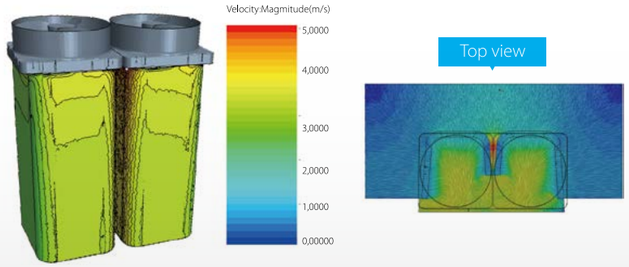
Common double fans diameter: 540mm



Hisense double large fans diameter: 644mm

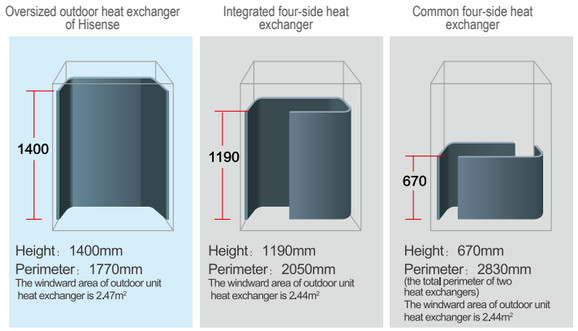
6-side heat exchanging of low pressure-loss ∑ type heat exchanger

The low pressure-loss ∑ type heat exchanger is structurally designed with a 6-side heat exchange structure and dual-fan, which realizes more uniform distribution of heat exchanger's wind field gradient under the same air-flow conditions, and improves heat-exchanging efficiency of heat exchanger. Meanwhile, higher height, larger heat exchange area and low pressure-loss optimization of flow in bypass branch of the heat exchanger itself improves heat-exchanging efficiency of refrigerant and ensures strong heat-exchanging performance of the complete machine.



Oversized outdoor heat exchanger

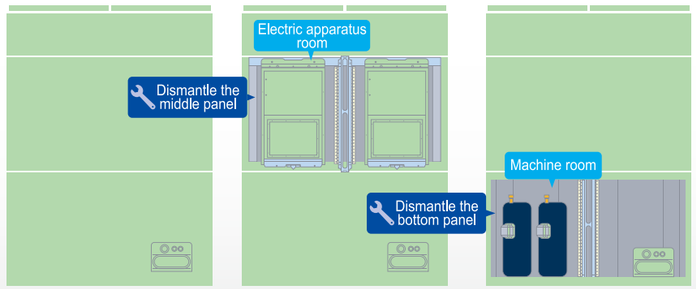
For the oversized outdoor heat exchanger of Hisense, the heat exchanger is characterized by larger face area and better heat-exchanging efficiency. Meanwhile, it reserves more space for arrangement of piping of refrigerating system and heat exchanger distribution pipe, thus ensuring better maintainability.



Note: the 96 type outdoor unit is taken as an example

Separation of machine room and electric room makes maintenance more convenient.

In the new structure, divisional design of front metal plate, separate assembling of metal plates in each part and separation of electric room and machine room improve repair and maintenance convenience. Modularized design of electric box and spatial independence of two variable frequency compressors' control circuits reduce mutual crosstalk, enhance EMC performance greatly and make heat emission efficiency better.



New Installation

The modular design makes installation easier

Hisense G+ series is characterized by compact structure and modular design by breaking up the whole system into parts, making it easier for both installation and transportation. Taking 88HP as an example, capacity of a single-module product is up to 22HP. And, it can be an assembly of 4 modules, not only meeting the high-capacity requirement but effectively save the space.

The volume is convenient for elevator transportation

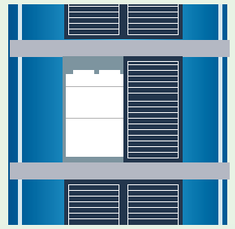
Static pressure of outdoor unit is up to 85Pa

The maximum static pressure of outdoor unit is up to 85Pa and is more suitable for layered installation and centralized installation.

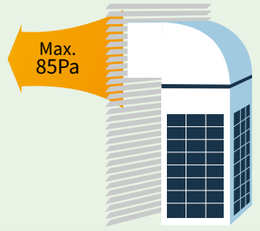
The higher static pressure and longer air supplying distance of outdoor unit ensures smooth circulation of air flow and solves the problem of heat dissipation of outdoor unit effectively.

The outdoor unit featured with higher static pressure, well responds to the severe environment where the outdoor unit is placed at, is available for more flexible arrangement and is favorable for concealed installation of outdoor unit.

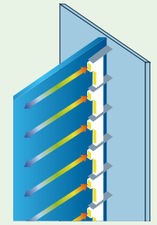
*Note: for details, please consult the technical personnel.



Layered arrangement of outdoor unit solves the problem of heat dissipation easily



Favorable for concealed installation of outdoor unit and making the facade more aesthetic



Air distribution schematic diagram

Outdoor Unit Specifications

Hi-FLEXi G+ Series		HP	8HP	10HP	12HP	14HP
Model Power Supply	AC3Φ380V~415V/50/60Hz		AVWT-76UKSNA	AVWT-96UKSNA	AVWT-114UKSNA	AVWT-136UKSTA
	AC3Φ208~230V/60Hz		AVWT-76U8SNA	AVWT-96U8SNA	AVWT-114U8SNA	AVWT-136U8STA
Combination						
Cooling Operation	Nominal Capacity	kW	22.4	28.0	33.5	40.0
		KBtu/h	76.4	95.5	114.3	136.5
	Power Consumption	kW	5.00	6.95	8.66	10.61
	EER		4.48	4.03	3.87	3.77
Heating Opeartion	Nominal Capacity	kW	25.0	31.5	37.5	45.0
		KBtu/h	85.3	107.5	128.0	153.5
	Power Consumption	kW	5.00	6.35	8.06	9.91
	COP		5.00	4.96	4.65	4.54
Air Flow Rate		m³/h	9,300	10,200	10,500	11,700
Outer Dimension (H×W×D)		mm	1,730×950×750	1,730×950×750	1,730×950×750	1,730×1,210×750
Packing Dimension (H×W×D)		mm	1,930×1,015×790	1,930×1,015×790	1,930×1,015×790	1,930×1,275×790
Net Weight		Kg	239	240	241	331
Gross Weight		Kg	251	252	253	353
Compressor Quantity			1	1	1	2
Condenser Fan Quantity			1	1	1	1
Cabinet Color			Ivory White			
Refrigerant Piping	Gas Line	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4
	Liquid Line	mm	Φ9.53	Φ9.53	Φ12.7	Φ12.7
Max. number of connectable IDU			13	16	19	23
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level (208~230V/380~415V)		dB(A)	63/64	65/65	65/66	66/68
Operation Range	Cooling	℃DB	-5~52*			
	Heating	℃WB	-20~16.5			

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professional engineer.
5. When the cooling operation temperature is over 43℃, please contact with our professional engineer.

Hi-FLEXi G+ Series		HP	16HP	18HP	20HP	22HP
Model Power Supply	AC3Φ380V~415V/50/60Hz		AVWT-154UKSTA	AVWT-170UKSTA	AVWT-190UKS1A	AVWT-212UKS1A
	AC3Φ208~230V/60Hz		AVWT-154U8STA	AVWT-170U8STA	AVWT-190U8S1A	AVWT-212U8S1A
Combination						
Cooling Operation	Nominal Capacity	kW	45.0	50.0	56.0	61.5
		KBtu/h	153.5	170.6	191.1	209.8
	Power Consumption	kW	12.61	14.37	16.42	20.10
	EER		3.57	3.48	3.41	3.06
Heating Opeartion	Nominal Capacity	kW	50.0	56.0	63.0	69.0
		KBtu/h	170.6	191.1	215.0	235.4
	Power Consumption	kW	12.29	13.97	16.41	19.11
	COP		4.07	4.01	3.84	3.61
Air Flow Rate		m³/h	11,700	14,400	15,300	16,200
Outer Dimension (H×W×D)		mm	1,730×1,210×750	1,730×1,210×750	1,730×1,350×750	1,730×1,350×750
Packing Dimension (H×W×D)		mm	1,930×1,275×790	1,930×1,275×790	1,930×1,420×790	1,930×1,420×790
Net Weight		Kg	332	333	394	395
Gross Weight		Kg	354	355	415	416
Compressor Quantity			2	2	2	2
Condenser Fan Quantity			1	1	2	2
Cabinet Color			Ivory White			
Refrigerant Piping	Gas Line	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6
	Liquid Line	mm	Φ12.7	Φ15.88	Φ15.88	φ15.88
Max. number of connectable IDU			26	26	33	36
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level (208~230V/380~415V)		dB(A)	66/68	67/68	69/69	69/69
Operation Range	Cooling	℃DB	-5~52*			
	Heating	℃WB	-20~16.5			

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professional engineer.
5. When the cooling operation temperature is over 43℃, please contact with our professional engineer.

Outdoor Unit Specifications

Hi-FLEXi G+ Series		HP	24HP	26HP	28HP	30HP	32HP	34HP
Model Power Supply	AC3Φ380V~415V/50/60Hz		AVWT-232UKSZA	AVWT-250UKSZA	AVWT-268UKSZA	AVWT-287UKSZA	AVWT-306UKSZA	AVWT-324UKSZA
	AC3Φ208~230V/60Hz		AVWT-232U8SZA	AVWT-250U8SZA	AVWT-268U8SZA	AVWT-287U8SZA	AVWT-306U8SZA	AVWT-324U8SZA
Combination			AVWT-96U*	AVWT-114U*	AVWT-114U*	AVWT-96U*	AVWT-114U*	AVWT-154U*
			AVWT-136U*	AVWT-136U*	AVWT-154U*	AVWT-190U*	AVWT-190U*	AVWT-170U*
Cooling Operation	Nominal Capacity	kW	68.0	73.5	78.5	84.0	89.5	95
		KBtu/h	232.0	250.8	267.8	286.6	305.4	324.1
	Power Consumption	kW	17.56	19.27	21.26	23.37	25.08	26.97
	EER		3.87	3.81	3.69	3.59	3.57	3.52
Heating Opeartion	Nominal Capacity	kW	76.5	82.5	87.5	94.5	100.5	106.0
		KBtu/h	261.0	281.5	298.6	322.4	342.9	361.7
	Power Consumption	kW	16.3	18.0	20.3	22.8	24.5	26.25
	COP		4.71	4.59	4.30	4.15	4.11	4.04
Air Flow Rate		m³/h	21,900	22,200	22,200	25,500	25,800	26,100
Outer Dimension (H×W×D)		mm	1,730× (950+1,210) ×750			1,730× (950+1,350) ×750		1,730× (1,210+1,210) ×750
Packing Dimension (H×W×D)		mm	1,930×(1,015+1,275)×790			1,930× (1,015+1,420) ×790		1,930× (1,275+1,275) ×790
Net Weight		Kg	571	572	573	634	635	665
Gross Weight		Kg	605	606	607	667	668	709
Compressor Quantity			3	3	3	3	3	4
Condenser Fan Quantity			2	2	2	3	3	2
Cabinet Color			Ivory White					
Refrigerant Piping	Gas Line	mm	Φ28.6	Φ31.75	Φ31.75	Φ31.75	Φ31.75	Φ38.1
	Liquid Line	mm	Φ15.88	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
Max. number of connectable IDU			40	43	47	50	53	56
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level (208~230V/380~415V)		dB(A)	68/69	69/70	71/73	72/73	72/73	72/73
Operation Range	Cooling	℃ DB	-5~52*					
	Heating	℃ WB	-20~16.5					

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.
5. When the cooling operation temperature is over 43℃, please contact with our professional engineer.

Hi-FLEXi G+ Series		HP	36HP	38HP	40HP	42HP	44HP
Model Power Supply	AC3Φ380V~415V/50/60Hz		AVWT-340UKSZA	AVWT-364UKSZA	AVWT-382UKSZA	AVWT-398UKSZA	AVWT-420UKSZA
	AC3Φ208~230V/60Hz		AVWT-340U8SZA	AVWT-364U8SZA	AVWT-382U8SZA	AVWT-398U8SZA	AVWT-420U8SZA
Combination			AVWT-170U*	AVWT-154U*	AVWT-190U*	AVWT-190U*	AVWT-212U*
			AVWT-170U*	AVWT-212U*	AVWT-190U*	AVWT-212U*	AVWT-212U*
Cooling Operation	Nominal Capacity	kW	100	106.5	112	117.5	123
		KBtu/h	341.2	363.4	382.1	400.9	419.7
	Power Consumption	kW	28.74	32.70	32.84	36.52	40.20
	EER		3.48	3.26	3.41	3.22	3.06
Heating Opeartion	Nominal Capacity	kW	112.0	119.0	126.0	132.0	138.0
		KBtu/h	382.1	406.0	429.9	450.4	470.9
	Power Consumption	kW	27.9	31.4	32.8	35.5	38.2
	COP		4.01	3.79	3.84	3.72	3.61
Air Flow Rate		m³/h	28,800	27,900	30,600	31,500	32,400
Outer Dimension (H×W×D)		mm	1,730× (1,210+1,210) ×750	1,730× (1,210+1,350) ×750	1,730× (1,350+1,350) ×750		
Packing Dimension (H×W×D)		mm	1,930× (1,275+1,275) ×790	1,930× (1,275+1,420) ×790	1,930× (1,420+1,420) ×790		
Net Weight		Kg	666	727	788	789	790
Gross Weight		Kg	710	770	830	831	832
Compressor Quantity			4	4	4	4	4
Condenser Fan Quantity			2	3	4	4	4
Cabinet Color			Ivory White				
Refrigerant Piping	Gas Line	mm	Φ38.1	Φ38.1	Φ38.1	Φ38.1	Φ38.1
	Liquid Line	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
Max. number of connectable IDU			59	64	64	64	64
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level (208~230V/380~415V)		dB(A)	72/73	72/73	74/74	74/74	74/74
Operation Range	Cooling	℃ DB	-5~52*				
	Heating	℃ WB	-20~16.5				

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.
5. When the cooling operation temperature is over 43℃, please contact with our professional engineer.

Outdoor Unit Specifications

Hi-FLEXi G+ Series		HP	46HP	48HP	50HP	52HP	54HP
Model Power Supply	AC3Φ380V~415V/50/60Hz		AVWT-438UKSZA	AVWT-454UKSZA	AVWT-476UKSZA	AVWT-494UKSZA	AVWT-510UKSZA
	AC3Φ208~230V/60Hz		AVWT-438U8SZA	AVWT-454U8SZA	AVWT-476U8SZA	AVWT-494U8SZA	AVWT-510U8SZA
Combination			AVWT-114U*	AVWT-114U*	AVWT-114U*	AVWT-114U*	AVWT-170U*
			AVWT-154U*	AVWT-170U*	AVWT-154U*	AVWT-170U*	AVWT-170U*
			AVWT-170U*	AVWT-170U*	AVWT-212U*	AVWT-212U*	AVWT-170U*
Cooling Operation	Nominal Capacity	kW	128.5	133.5	140	145.0	150
		KBtu/h	438.4	455.5	477.7	494.7	511.8
	Power Consumption	kW	35.63	37.39	41.36	43.12	43.10
	EER		3.61	3.57	3.38	3.36	3.48
Heating Opeartion	Nominal Capacity	kW	143.5	149.5	156.5	162.5	168.0
		KBtu/h	489.6	510.1	534.0	554.5	573.2
	Power Consumption	kW	34.3	35.99	39.5	41.1	41.9
	COP		4.18	4.15	3.97	3.95	4.01
Air Flow Rate		m³/h	36,600	39,300	38,400	41,100	43,200
Outer Dimension (H×W×D)		mm	1,730× (950+1,210+1,210) ×750		1,730× (950+12,10+1,350) ×750		1,730×(1,210+1,210+1,210)×750
Packing Dimension (H×W×D)		mm	1,930× (1,015+1,275+1,275) ×790		1,930× (1,015+1,275+1,420) ×790		1,930×(1,275+1,275+1,275)×790
Net Weight		Kg	906	907	968	969	999
Gross Weight		Kg	962	963	1,023	1,024	1,065
Compressor Quantity			5	5	5	5	6
Condenser Fan Quantity			3	3	4	4	3
Cabinet Color			Ivory White				
Refrigerant Piping	Gas Line	mm	Φ41.3	Φ41.3	Φ41.3	Φ41.3	Φ41.3
	Liquid Line	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2
Max. number of connectable IDU			64	64	64	64	64
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level (208~230V/380~415V)		dB(A)	74/75	74/75	74/75	74/75	75/75
Operation Range	Cooling	℃ DB	-5~52*				
	Heating	℃ WB	-20~16.5				

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professional engineer.
5. When the cooling operation temperature is over 43℃, please contact with our professional engineer.

Hi-FLEXi G+ Series		HP	56HP	58HP	60HP	62HP	64HP	66HP
Model Power Supply	AC3Φ380V~415V/50/60Hz		AVWT-534UKSZA	AVWT-551UKSZA	AVWT-572UKSZA	AVWT-590UKSZA	AVWT-611UKSZA	AVWT-630UKSZA
	AC3Φ208~230V/60Hz		AVWT-534U8SZA	AVWT-551U8SZA	AVWT-572U8SZA	AVWT-590U8SZA	AVWT-611U8SZA	AVWT-630U8SZA
Combination			AVWT-154U*	AVWT-170U*	AVWT-170U*	AVWT-170U*	AVWT-190U*	AVWT-212U*
			AVWT-170U*	AVWT-170U*	AVWT-190U*	AVWT-212U*	AVWT-212U*	AVWT-212U*
			AVWT-212U*	AVWT-212U*	AVWT-212U*	AVWT-212U*	AVWT-212U*	AVWT-212U*
Cooling Operation	Nominal Capacity	kW	156.5	161.5	167.5	173	179	184.5
		KBtu/h	534.0	551.0	571.5	590.3	610.7	629.5
	Power Consumption	kW	47.07	48.83	50.89	54.56	56.62	60.29
	EER		3.32	3.31	3.29	3.17	3.16	3.06
Heating Opeartion	Nominal Capacity	kW	175.0	181.0	188.0	194.0	201.0	207.0
		KBtu/h	597.1	617.6	641.5	661.9	685.8	706.3
	Power Consumption	kW	45.4	47.0	49.5	52.2	54.6	57.3
	COP		3.86	3.85	3.80	3.72	3.68	3.61
Air Flow Rate		m³/h	42,300	45,000	45,900	46,800	47,700	48,600
Outer Dimension (H×W×D)		mm	1,730×(1,210+1,210+1,350)×750		1,730×(1,210+1,350+1,350)×750		1,730×(1,350+1,350+1,350)×750	
Packing Dimension (H×W×D)		mm	1,930×(1,275+1,275+1,420)×790		1,930×(1,210+1,420+1,420)×790		1,930×(1,420+1,420+1,420)×790	
Net Weight		Kg	1,060	1,061	1,122	1,123	1,184	1,185
Gross Weight		Kg	1,125	1,126	1,186	1,187	1,247	1,248
Compressor Quantity			6	6	6	6	6	6
Condenser Fan Quantity			4	4	5	5	6	6
Cabinet Color			Ivory White					
Refrigerant Piping	Gas Line	mm	Φ41.3	Φ44.5	Φ44.5	Φ44.5	Φ44.5	Φ44.5
	Liquid Line	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2
Max. number of connectable IDU			64	64	64	64	64	64
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level (208~230V/380~415V)		dB(A)	75/76	75/76	76/76	76/76	76/76	76/76
Operation Range	Cooling	℃ DB	-5~52*					
	Heating	℃ WB	-20~16.5					

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professional engineer.
5. When the cooling operation temperature is over 43℃, please contact with our professional engineer.

Outdoor Unit Specifications

Hi-FLEXi G+ Series		HP	68HP	70HP	72HP	74HP	76HP	78HP
Model Power Supply	AC3Φ380V~415V/50/60Hz		AVWT-649UKSZA	AVWT-666UKSZA	AVWT-688UKSZA	AVWT-705UKSZA	AVWT-722UKSZA	AVWT-742UKSZA
	AC3Φ208~230V/60Hz		AVWT-649U8SZA	AVWT-666U8SZA	AVWT-688U8SZA	AVWT-705U8SZA	AVWT-722U8SZA	AVWT-742U8SZA
Combination			AVWT-114U*	AVWT-114U*	AVWT-114U*	AVWT-114U*	AVWT-170U*	AVWT-170U*
			AVWT-154U*	AVWT-170U*	AVWT-154U*	AVWT-170U*	AVWT-170U*	AVWT-170U*
			AVWT-170U*	AVWT-170U*	AVWT-212U*	AVWT-212U*	AVWT-170U*	AVWT-190U*
			AVWT-212U*	AVWT-212U*	AVWT-212U*	AVWT-212U*	AVWT-212U*	AVWT-212U*
Cooling Operation	Nominal Capacity	kW	190	195	201.5	206.5	211.5	217.5
		KBtu/h	648.3	665.3	687.5	704.6	721.6	742.1
	Power Consumption	kW	57.51	57.49	61.46	63.22	63.20	65.26
	EER		3.30	3.39	3.28	3.27	3.35	3.33
Heating Opeartion	Nominal Capacity	kW	212.5	218.5	225.5	231.5	237.0	244.0
		KBtu/h	725.1	745.5	769.4	789.9	808.6	832.5
	Power Consumption	kW	53.4	55.1	58.6	60.2	61.0	63.4
	COP		3.98	3.97	3.85	3.84	3.88	3.85
Air Flow Rate		m³/h	52,800	55,500	54,600	57,300	59,400	60,300
Outer Dimension (H×W×D)		mm	1,730×(950+1,210+1,210+1,350)×750	1,730×(950+1,210+1,210+1,350)×750	1,730×(950+1,210+1,350+1,350)×750		1,730×(1,210+1,210+1,210+1,350)×750	1,730×(1,210+1,210+1,350+1,350)×750
Packing Dimension (H×W×D)		mm	1,930×(1,015+1,275+1,275+1,420)×790	1,930×(1,015+1,275+1,275+1,420)×790	1,930×(1,015+1,210+1,420+1,420)×790		1,930×(1,275+1,275+1,275+1,420)×790	1,930×(1,275+1,275+1,420+1,420)×790
Net Weight		Kg	1,301	1,302	1,363	1,364	1,394	1,455
Gross Weight		Kg	1,378	1,379	1,439	1,440	1,481	1,541
Compressor Quantity			7	7	7	7	8	8
Condenser Fan Quantity			5	5	6	6	5	6
Cabinet Color			Ivory White					
Refrigerant Piping	Gas Line	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
	Liquid Line	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Max. number of connectable IDU			64	64	64	64	64	64
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level (208~230V/380~415V)		dB(A)	76/77	76/77	76/77	76/77	76/77	76/77
Operation Range	Cooling	℃DB	-5~52*					
	Heating	℃WB	-20~16.5					

Notes:

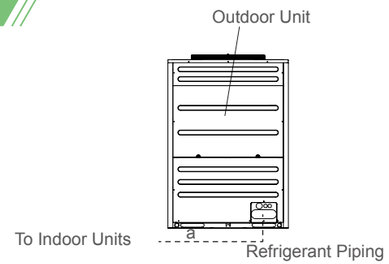
1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.
5. When the cooling operation temperature is over 43℃, please contact with our professional engineer.

Hi-FLEXi G+ Series		HP	80HP	82HP	84HP	86HP	88HP
Model Power Supply	AC3Φ380V~415V/50/60Hz		AVWT-761UKSZA	AVWT-782UKSZA	AVWT-800UKSZA	AVWT-821UKSZA	AVWT-840UKSZA
	AC3Φ208~230V/60Hz		AVWT-761U8SZA	AVWT-782U8SZA	AVWT-800U8SZA	AVWT-821U8SZA	AVWT-840U8SZA
Combination			AVWT-170U*	AVWT-170U*	AVWT-170U*	AVWT-190U*	AVWT-212U*
			AVWT-170U*	AVWT-190U*	AVWT-212U*	AVWT-212U*	AVWT-212U*
			AVWT-212U*	AVWT-212U*	AVWT-212U*	AVWT-212U*	AVWT-212U*
			AVWT-212U*	AVWT-212U*	AVWT-212U*	AVWT-212U*	AVWT-212U*
Cooling Operation	Nominal Capacity	kW	223	229	234.5	240.5	246
		KBtu/h	760.9	781.3	800.1	820.6	839.4
	Power Consumption	kW	68.93	70.99	74.66	76.72	80.39
	EER		3.24	3.23	3.14	3.13	3.06
Heating Opeartion	Nominal Capacity	kW	250.0	257.0	263.0	270.0	276.0
		KBtu/h	853.0	876.9	897.4	921.2	941.7
	Power Consumption	kW	66.2	68.6	71.3	73.7	76.5
	COP		3.78	3.75	3.69	3.66	3.61
Air Flow Rate		m³/h	61,200	62,100	63,000	63,900	64,800
Outer Dimension (H×W×D)		mm	1,730×(1,210+1,210+1,350+1,350)×750	1,730×(1,210+1,350+1,350+1,350)×750		1,730×(1,350+1,350+1,350+1,350)×750	
Packing Dimension (H×W×D)		mm	1,930×(1,275+1,275+1,420+1,420)×790	1,930×(1,275+1,420+1,420+1,420)×790		1,930×(1,420+1,420+1,420+1,420)×790	
Net Weight		Kg	1,456	1,517	1,518	1,579	1,580
Gross Weight		Kg	1,542	1,602	1,603	1,663	1,664
Compressor Quantity			8	8	8	8	8
Condenser Fan Quantity			6	7	7	8	8
Cabinet Color			Ivory White				
Refrigerant Piping	Gas Line	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
	Liquid Line	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Max. number of connectable IDU			64	64	64	64	64
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)	50(90*)/40(70*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level (208~230V/380~415V)		dB(A)	77/77	77/77	77/77	77/77	77/77
Operation Range	Cooling	℃DB	-5~52*				
	Heating	℃WB	-20~16.5				

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.
5. When the cooling operation temperature is over 43℃, please contact with our professional engineer.

Piping Size for Base Units



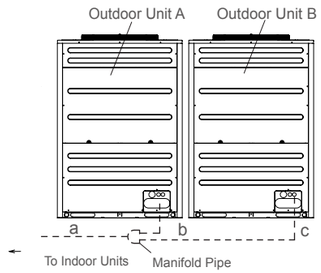
(Φmm)

Model			AVWT-76UKSNA	AVWT-96UKSNA	AVWT-114UKSNA	AVWT-136UKSNA
Piping Size	a	Gas	19.05	22.2	25.4	25.4
		Liquid	9.53	9.53	12.7	12.7

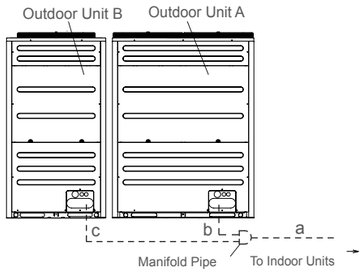
Model			AVWT-154UKSNA	AVWT-170UKSTA	AVWT-190UKS1A	AVWT-212UKS1A
Piping Size	a	Gas	28.6	28.6	28.6	28.6
		Liquid	12.7	15.88	15.88	15.88

Piping Size for Two Units Combination

(Indoor Unit on Left Side)



(Indoor Unit on Right Side)

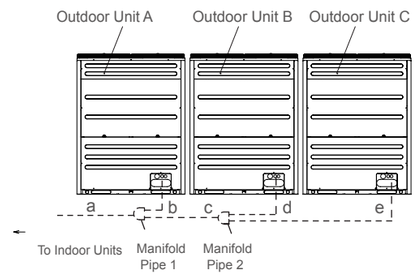


Model			AVWT-232UKSZA	AVWT-250UKSZA	AVWT-268UKSZA	AVWT-287UKSZA	AVWT-306UKSZA
Combination Unit	Outdoor Unit A		AVWT-136UKSTA	AVWT-136UKSTA	AVWT-154UKSTA	AVWT-190UKS1A	AVWT-190UKS1A
	Outdoor Unit B		AVWT-96UKSNA	AVWT-114UKSNA	AVWT-114UKSNA	AVWT-96UKSNA	AVWT-114UKSNA
Manifold Pipe			HFQ-M22F	HFQ-M32F			
Piping Size	a	Gas	28.6	31.75	31.75	31.75	31.75
		Liquid	15.88	19.05	19.05	19.05	19.05
	b	Gas	25.4	25.4	28.6	28.6	28.6
		Liquid	12.7	12.7	12.7	15.88	15.88
	c	Gas	22.2	25.4	25.4	22.2	25.4
		Liquid	9.53	12.7	12.7	9.53	12.7

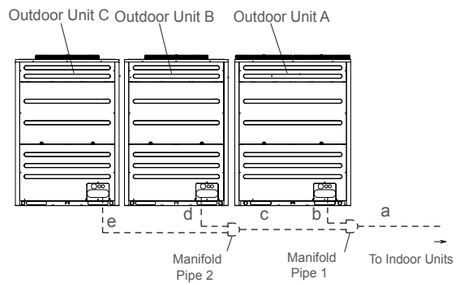
Model			AVWT-324UKSZA	AVWT-340UKSZA	AVWT-364UKSZA	AVWT-382UKSZA	AVWT-398UKSZA	AVWT-420UKSZA
Combination Unit	Outdoor Unit A		AVWT-170UKSTA	AVWT-170UKSTA	AVWT-212UKS1A	AVWT-190UKS1A	AVWT-212UKS1A	AVWT-212UKS1A
	Outdoor Unit B		AVWT-154UKSTA	AVWT-170UKSNA	AVWT-154UKSTA	AVWT-190UKS1A	AVWT-190UKS1A	AVWT-212UKS1A
Manifold Pipe			HFQ-M22F	HFQ-M32F				
Piping Size	a	Gas	38.1	38.1	38.1	38.1	38.1	38.1
		Liquid	19.05	19.05	19.05	19.05	19.05	19.05
	b	Gas	28.6	28.6	28.6	28.6	28.6	28.6
		Liquid	15.88	15.88	15.88	15.88	15.88	15.88
	c	Gas	25.4	25.4	28.6	28.6	28.6	28.6
		Liquid	12.7	12.7	12.7	15.88	15.88	15.88

Piping Size for Three Units Combination

(Indoor Unit on Left Side)



(Indoor Unit on Right Side)



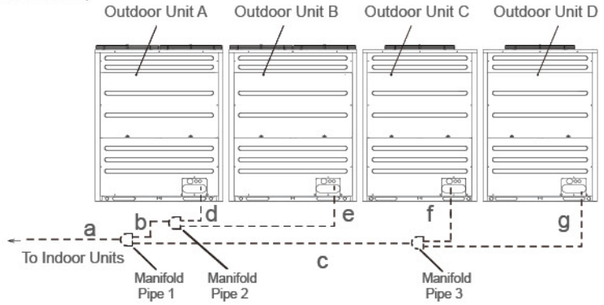
Model			AVWT-438UKSZA	AVWT-452UKSZA	AVWT-476UKSZA	AVWT-494UKSZA	AVWT-510UKSZA	AVWT-534UKSZA
Combination Unit	Outdoor Unit A		AVWT-170UKSTA	AVWT-170UKSTA	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-170UKSTA	AVWT-212UKS1A
	Outdoor Unit B		AVWT-154UKSTA	AVWT-170UKSTA	AVWT-154UKSTA	AVWT-170UKSTA	AVWT-170UKSTA	AVWT-170UKSTA
	Outdoor Unit C		AVWT-114UKSNA	AVWT-114UKSNA	AVWT-114UKSNA	AVWT-114UKSNA	AVWT-170UKSTA	AVWT-154UKSTA
Manifold Pipe1			HFQ-M462F					
Manifold Pipe2			HFQ-M32F					
Piping Size	a	Gas	41.3	41.3	41.3	41.3	41.3	41.3
		Liquid	22.2	22.2	22.2	22.2	22.2	22.2
	b	Gas	28.6	28.6	28.6	28.6	28.6	28.6
		Liquid	15.88	15.88	15.88	15.88	15.88	15.88
	c	Gas	31.75	31.75	31.75	31.75	38.1	38.1
		Liquid	19.05	19.05	19.05	19.05	19.05	19.05
	d	Gas	25.4	25.4	25.4	28.6	28.6	28.6
		Liquid	12.7	12.7	12.7	12.7	15.88	15.88
	e	Gas	25.4	25.4	25.4	25.4	25.4	25.4
		Liquid	12.7	12.7	12.7	12.7	12.7	12.7

Model			AVWT-551UKSZA	AVWT-572UKSZA	AVWT-590UKSZA	AVWT-611UKSZA	AVWT-630UKSZA
Combination Unit	Outdoor Unit A		AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A
	Outdoor Unit B		AVWT-170UKSTA	AVWT-190UKS1A	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A
	Outdoor Unit C		AVWT-170UKSTA	AVWT-170UKSTA	AVWT-170UKSTA	AVWT-190UKS1A	AVWT-212UKS1A
Manifold Pipe1			HFQ-M462F				
Manifold Pipe2			HFQ-M32F				
Piping Size	a	Gas	44.5	44.5	44.5	44.5	44.5
		Liquid	22.2	22.2	22.2	22.2	22.2
	b	Gas	28.6	28.6	28.6	28.6	28.6
		Liquid	15.88	15.88	15.88	15.88	15.88
	c	Gas	38.1	38.1	38.1	38.1	38.1
		Liquid	19.05	19.05	19.05	19.05	19.05
	d	Gas	28.6	28.6	28.6	28.6	28.6
		Liquid	15.88	15.88	15.88	12.7	15.88
	e	Gas	25.4	28.6	28.6	28.6	28.6
		Liquid	12.7	15.88	15.88	15.88	15.88

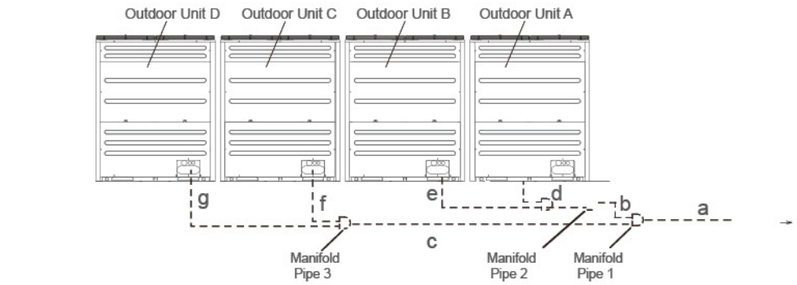
*Perform piping for outdoor unit in accordance with the requirements as set forth above.
Select manifold pipe model and tube size by referring to the models of outdoor unit provided above.

Piping Size for Four Units Combination

(Indoor Unit on Left Side)



(Indoor Unit on Right side)



Model			AVWT-649UKSZA	AVWT-666UKSZA	AVWT-688UKSZA	AVWT-705UKSZA	AVWT-722UKSZA	AVWT-742UKSZA
Combination Unit	Outdoor Unit A		AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A
	Outdoor Unit B		AVWT-170UKSTA	AVWT-170UKSTA	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-170UKSTA	AVWT-190UKS1A
	Outdoor Unit C		AVWT-154UKSTA	AVWT-170UKSTA	AVWT-154UKSTA	AVWT-170UKSTA	AVWT-170UKSTA	AVWT-170UKSTA
	Outdoor Unit D		AVWT-114UKSNA	AVWT-114UKSNA	AVWT-114UKSNA	AVWT-114UKSNA	AVWT-170UKSTA	AVWT-170UKSTA
Manifold Pipe1			HFQ-M682F					
Manifold Pipe2			HFQ-M32F					
Manifold Pipe3			HFQ-M32F					
Piping Size	a	Gas	50.8	50.8	50.8	50.8	50.8	50.8
		Liquid	25.4	25.4	25.4	25.4	25.4	25.4
	b	Gas	38.1	38.1	38.1	38.1	38.1	38.1
		Liquid	19.05	19.05	19.05	19.05	19.05	19.05
	c	Gas	31.75	31.75	31.75	38.1	38.1	38.1
		Liquid	19.05	19.05	19.05	19.05	19.05	19.05
	d	Gas	28.6	28.6	28.6	28.6	28.6	28.6
		Liquid	15.88	15.88	15.88	15.88	15.88	15.88
	e	Gas	28.6	28.6	28.6	28.6	28.6	28.6
		Liquid	15.88	15.88	15.88	15.88	15.88	15.88
	f	Gas	25.4	25.4	25.4	28.6	28.6	28.6
		Liquid	12.7	12.7	12.7	15.88	15.88	15.88
	g	Gas	25.4	25.4	25.4	25.4	25.4	28.6
		Liquid	12.7	12.7	12.7	12.7	12.7	12.7

Model			AVWT-761UKSZA	AVWT-782UKSZA	AVWT-800UKSZA	AVWT-821UKSZA	AVWT-840UKSZA
Combination Unit	Outdoor Unit A		AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A
	Outdoor Unit B		AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A
	Outdoor Unit C		AVWT-170UKSTA	AVWT-190UKS1A	AVWT-212UKS1A	AVWT-212UKS1A	AVWT-212UKS1A
	Outdoor Unit D		AVWT-170UKSTA	AVWT-170UKSTA	AVWT-170UKSTA	AVWT-190UKS1A	AVWT-212UKS1A
Manifold Pipe1			HFQ-M682F				
Manifold Pipe2			HFQ-M32F				
Manifold Pipe3			HFQ-M32F				
Tube Size	a	Gas	50.8	50.8	50.8	50.8	50.8
		Liquid	25.4	25.4	25.4	25.4	25.4
	b	Gas	38.1	38.1	38.1	38.1	38.1
		Liquid	19.05	19.05	19.05	19.05	19.05
	c	Gas	38.1	38.1	38.1	38.1	38.1
		Liquid	19.05	19.05	19.05	19.05	19.05
	d	Gas	28.6	28.6	28.6	28.6	28.6
		Liquid	15.88	15.88	15.88	15.88	15.88
	e	Gas	28.6	28.6	28.6	28.6	28.6
		Liquid	15.88	15.88	15.88	15.88	15.88
	f	Gas	28.6	28.6	28.6	28.6	28.6
		Liquid	15. 88	15. 88	15. 88	15.88	15.88
	g	Gas	25.4	28.6	28.6	28.6	28.6

*Perform piping for outdoor unit in accordance with the requirements as set forth above.
Select manifold pipe model and tube size by referring to the models of outdoor unit provided above.

Hi-FLEXi G Series

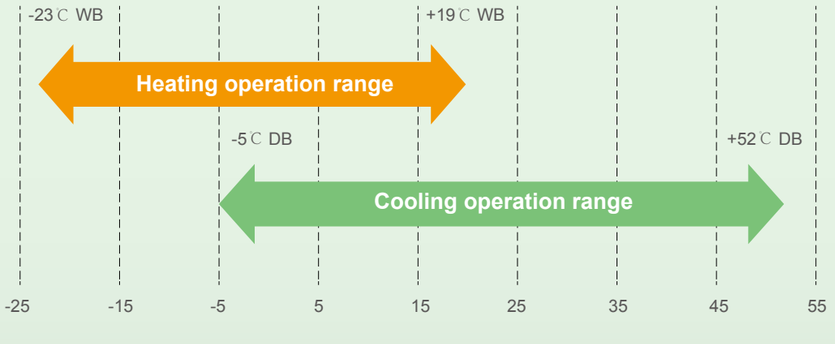
Full DC Inverter Series

Hi-FLEXi G series is the full DC inverter-driven multi-split central air conditioning product. It is the concentrated expression of Hisense's R&D ability and technical strength. Multiple advanced technology is adopted:

- High efficiency high-pressure chamber scroll compressor
- Full DC inverter-driven control technology
- Stepless fan speed regulation and fan production technology
- Smart and precise unit capacity allocation technology
- Intelligent demand mode control technology

Wide Operating Range

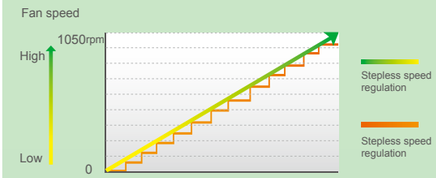
The system can run within a wide temperature range, the lowest heating operation can reach -23℃ WB, ensure a good heating effect in winter.



Stepless Fan Speed Regulation Technology

Full DC inverter series outdoor unit fan motor adopts DC inverter-driven motor which improves the motor efficiency by 40% and reduces the input power significantly. The outdoor unit fan can achieve stepless speed regulation according to the ambient temperature changes

Stepless frequency conversion adjustment of the fan



- The stability of discharge pressure and suction pressure of the compressor is assured;
- The stability of the indoor unit flow (capacity) dynamic allocation is assured and the fluctuation is reduced;
- Quick response of control systems is improved, accordingly the stability, durability and reliability of units are assured.

Smart and Precise Unit Capacity Allocation

Tests show that multi-split air conditioning units are most efficient under 40%~75% partial load condition, and the power consumption is lowest. Take 20HP units (double module) as an example, when the units operate under 12HP load, the load distribution of each module: common product is 10HP (full load) +2HP (ultra-low load); Hisense Hi-FIEXi G series is 6HP+6HP (intermediate load).

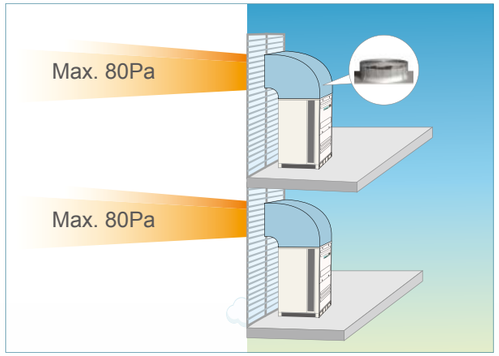
Hisense Hi-FIEXi G Series:

The efficiency will be the highest and the power consumption will be lowest when each module unit is working at 40% - 75% partial load.

Traditional product:

In normal operation, the module combination is operated at full load + ultra-low load, which influences the service life of units and consumes more power.

Extra-high External Static Pressure Design

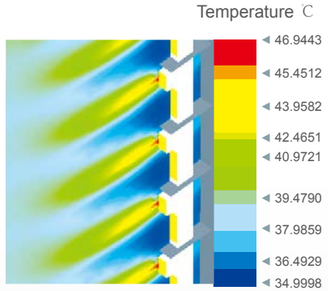


- Adopt high-efficiency DC fan motor
- The use of high-efficiency fan reduces energy consumption of the motor
- Can achieve industry-leading level of external static pressure 80Pa

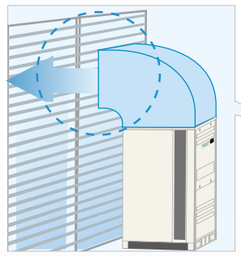
The efficient axial fan is designed adopting CFD, finite element method, aviation dynamic fluid simulation analysis and other advanced concepts; its air inlet angle and outlet angle are optimized; together with unique horn air vent design, the external static pressure of outdoor unit is higher, to ensure smooth air flow.

Layered Installation, Flexibly Corresponding to High-rise Buildings

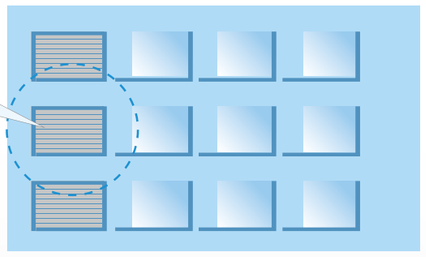
For high-rise buildings, crawl space can be left to place outdoor units, or machine room can be set up on each floor. By using exhaust duct to exhaust the air, short circuit of return air can be avoided with long exhaust distance, which ensures good ventilation and heat exchange effects of outdoor units.



Airflow Schematic

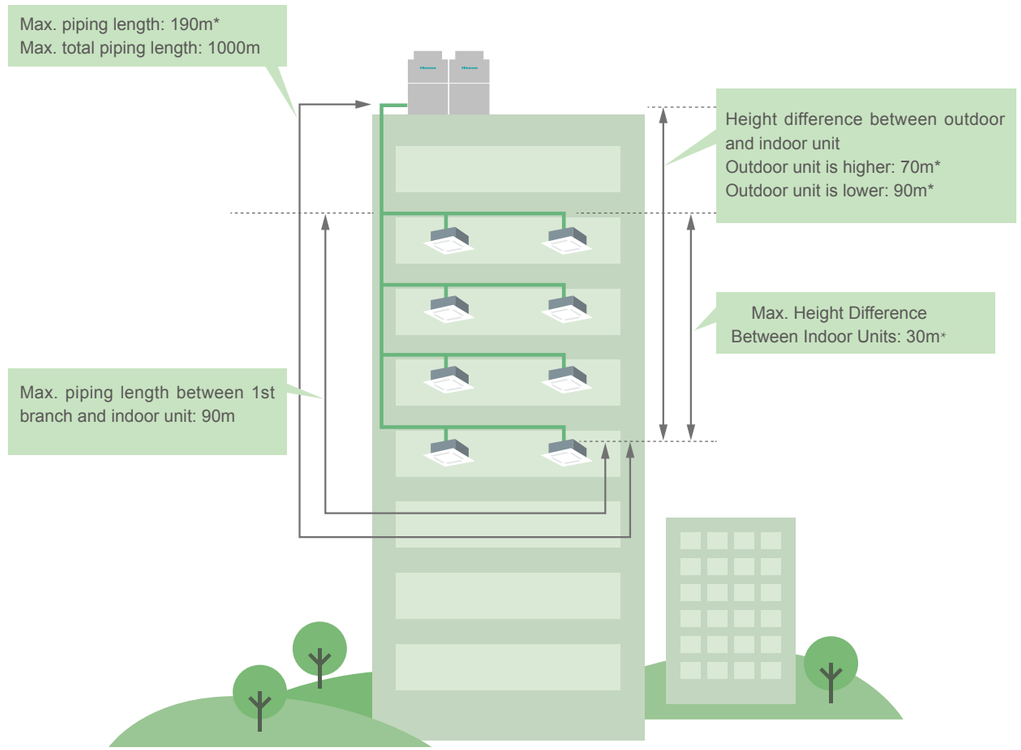


Exhaust duct installation



Layered installation effect picture

More Flexible Refrigerant Piping Work



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

Outdoor Unit Specifications

8/10/12HP

14/16/18HP

Hi-FLEXi G Series		HP	8HP	10HP	12HP	14HP	16HP	18HP
Model Power Supply	AC3Φ380V~415V/50Hz		AVWT-76UESRG	AVWT-96UESRG	AVWT-114UESRG	AVWT-136UESSG	AVWT-154UESSG	AVWT-170UESSG
	AC3Φ380V/60Hz		AVWT-76U7SRG	AVWT-96U7SRG	AVWT-114U7SRG	AVWT-136U7SSG	AVWT-154U7SSG	AVWT-170U7SSG
Combination								
Cooling Operation	Nominal Capacity	kW	22.4	28.0	33.5	40.0	45.0	50.0
		KBtu/h	76.5	95.6	114.3	136.5	153.6	170.6
	Power Consumption	kW	5.22	7.29	8.7	10.99	13.12	15.11
	EER		4.29	3.84	3.85	3.64	3.43	3.31
Heating Opeartion	Nominal Capacity	kW	25.0	31.5	37.5	45.0	50.0	56.0
		KBtu/h	85.3	107.5	128.0	153.6	170.6	191.1
	Power Consumption	kW	5.57	7.48	9.35	10.98	12.41	14.7
	COP		4.49	4.21	4.01	4.10	4.03	3.81
Air Flow Rate		m³/h	9,300	10,200	10,500	11,700	11,700	11,700
Outer Dimension (H×W×D)		mm	1,720×950×750	1,720×950×750	1,720×950×750	1,720×1,210×750	1,720×1,210×750	1,720×1,210×750
Packing Dimension (H×W×D)		mm	1,882×1,018×828	1,882×1,018×828	1,882×1,018×828	1,882×1,278×828	1,882×1,278×828	1,882×1,278×828
Net Weight		Kg	224	225	227	312	315	318
Gross Weight		Kg	237	238	240	327	330	333
Compressor Quantity			1	1	1	2	2	2
Condenser Fan Quantity			1	1	1	1	1	1
Cabinet Color			Ivory White					
Refrigerant Piping	Gas Line	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6	Φ28.6
	Liquid Line	mm	Φ9.53	Φ9.53	Φ12.7	Φ12.7	Φ12.7	Φ15.88
Max. number of connectable IDU			13	16	19	23	26	26
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level		dB(A)	56	57	59	59	59	60
Operation Range	Cooling	℃ DB	-5~52					
	Heating	℃ WB	-23~19					

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.

20HP

22/24/26HP

Hi-FLEXi G Series		HP	20HP	22HP	24HP	26HP
Model Power Supply	AC3Φ380V~415V/50Hz		AVWT-190UESZG	AVWT-212UESZG	AVWT-232UESZG	AVWT-250UESZG
	AC3Φ380V/60Hz		AVWT-190U7SZG	AVWT-212U7SZG	AVWT-232U7SZG	AVWT-250U7SZG
Combination			AVWT-76U* AVWT-114U*	AVWT-76U* AVWT-136U*	AVWT-96U* AVWT-136U*	AVWT-114U* AVWT-136U*
Cooling Operation	Nominal Capacity	kW	56.0	61.5	69.0	73.0
		KBtu/h	191.1	209.9	235.5	249.1
	Power Consumption	kW	13.90	16.20	18.28	19.74
	EER		4.03	3.80	3.77	3.70
Heating Opeartion	Nominal Capacity	kW	63.0	69.0	77.5	82.5
		KBtu/h	215.0	235.5	264.5	281.6
	Power Consumption	kW	14.95	16.55	18.44	20.34
	COP		4.21	4.17	4.20	4.06
Air Flow Rate		m³/h	19,800	21,000	21,900	22,200
Outer Dimension (H×W×D)		mm	1,720×(950+950)×750	1,720×(950+1210)×750	1,720×(950+1,210)×750	1,720×(950+1,210)×750
Packing Dimension (H×W×D)		mm	-	-	-	-
Net Weight		Kg	224+227	224+312	225+312	227+312
Gross Weight		Kg	237+240	237+327	238+327	240+327
Compressor Quantity			2	3	3	3
Condenser Fan Quantity			2	2	2	2
Cabinet Color			Ivory White			
Refrigerant Piping	Gas Line	mm	Φ28.6	Φ28.6	Φ28.6	Φ31.75
	Liquid Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ19.05
Max. number of connectable IDU			33	36	40	43
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level		dB(A)	61	61	61	62
Operation Range	Cooling	℃ DB	-5~52			
	Heating	℃ WB	-23~19			

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.

Outdoor Unit Specifications

28/30/32/34/36HP

Hi-FLEXi G Series		HP	28HP	30HP	32HP	34HP	36HP
Model Power Supply	AC3Φ380 ~ 415V/50Hz		AVWT-272UESZG	AVWT-290UESZG	AVWT-308UESZG	AVWT-324UESZG	AVWT-340UESZG
	AC3Φ380V/60Hz		AVWT-272U7SZG	AVWT-290U7SZG	AVWT-308U7SZG	AVWT-324U7SZG	AVWT-340U7SZG
Combination			AVWT-136U* AVWT-136U*	AVWT-136U* AVWT-154U*	AVWT-154U* AVWT-154U*	AVWT-154U* AVWT-170U*	AVWT-170U* AVWT-170U*
Cooling Operation	Nominal Capacity	kW	80.0	85.0	90.0	95.0	100.0
		KBtu/h	273.0	290.1	307.2	324.2	341.3
	Power Consumption	kW	21.98	24.07	26.24	28.25	30.22
	EER		3.64	3.53	3.43	3.36	3.31
Heating Opeartion	Nominal Capacity	kW	90.0	95.0	100.0	106.0	112.0
		KBtu/h	307.2	324.2	341.3	361.8	382.3
	Power Consumption	kW	22.02	23.42	24.82	27.11	29.40
	COP		4.09	4.06	4.03	3.91	3.81
Air Flow Rate		m³/h	23,400	23,400	23,400	23,400	23,400
Outer Dimension (H×W×D)		mm	1,720×(1,210+1,210)×750	1,720×(1,210+1,210)×750	1,720×(1,210+1,210)×750	1,720×(1,210+1,210)×750	1,720×(1,210+1,210)×750
Packing Dimension (H×W×D)		mm	-	-	-	-	-
Net Weight		Kg	312+312	312+315	315+315	315+318	318+318
Gross Weight		Kg	327+327	327+330	330+330	330+333	333+333
Compressor Quantity			4	4	4	4	4
Condenser Fan Quantity			2	2	2	2	2
Cabinet Color			Ivory White		Ivory White		
Refrigerant Piping	Gas Line	mm	Φ31.75	Φ31.75	Φ31.75	Φ31.75	Φ38.1
	Liquid Line	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05
Max. number of connectable IDU			47	50	53	56	59
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level		dB(A)	62	62	62	63	63
Operation Range	Cooling	℃ DB	-5~52	-5~52	-5~52	-5~52	-5~52
	Heating	℃ WB	-23~19	-23~19	-23~19	-23~19	-23~19

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.

38/40/42HP

Hi-FLEXi G Series		HP	38HP	40HP	42HP
Model Power Supply	AC3Φ380 ~ 415V/50Hz		AVWT-364UESZG	AVWT-382UESZG	AVWT-398UESZG
	AC3Φ380V/60Hz		AVWT-364U7SZG	AVWT-382U7SZG	AVWT-398U7SZG
Combination			AVWT-114U* AVWT-114U* AVWT-136U*	AVWT-114U* AVWT-114U* AVWT-154U*	AVWT-114U* AVWT-114U* AVWT-170U*
Cooling Operation	Nominal Capacity	kW	109.0	112.0	118.0
		KBtu/h	372.0	382.3	402.7
	Power Consumption	kW	28.43	30.58	32.52
	EER		3.83	3.66	3.63
Heating Opeartion	Nominal Capacity	kW	118.0	125.0	132.0
		KBtu/h	402.7	426.6	450.5
	Power Consumption	kW	29.71	31.11	33.37
	COP		3.97	4.02	3.96
Air Flow Rate		m³/h	32,700	32,700	32,700
Outer Dimension (H×W×D)		mm	1,720×(950+950+1,210)×750	1,720×(950+950+1,210)×750	1,720×(950+950+1,210)×750
Packing Dimension (H×W×D)		mm	-	-	-
Net Weight		Kg	227+227+312	227+227+315	227+227+318
Gross Weight		Kg	240+240+327	240+240+330	240+240+333
Compressor Quantity			4	4	4
Condenser Fan Quantity			3	3	3
Cabinet Color			Ivory White		
Refrigerant Piping	Gas Line	mm	Φ38.1	Φ38.1	Φ38.1
	Liquid Line	mm	Φ19.05	Φ19.05	Φ19.05
Max. number of connectable IDU			64	64	64
Max. Piping Length		m	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)
Noise Level		dB(A)	64	64	64
Operation Range	Cooling	℃ DB	-5~52	-5~52	-5~52
	Heating	℃ WB	-23~19	-23~19	-23~19

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.

Outdoor Unit Specifications

44/46/48HP

Hi-FLEXi G Series		HP	44HP	46HP	48HP
Model Power Supply	AC3Φ380～415V/50Hz		AVWT-420UESZG	AVWT-438UESZG	AVWT-454UESZG
	AC3Φ380V/60Hz		AVWT-420U7SZG	AVWT-438U7SZG	AVWT-454U7SZG
Combination			AVWT-114U* AVWT-136U* AVWT-170U*	AVWT-114U* AVWT-154U* AVWT-170U*	AVWT-114U* AVWT-170U* AVWT-170U*
Cooling Operation	Nominal Capacity	kW	125.0	132.0	136.0
		KBtu/h	426.6	450.5	464.2
	Power Consumption	kW	34.84	36.91	38.83
	EER		3.59	3.58	3.50
Heating Opeartion	Nominal Capacity	kW	140.0	145.0	150.0
		KBtu/h	477.8	494.9	511.9
	Power Consumption	kW	35.06	36.51	38.80
	COP		3.99	3.97	3.87
Air Flow Rate		m³/h	33,900	33,900	33,900
Outer Dimension (H×W×D)		mm	1,720×(950+1,210+1,210)×750	1,720×(950+1,210+1,210)×750	1,720×(950+1,210+1,210)×750
Packing Dimension (H×W×D)		mm	-	-	-
Net Weight		Kg	227+312+318	227+315+318	227+318+318
Gross Weight		Kg	240+327+333	240+330+333	240+333+333
Compressor Quantity			5	5	5
Condenser Fan Quantity			3	3	3
Cabinet Color			Ivory White		
Refrigerant Piping	Gas Line	mm	Φ38.1	Φ38.1	Φ38.1
	Liquid Line	mm	Φ19.05	Φ19.05	Φ19.05
Max. number of connectable IDU			64	64	64
Max. Piping Length		m	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)
Noise Level		dB(A)	64	64	65
Operation Range	Cooling	℃ DB	-5~52	-5~52	-5~52
	Heating	℃ WB	-23~19	-23~19	-23~19

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length: 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.

50/52/54HP

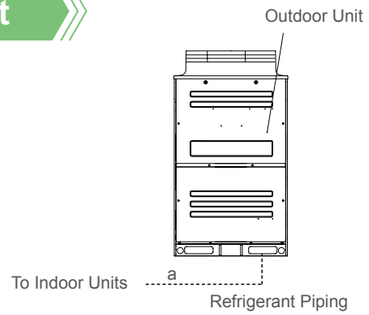
Hi-FLEXi G Series		HP	50HP	52HP	54HP
Model Power Supply	AC3Φ380～415V/50Hz		AVWT-476UESZG	AVWT-494UESZG	AVWT-510UESZG
	AC3Φ380V/60Hz		AVWT-476U7SZG	AVWT-494U7SZG	AVWT-510U7SZG
Combination			AVWT-136U* AVWT-170U* AVWT-170U*	AVWT-154U* AVWT-170U* AVWT-170U*	AVWT-170U* AVWT-170U* AVWT-170U*
Cooling Operation	Nominal Capacity	kW	140.0	145.0	150.0
		KBtu/h	477.8	494.9	511.9
	Power Consumption	kW	41.21	43.32	45.33
	EER		3.40	3.35	3.31
Heating Opeartion	Nominal Capacity	kW	155.0	160.0	165.0
		KBtu/h	529.0	546.1	563.1
	Power Consumption	kW	40.36	41.86	44.16
	COP		3.84	3.82	3.74
Air Flow Rate		m³/h	35,100	35,100	35,100
Outer Dimension (H×W×D)		mm	1,720×(1,210+1,210+1,210)×750	1,720×(1,210+1,210+1,210)×750	1,720×(1,210+1,210+1,210)×750
Packing Dimension (H×W×D)		mm	-	-	-
Net Weight		Kg	312+318+318	315+318+318	318+318+318
Gross Weight		Kg	327+333+333	330+333+333	333+333+333
Compressor Quantity			6	6	6
Condenser Fan Quantity			3	3	3
Cabinet Color			Ivory White		
Refrigerant Piping	Gas Line	mm	Φ38.1	Φ38.1	Φ38.1
	Liquid Line	mm	Φ19.05	Φ19.05	Φ19.05
Max. number of connectable IDU			64	64	64
Max. Piping Length		m	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)
Noise Level		dB(A)	65	65	65
Operation Range	Cooling	℃ DB	-5~52	-5~52	-5~52
	Heating	℃ WB	-23~19	-23~19	-23~19

Notes:

1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
   Cooling conditions: indoor air inlet temperature: 27℃ DB 19℃ WB, Outdoor air inlet temperature: 35℃ DB, pipe length : 7.5m, pipe height difference: 0m
   Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height difference : 0m
2. The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
3. The final appearance of outdoor units is subject to the actual products.
4. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.

Pipe Diameter for Outdoor Unit

Piping Size for AVWT-76UE(7)SRG to AVWT-170UE(7)SSG (Base Unit)



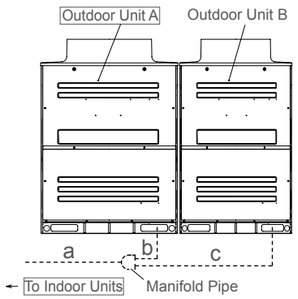
(Φmm)

Model			AVWT-76UE(7)SRG	AVWT-96UE(7)SRG	AVWT-114UE(7)SRG	AVWT-136UE(7)SSG	AVWT-154UE(7)SSG	AVWT-170UE(7)SSG
Piping Size	a	Gas	19.05	22.2	25.4	25.4	28.6	28.6
		Liquid	9.53	9.53	12.7	12.7	12.7	15.88

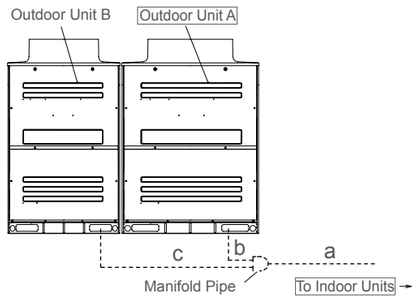
Piping Size for AVWT-190UE(7)SZG to AVWT-340UE(7)SZG (2 Units Combination)

< Figure for AVWT-232UE(7)SZG >

(Indoor Unit on Left Side)



(Indoor Unit on Right Side)



(Φmm)

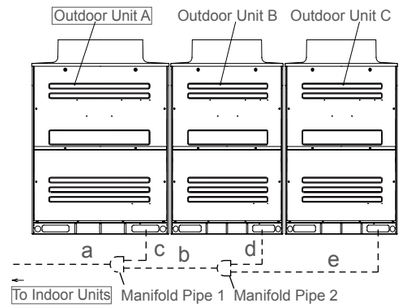
Model			AVWT-190*	AVWT-212*	AVWT-232*	AVWT-250*	AVWT-272*	AVWT-290*	AVWT-308*	AVWT-324*	AVWT-340*
Combination Unit	Outdoor Unit A		AVWT-76*	AVWT-76*	AVWT-96*	AVWT-114*	AVWT-136*	AVWT-136*	AVWT-154*	AVWT-154*	AVWT-170*
	Outdoor Unit B		AVWT-114*	AVWT-136*	AVWT-136*	AVWT-136*	AVWT-136*	AVWT-154*	AVWT-154*	AVWT-170*	AVWT-170*
Manifold Pipe			HFQ-M22F			HFQ-M32F					
Piping Size	a	Gas	28.6	28.6	28.6	31.75	31.75	31.75	31.75	31.75	38.1
		Liquid	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05
	b	Gas	25.4	25.4	25.4	25.4	25.4	28.6	28.6	28.6	28.6
		Liquid	12.7	12.7	12.7	12.7	12.7	12.7	12.7	15.88	15.88
	c	Gas	19.05	19.05	22.2	25.4	25.4	25.4	28.6	28.6	28.6
		Liquid	9.53	9.53	9.53	12.7	12.7	12.7	12.7	12.7	15.88

* Perform the installation of the outdoor unit and piping connection according to the figure.
Refer to the table for the outdoor unit model, the manifold pipe model and the piping diameter.

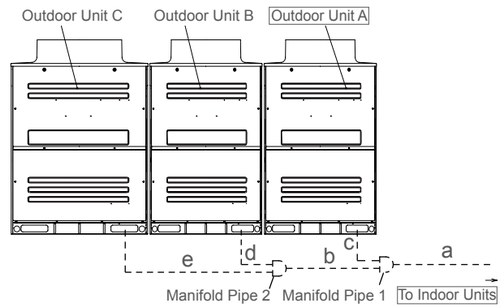
Piping Size for AVWT-364UE(7)SZG to AVWT-510UE(7)SZG (Triple Units Combination)

< Figure for AVWT-364UE(7)SZG >

(Indoor Unit on Left Side)



(Indoor Unit on Right Side)



(Φmm)

Model			AVWT-364*	AVWT-382*	AVWT-398*	AVWT-420*	AVWT-438*	AVWT-454*	AVWT-476*	AVWT-494*	AVWT-510*
Combination Unit	Outdoor Unit A		AVWT-114*	AVWT-114*	AVWT-114*	AVWT-114*	AVWT-114*	AVWT-114*	AVWT-136*	AVWT-154*	AVWT-170*
	Outdoor Unit B		AVWT-114*	AVWT-114*	AVWT-114*	AVWT-136*	AVWT-154*	AVWT-170*	AVWT-170*	AVWT-170*	AVWT-170*
	Outdoor Unit C		AVWT-136*	AVWT-154*	AVWT-170*	AVWT-170*	AVWT-170*	AVWT-170*	AVWT-170*	AVWT-170*	AVWT-170*
Manifold Pipe			HFQ-M32F+HFQ-M32F								
Piping Size	a	Gas	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
		Liquid	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	b	Gas	28.6	28.6	28.6	31.75	31.75	31.75	31.75	31.75	31.75
		Liquid	15.88	15.88	15.88	19.05	19.05	19.05	19.05	19.05	19.05
	c	Gas	25.4	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
		Liquid	12.7	12.7	15.88	15.88	15.88	15.88	15.88	15.88	15.88
	d	Gas	25.4	25.4	25.4	25.4	28.6	28.6	28.6	28.6	28.6
		Liquid	12.7	12.7	12.7	12.7	12.7	15.88	15.88	15.88	15.88
	e	Gas	25.4	25.4	25.4	25.4	25.4	25.4	25.4	28.6	28.6
		Liquid	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	15.88

* Perform the installation of the outdoor unit and piping connection according to the figure.
Refer to the table for the outdoor unit model, the manifold pipe model and the piping diameter.

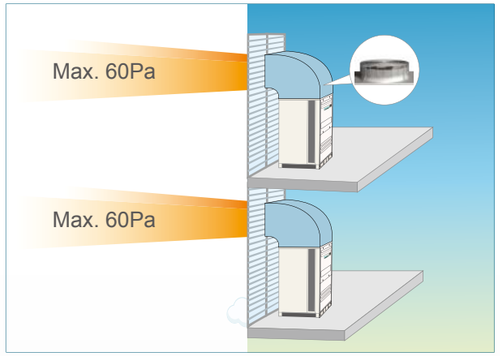
Hi-FLEXi M Series

DC Inverter-driven Compressor

Hisense VRF Hi-FLEXi M Series inverter air conditioning system adopt high efficiency scroll compressor and leading frequency inverter control technology, realizing significant improvement in operation efficiency under partial load.

- High efficiency inverter + fixed compressor
- Leading inverter control technology
- Small volume and light weight, save transport and installation space
- Intelligent control system

Extra-high External Static Pressure Design

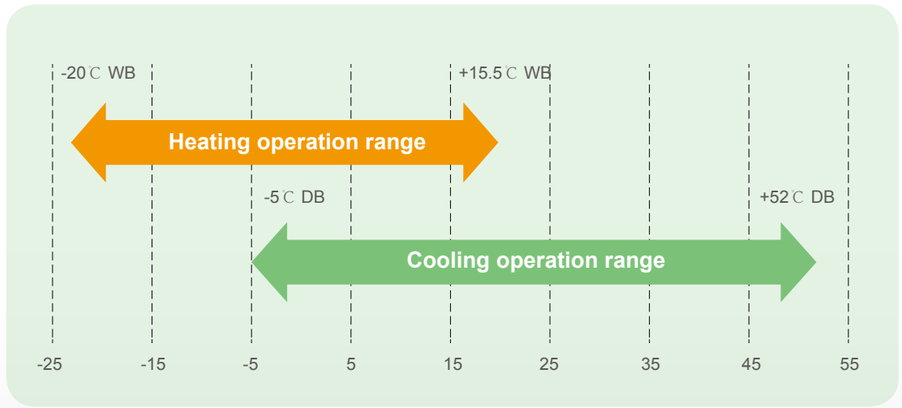


- Adopt high-efficiency DC fan motor
- The use of high-efficiency fan reduces energy consumption of the motor
- Can achieve industry-leading level of external static pressure 60Pa

The efficient axial fan is designed adopting CFD, finite element method, aviation dynamic fluid simulation analysis and other advanced concepts; its air inlet angle and outlet angle are optimized; together with unique horn air vent design, the external static pressure of outdoor unit is higher, which can better exhaust air and ensure smooth air flow.

Wide Operating Range

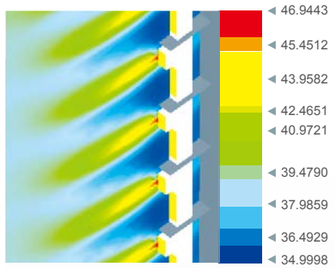
The system can run within a wide temperature range, the lowest heating operation can reach -20℃ WB, ensure a good heating effect in winter.



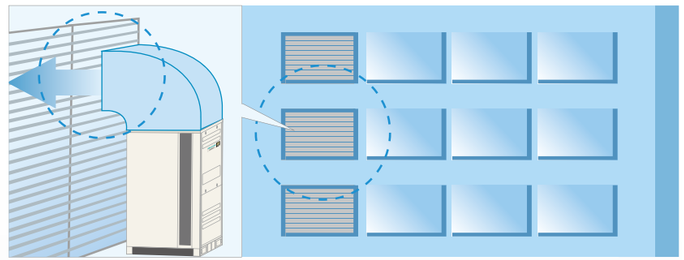
Layered Installation, Flexibly Corresponding to High-rise Buildings

For high-rise buildings, crawl space can be left to place outdoor units, or machine room can be set up on each floor. By using exhaust duct to exhaust the air, short circuit of return air can be avoided with long exhaust distance, which ensures good ventilation and heat exchange effects of outdoor units.

Temperature ℃



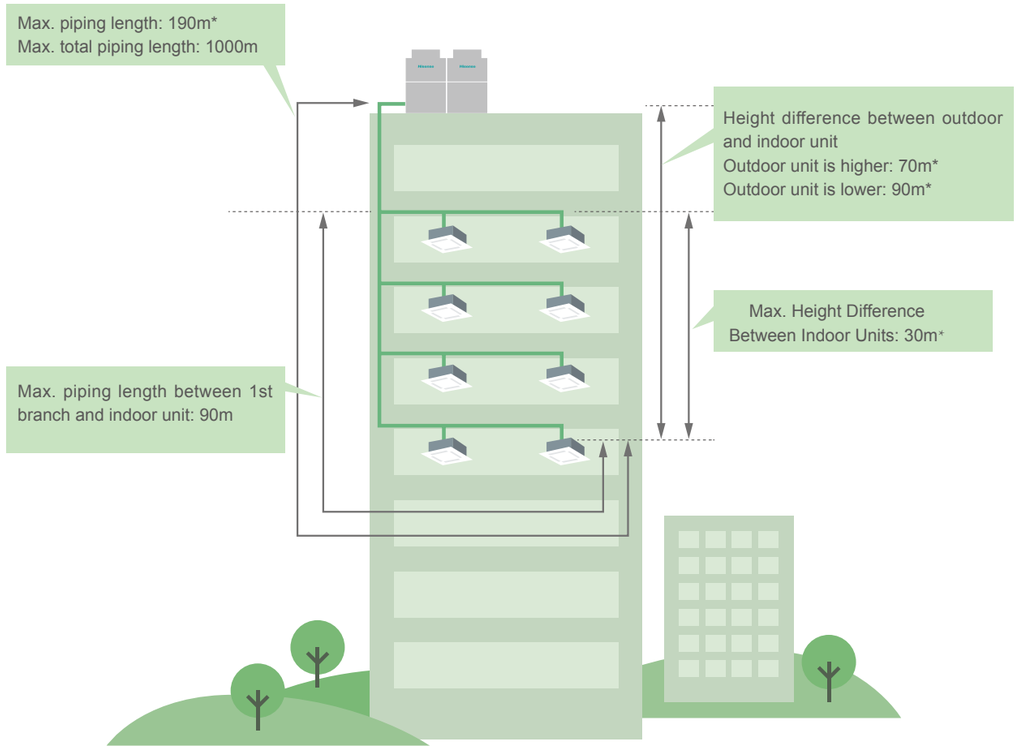
Airflow Schematic



Exhaust duct installation

Layered installation effect picture

More Flexible Refrigerant Piping Work



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

Outdoor Unit Specifications

Hi-FLEXi M Series		HP	8HP	10HP	12HP	14HP	16HP
Model Power Supply	AC3Φ380～415V/50Hz		AVWT-86U6SR	AVWT-96U6SR	AVWT-114U6SR	AVWT-136U6SS	AVWT-154U6SS
	AC3Φ380V/60Hz		AVWT-86U7SR	AVWT-96U7SR	AVWT-114U7SR	AVWT-136U7SS	AVWT-154U7SS
	AC3Φ220V/60Hz		AVWT-86U9SR	AVWT-96U9SR	AVWT-114U9SR	AVWT-136U9SS	AVWT-154U9SS
Cooling Operation	Nominal Capacity	kW	25.2	28	33.5	40	45
		KBtu/h	86.0	95.5	114.3	136.5	153.5
	Power Consumption	kW	6.36	7.65	10.18	12.31	13.93
	EER		3.96	3.66	3.29	3.25	3.23
Heating Opeartion	Nominal Capacity	kW	27	31.5	37.5	45	50
		KBtu/h	92.1	107.5	128.0	153.5	170.6
	Power Consumption	kW	6.54	7.76	10.12	11.55	12.82
	COP		4.13	4.06	3.71	3.90	3.90
Air Flow Rate		m³/h	9,300	10,200	10,500	11,700	11,700
Outer Dimension (H×W×D)		mm	1,720×950×750			1,720×1,210×750	
Packing Dimension (H×W×D)		mm	1,890×1,000×810	1,890×1,000×810	1,890×1,000×810	1,890×1,260×810	1,890×1,260×810
Net Weight		Kg	223	225	228	295	310
Gross Weight		Kg	235	237	255	310	325
Compressor Quantity			1	1	1	2	2
Condenser Fan Quantity			1	1	1	1	1
Cabinet Color			Ivory White			Ivory White	
Refrigerant Piping	Gas Line	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6
	Liquid Line	mm	Φ9.53	Φ9.53	Φ12.7	Φ12.7	Φ12.7
Max.number of connectable IDU			13	16	19	23	26
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level		dB(A)	58	58	60	60	62
Operation Range	Cooling	℃DB	-5~52	-5~52	-5~52	-5~52	-5~52
	Heating	℃WB	-20~15.5	-20~15.5	-20~15.5	-20~15.5	-20~15.5

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 is based on the following conditions.1 Meter from the unit service cover surface, and 1.5 Meter from floor level. The above data is based on the cooling mode. In case of heating mode, the sound pressure level increases by approximately 1~2dB. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table, there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.
5. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.

Outdoor Unit Specifications

18/20HP

22/24/26HP

Hi-FLEXi M Series		HP	18HP	20HP	22HP	24HP	26HP
Model Power Supply	AC3Φ380～415V/50Hz		AVWT-182U6SZ	AVWT-190U6SZ	AVWT-210U6SZ	AVWT-232U6SZ	AVWT-250U6SZ
	AC3Φ380V/60Hz		AVWT-182U7SZ	AVWT-190U7SZ	AVWT-210U7SZ	AVWT-232U7SZ	AVWT-250U7SZ
	AC3Φ220V/60Hz		AVWT-182U9SZ	AVWT-190U9SZ	AVWT-210U9SZ	AVWT-232U9SZ	AVWT-250U9SZ
Combination			AVWT-86U* AVWT-96U*	AVWT-96U* AVWT-96U*	AVWT-86U* AVWT-136U*	AVWT-96U* AVWT-136U*	AVWT-114U* AVWT-136U*
Cooling Operation	Nominal Capacity	kW	53.2	56	61.5	68	73
		KBtu/h	181.5	191.1	209.8	232.0	249.1
	Power Consumption	kW	14.01	15.3	18.67	19.96	22.49
	EER		3.80	3.66	3.29	3.41	3.25
Heating Opeartion	Nominal Capacity	kW	58.5	63	69	76.5	81.5
		KBtu/h	199.6	215.0	235.4	261.0	278.1
	Power Consumption	kW	14.3	15.52	18.09	19.31	21.67
	COP		4.09	4.06	3.98	3.96	3.81
Air Flow Rate		m^3/h	19,500	20,400	21,000	21,900	22,200
Outer Dimension (H×W×D)		mm	1,720×（950+950）×750		1,720×（950+1,210）×750		
Packing Dimension (H×W×D)		mm	---	---	---	---	---
Net Weight		Kg	223+225	225+225	223+295	225+295	225+295
Gross Weight		Kg	235+237	237×2	235+310	237+310	255+310
Compressor Quantity			2	2	3	3	3
Condenser Fan Quantity			2	2	2	2	2
Cabinet Color			Ivory White		Ivory White		
Refrigerant Piping	Gas Line	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6	Φ31.75
	Liquid Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ19.05
Max. number of connectable IDU			26	33	36	40	43
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level		dB(A)	61	61	62	63	63
Operation Range	Cooling	℃ DB	-5~52	-5~52	-5~52	-5~52	-5~52
	Heating	℃ WB	-20~15.5	-20~15.5	-20~15.5	-20~15.5	-20~15.5

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 is based on the following conditions.1 Meter from the unit service cover surface, and 1.5 Meter from floor level. The above data is based on the cooling mode. In case of heating mode, the sound pressure level increases by approximately 1~2dB. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table, there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.
5. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.

28/30/32HP

Hi-FLEXi M Series		HP	28HP	30HP	32HP
Model Power Supply	AC3Φ380～415V/50Hz		AVWT-272U6SZ	AVWT-290U6SZ	AVWT-307U6SZ
	AC3Φ380V/60Hz		AVWT-272U7SZ	AVWT-290U7SZ	AVWT-307U7SZ
	AC3Φ220V/60Hz		AVWT-272U9SZ	AVWT-290U9SZ	AVWT-307U9SZ
Combination			AVWT-136U* AVWT-136U*	AVWT-136U* AVWT-154U*	AVWT-154U* AVWT-154U*
Cooling Operation	Nominal Capacity	kW	78.5	85	90
		KBtu/h	267.8	290.0	307.1
	Power Consumption	kW	24.62	26.24	27.86
	EER		3.17	3.24	3.23
Heating Opeartion	Nominal Capacity	kW	87.5	95	100
		KBtu/h	298.6	324.1	341.2
	Power Consumption	kW	23.1	24.37	25.64
	COP		3.90	3.90	3.90
Air Flow Rate		m^3/h	23,400	23,400	23,400
Outer Dimension (H×W×D)		mm	1,720x(1,210+1,210)x750		
Packing Dimension (H×W×D)		mm	---	---	---
Net Weight		Kg	295+295	295+310	310+310
Gross Weight		Kg	310+310	310+325	325+325
Compressor Quantity			4	4	4
Condenser Fan Quantity			2	3	3
Cabinet Color			Ivory White		
Refrigerant Piping	Gas Line	mm	Φ31.75	Φ31.75	Φ31.75
	Liquid Line	mm	Φ19.05	Φ19.05	Φ19.05
Max. number of connectable IDU			47	50	53
Max. Piping Length		m	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)
Noise Level		dB(A)	63	63	63
Operation Range	Cooling	℃ DB	-5~52	-5~52	-5~52
	Heating	℃ WB	-20~15.5	-20~15.5	-20~15.5

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 is based on the following conditions.1 Meter from the unit service cover surface, and 1.5 Meter from floor level. The above data is based on the cooling mode. In case of heating mode, the sound pressure level increases by approximately 1~2dB. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table, there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.
5. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.

Outdoor Unit Specifications

34/36/38/40HP

42/44HP 46/48HP

Hi-FLEXi M Series		HP	34HP	36HP	38HP	40HP
Model Power Supply	AC3Φ380～415V/50Hz		AVWT-328U6SZ	AVWT-345U6SZ	AVWT-365U6SZ	AVWT-386U6SZ
	AC3Φ380V/60Hz		AVWT-328U7SZ	AVWT-345U7SZ	AVWT-365U7SZ	AVWT-386U7SZ
	AC3Φ220V/60Hz		AVWT-328U9SZ	AVWT-345U9SZ	AVWT-365U9SZ	AVWT-386U9SZ
Combination			AVWT-86U* AVWT-96U* AVWT-154U*	AVWT-96U* AVWT-96U* AVWT-154U*	AVWT-114U* AVWT-114U* AVWT-136U*	AVWT-114U* AVWT-114U* AVWT-154U*
Cooling Operation	Nominal Capacity	kW	96	101	106.5	113
		KBtu/h	327.6	344.6	365.1	385.6
	Power Consumption	kW	27.94	29.23	32.67	34.29
	EER		3.51	3.46	3.28	3.30
Heating Opeartion	Nominal Capacity	kW	108	113	119	126.5
		KBtu/h	368.5	385.6	406	431.6
	Power Consumption	kW	27.12	28.34	31.79	33.06
	COP		3.98	3.99	3.77	3.78
Air Flow Rate		m³/h	31,200	32,100	32,700	32,700
Outer Dimension (H×W×D)		mm	1,720x(950+950+1,210)x750			
Packing Dimension (H×W×D)		mm	---	---	---	---
Net Weight		Kg	208+210+310	225+225+310	228+228+295	228+228+310
Gross Weight		Kg	235+237+325	237+237+325	255+255+310	255+255+325
Compressor Quantity			4	4	4	4
Condenser Fan Quantity			3	3	3	3
Cabinet Color			Ivory White			
Refrigerant Piping	Gas Line	mm	Φ31.75	Φ38.1	Φ38.1	Φ38.1
	Liquid Line	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
Max. number of connectable IDU			56	59	64	64
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level		dB(A)	64	64	64	64
Operation Range	Cooling	℃ DB	-5~52	-5~52	-5~52	-5~52
	Heating	℃ WB	-20~15.5	-20~15.5	-20~15.5	-20~15.5

Hi-FLEXi M Series		HP	42HP	44HP	46HP	48HP
Model Power Supply	AC3Φ380～415V/50Hz		AVWT-402U6SZ	AVWT-426U6SZ	AVWT-444U6SZ	AVWT-460U6SZ
	AC3Φ380V/60Hz		AVWT-402U7SZ	AVWT-426U7SZ	AVWT-444U7SZ	AVWT-460U7SZ
	AC3Φ220V/60Hz		AVWT-402U9SZ	AVWT-426U9SZ	AVWT-444U9SZ	AVWT-460U9SZ
Combination			AVWT-114U* AVWT-136U* AVWT-154U*	AVWT-114U* AVWT-154U* AVWT-154U*	AVWT-136U* AVWT-154U* AVWT-154U*	AVWT-154U* AVWT-154U* AVWT-154U*
Cooling Operation	Nominal Capacity	kW	118	123.5	130	135
		KBtu/h	402.6	421.4	443.6	460.6
	Power Consumption	kW	36.42	38.04	40.17	41.79
	EER		3.24	3.25	3.24	3.23
Heating Opeartion	Nominal Capacity	kW	131.5	137.5	145	150
		KBtu/h	448.7	469.2	494.7	511.8
	Power Consumption	kW	34.49	35.76	37.19	38.46
	COP		3.84	3.85	3.90	3.90
Air Flow Rate		m³/h	33,900	33,900	35,100	35,100
Outer Dimension (H×W×D)		mm	1,720×(950+1,210+1,210)×750		1,720×(1,210+1,210+1,210)×750	
Packing Dimension (H×W×D)		mm	---	---	---	---
Net Weight		Kg	228+295+310	228+310+310	295+310+310	310+310+310
Gross Weight		Kg	255+310+325	255+325+325	310+325+325	325+325+325
Compressor Quantity			6	6	6	6
Condenser Fan Quantity			3	3	3	3
Cabinet Color			Ivory White			
Refrigerant Piping	Gas Line	mm	Φ38.1	Φ38.1	Φ38.1	Φ38.1
	Liquid Line	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
Max. number of connectable IDU			64	64	64	64
Max. Piping Length		m	165(190*)	165(190*)	165(190*)	165(190*)
Height Difference	Between ODU&IDU	m	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)	50(70*)/40(90*)
	Between IDUs	m	15(30*)	15(30*)	15(30*)	15(30*)
Noise Level		dB(A)	64	64	65	65
Operation Range	Cooling	℃ DB	-5~52	-5~52	-5~52	-5~52
	Heating	℃ WB	-20~15.5	-20~15.5	-20~15.5	-20~15.5

Notes:

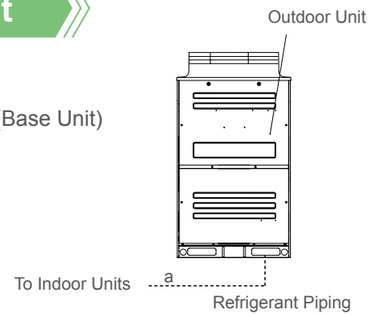
1. The nominal cooling capacity and heating capacity are based on following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27℃ DB(80°F DB), 19.0℃ WB(66.2°F WB)
   Outdoor Air Inlet Temperature: 35℃ DB(95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
   Heating 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 is based on the following conditions.1 Meter from the unit service cover surface, and 1.5 Meter from floor level. The above data is based on the cooling mode. In case of heating mode, the sound pressure level increases by approximately 1~2dB. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table, there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.
5. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.

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 is based on the following conditions.1 Meter from the unit service cover surface, and 1.5 Meter from floor level. The above data is based on the cooling mode. In case of heating mode, the sound pressure level increases by approximately 1~2dB. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. Except for the specified combination in the table, there is no other combination of the base unit.
4. The width of outer dimension, it is the value when each distance between the base outdoor units is specified to 20mm.
5. For Max. pipe length more than 165m, height difference between ODU&IDU more than 50(40)m or height difference between IDUs more than 15m, please contact with our professinal engineer.

Pipe Diameter for Outdoor Unit

Piping Size for AVWT-86U6(7)SR to AVWT-154U6(7)SS (Base Unit)

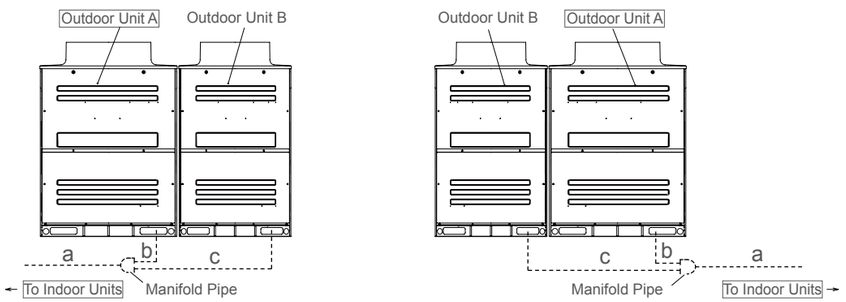


(Φmm)

Model			AVWT-86U6(7)SR	AVWT-96U6(7)SR	AVWT-114U6(7)SR	AVWT-136U6(7)SS	AVWT-154U6(7)SS
Piping Size	a	Gas	19.05	22.2	25.4	25.4	28.6
		Liquid	9.53	9.53	12.7	12.7	12.7

Piping Size for AVWT-182U6(7)SZ to AVWT-307U6(7)SZ(2 Units Combination)

< Figure for AVWT-232UE(7)SZ >



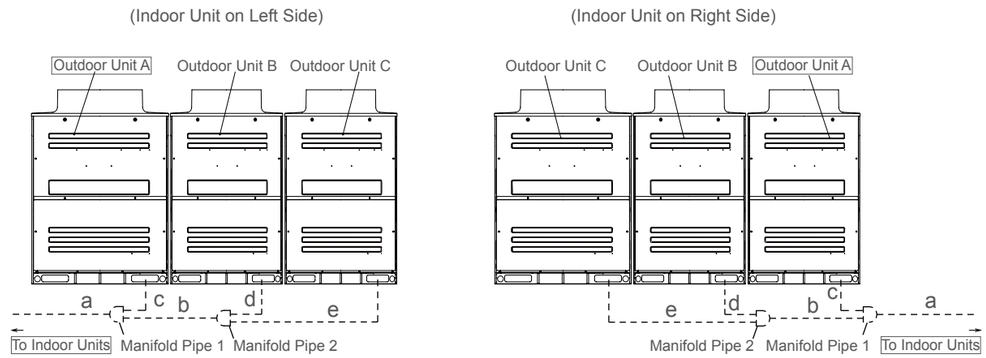
(Φmm)

Model			AVWT-182*	AVWT-190*	AVWT-210*	AVWT-232*	AVWT-250*	AVWT-272*	AVWT-290*	AVWT-307*
Combination Unit	Outdoor Unit A		AVWT-96*	AVWT-96*	AVWT-136*	AVWT-136*	AVWT-136*	AVWT-136*	AVWT-154*	AVWT-154*
	Outdoor Unit B		AVWT-86*	AVWT-96*	AVWT-86*	AVWT-96*	AVWT-114*	AVWT-136*	AVWT-136*	AVWT-154*
Manifold Pipe			HFQ-M22F			HFQ-M32F				
Piping Size	a	Gas	28.6	28.6	28.6	28.6	31.75	31.75	31.75	31.75
		Liquid	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05
	b	Gas	22.2	22.2	25.4	25.4	25.4	25.4	28.6	28.6
		Liquid	9.53	9.53	12.7	12.7	12.7	12.7	12.7	12.7
	c	Gas	19.05	22.2	19.05	22.2	25.4	25.4	25.4	28.6
		Liquid	9.53	9.53	9.53	9.53	12.7	12.7	12.7	12.7

* Perform the installation of the outdoor unit and piping connection according to the figure.
Refer to the table for the outdoor unit model, the manifold pipe model and the piping diameter.

Piping Size for AVWT-328U6(7)SZ to AVWT-460U6(7)SZ(Triple Units Combination)

< Figure for AVWT-365U6(7)SZ >



(Φmm)

Model			AVWT-328*	AVWT-345*	AVWT-365*	AVWT-386*	AVWT-402*	AVWT-426*	AVWT-444*	AVWT-460*
Combination Unit	Outdoor Unit A		AVWT-154*	AVWT-154*	AVWT-136*	AVWT-154*	AVWT-154*	AVWT-154*	AVWT-154*	AVWT-154*
	Outdoor Unit B		AVWT-96*	AVWT-96*	AVWT-114*	AVWT-114*	AVWT-136*	AVWT-154*	AVWT-154*	AVWT-154*
	Outdoor Unit C		AVWT-86*	AVWT-96*	AVWT-114*	AVWT-114*	AVWT-114*	AVWT-114*	AVWT-136*	AVWT-154*
Manifold Pipe			HFQ-M22F + HFQ-M32F				HFQ-M32F + HFQ-M32F			
Piping Size	a	Gas	31.75	38.1	38.1	38.1	38.1	38.1	38.1	38.1
		Liquid	19.05	19.05	19.05	19.05	19.05	19.05	19.05	19.05
	b	Gas	28.6	28.6	28.6	28.6	31.75	31.75	31.75	31.75
		Liquid	15.88	15.88	15.88	15.88	19.05	19.05	19.05	19.05
	c	Gas	28.6	28.6	25.4	28.6	28.6	28.6	28.6	28.6
		Liquid	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
	d	Gas	22.2	22.2	25.4	25.4	25.4	28.6	28.6	28.6
		Liquid	9.53	9.53	12.7	12.7	12.7	12.7	12.7	12.7
	e	Gas	19.05	22.2	25.4	25.4	25.4	25.4	25.4	28.6
		Liquid	9.53	9.53	12.7	12.7	12.7	12.7	12.7	12.7

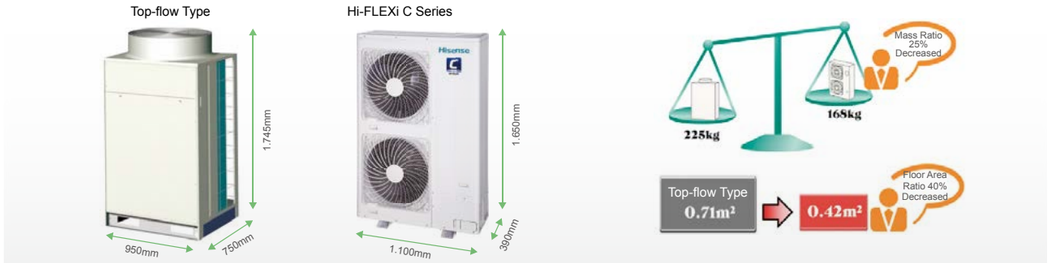
* Perform the installation of the outdoor unit and piping connection according to the figure.
Refer to the table for the outdoor unit model, the manifold pipe model and the piping diameter.

Hi-FLEXi C Series

- DC inverter-driven compressor
- Low noise technologies
- Compact and lightweight design
- Long refrigerant pipe and drop

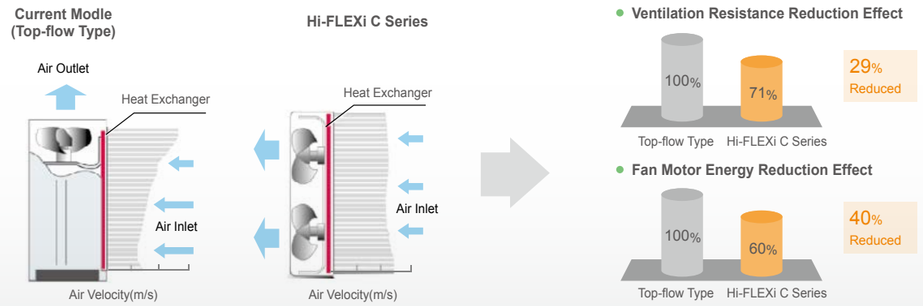
Top-class Compact and Light Weight Design

Facilitation and flexibility at installation are further advanced by adopting outdoor units light weight and compact design compared to the current top-flow model.



Technology to Improve Heat Exchanger Performance

In the Hi-FLEXi C series model, wind speed distribution is rendered uniform by making the direction of the wind flow same to the fan and the heat exchanger. As a result, the performance of the heat exchanger is optimized and energy is saved.



Low Noise Technologies

DC Fan Motor

The smooth rotating fan motor with low vibration reduces the noise level.

Super High-stream Fan

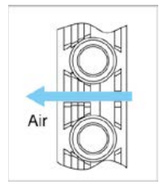
Supper high-stream fan of Φ544mm cuts down the noise level.

Low Pressure Loss Air Outlet Grille

The rib structure synchronized with rotation flow from the fan reduces the air resistance at the air outlet grille.

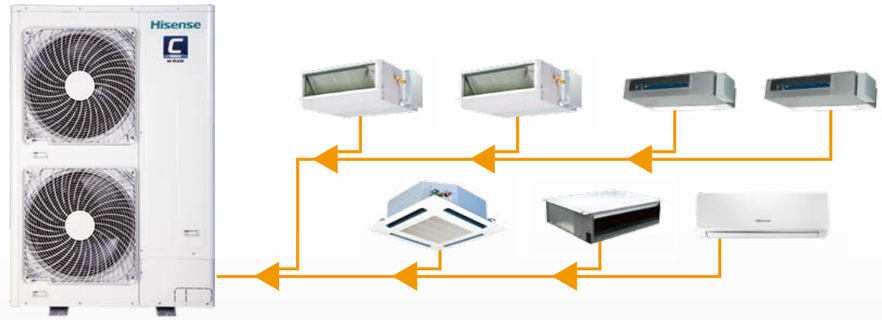
New Fin with Less Pressure Loss

The draft resistance is reduced by 20%. Both high-efficiency and low noise operation are simultaneously satisfied.



Various Model Types Easily Match Different Layout

Wide capacity range of outdoor units enables free model combination of indoor units according to the actual situation of building. There are 12 types of indoor units for selection. Designer can choose the appropriate type and capacity of indoor units according to the interior decoration and furnitures.

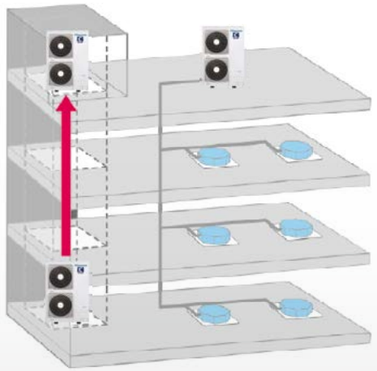


Greater Convenience During Delivery and Installation

- With light and compact body, the Hi-FLEXi C Series can be easily carried in the elevator even in a small urban site.
- No cranes required for delivery

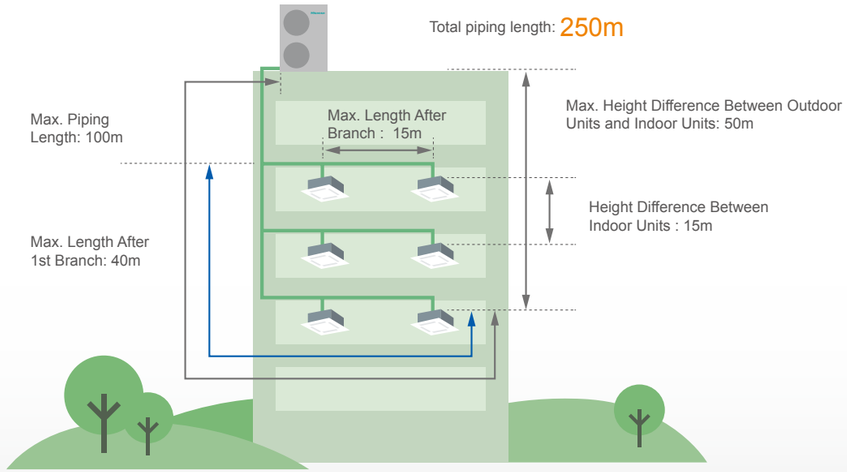
- The unit can be carried at one time. Elevators can be used for delivery.

Light and compact body facilitates renewal



Long Piping Design

- Total piping length: **250m**
- Max. piping length: **100m**
- Max. length after first branch : **40m**
- Max. length after branch : **15m**
- Height difference between indoor units : **15m**
- Max. height difference between outdoor and indoor units: **50m** (when outdoor units are higher than indoor units)
- Max. height difference between outdoor and indoor units: **40m** (when outdoor units are lower than indoor units)



Outdoor Unit Specifications

Hi-FLEXi C		HP	8HP	10HP	12HP
Model Power Supply	AC3Φ380~415V/50Hz		AVW-76UESR	AVW-96UESR	AVW-114UESR
	AC3Φ380V/60Hz		AVW-76U7SR	AVW-96U7SR	AVW-114U7SR
	AC3Φ220V/60Hz		AVW-76U9SR	AVW-96U9SR	AVW-114U9SR
Cooling Operation	Nominal Capacity	kW	22.4	28.0	33.5
		KBtu/h	76.5	95.6	114.3
	Consumption Power	kW	6.3	8.3	10.7
	EER		3.6	3.4	3.1
Heating	Nominal Capacity	kW	25.0	31.5	37.5
		KBtu/h	85.3	107.5	128.0
	Consumption Power	kW	5.9	7.8	9.9
	COP		4.2	4.0	3.8
Air Flow Rate		m^3/h	7,260	9,000	9,780
Outer Dimension (H×W×D)		mm	1,650x1,100x390		
Packing Dimension (H×W×D)		mm	1,748x1,151x500		
Net Weight		kg	168	168	171
Gross Weight		kg	179	179	182
Refrigerant piping	Gas Line	mm	Φ19.05	Φ22.2	Φ25.4
	Liquid Line	mm	Φ9.53	Φ12.7	Φ12.7
Max. number of connectable IDU			10	10	10
Max. Piping Length		m	100	100	100
Height Difference	Between ODU & IDU	m	50(40)	50(40)	50(40)
	Between IDUs	m	15	15	15
Noise Level		dB(A)	53/55	56/58	56/61
Operation Range	Cooling	℃ DB	-5 ～ 48*		
	Heating	℃ WB	-20 ～ 15		

Notes:

1.The nominal cooling heating capacities show the capacities when the outdoor unit is operated with the100% rating of indoor units,and are based on the standard JIS B8616.

Cooling Operation Conditions
Indoor Air Inlet Temperature:27℃ DB(80° F DB)
*1):19.5℃ WB(67° F WB)
*2):19.0℃ WB(66.2° F WB)
Outdoor Air Inlet Temperature:35℃ DB(95° F DB)
Piping Length: 7.5Meters Piping Lift: 0Meter

Heating Operation Conditions
Indoor Air Inlet Temperature:20℃ DB(68° F DB)
Outdoor Air Inlet Temperature:7℃ DB(95° F DB)
6℃ WB(95° F WB)

2. The sound pressure level is based on following conditions: 1.5Meters from floor Level,and 1 Meter from the unitservice cover surface.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. For height differences between ODU&IDU more than 50(40) or height differences between IDUs more than 15, please contact with our engineer.
4. When the cooling operation temperature is over 43℃, please contact with our professional engineer.

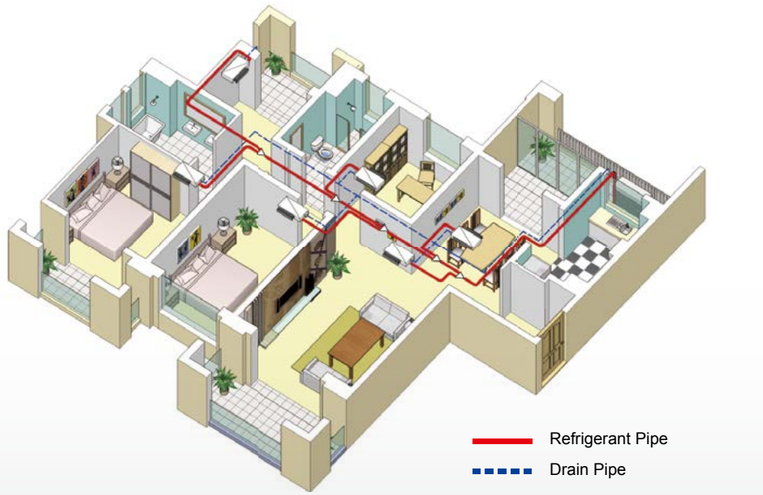
Hi-Smart L Series

Hisense Hi-Smart L Series is designed and developed for high-end residential and commercial space.

- DC inverter-driven compressor
- Low noise technologies
- Compact and lightweight design
- Long refrigerant pipe and drop

Free Combination

One outdoor unit of Hi-Smart L series can connect maximum 9 indoor units in different types. The free combination not only meets the air condition needs of large space, but also helps to match the indoor decoration. Flexible choice and better system configuration start a tour of luxury life.



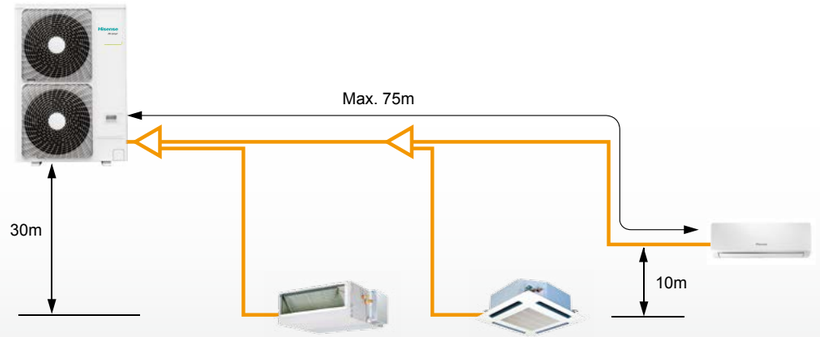
Slim and Refined Body Design

The compact outdoor unit can be flexibly placed according to outdoor condition. Low-height ducted type can be easily installed inside the low-height residential ceiling with a height of 192mm, which makes low height indoor units and elegant home decoration style set off mutually.

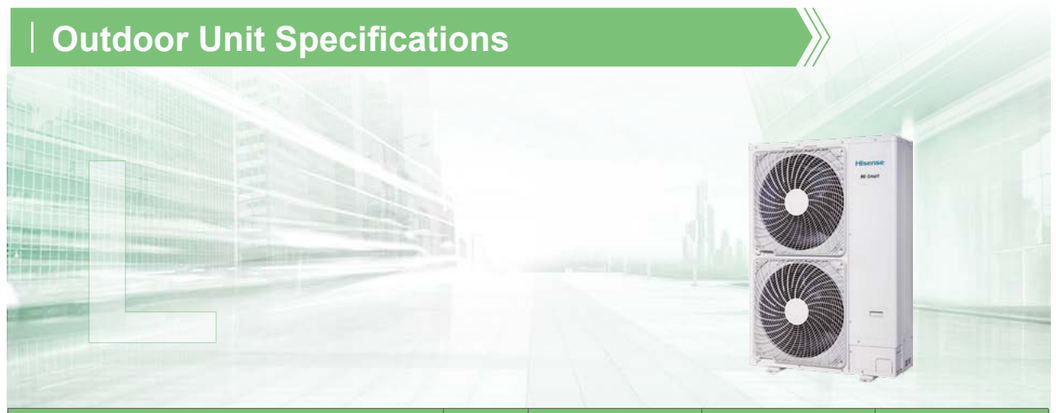
Long Piping Design

Long refrigerant piping design makes project design and installation works more convenient.
When it need to be connected with compact 4-way-cassette or wall type, please consult our professional engineer.

- Total piping length can be 120m.
- Max. piping length is 75m.
- Max. height difference between outdoor and indoor units is 30m.
- Max. height difference between the highest and the lowest indoor units is 10m.



Outdoor Unit Specifications



Hi-Smart L series		HP	4HP	5HP	6HP
Model Power Supply	AC1Φ220~240V/50Hz		AVW-38UCSC	AVW-48UCSC	AVW-54UCSC
	AC1Φ220V/60Hz		AVW-38U2SC	AVW-48U2SC	AVW-54U2SC
	AC3Φ380~415V/50Hz		---	AVW-48UESC	AVW-54UESC
	AC3Φ380V/60Hz		---	AVW-48U7SC	AVW-54U7SC
Cooling Operation	Nominal Capacity	kW	11.2	14.0	15.5
		kBtu/h	38.2	47.8	52.9
	Power Consumption	kW	3.25	4.32/3.92	5.25/4.44
	EER		3.45	3.24/3.57	2.93/3.49
Heating Opeartion	Nominal Capacity	kW	12.5	16.0	18.0
		kBtu/h	42.7	54.6	61.4
	Power Consumption	kW	3.33	4.64/4.03	5.58/4.74
	COP		3.75	3.45/3.97	3.23/3.80
Air Flow Rate		m^3/h	5,400	5,400	6,000
Outer Dimension(H×W×D)		mm	1,380×950×370		
Packing Dimension(H×W×D)		mm	1,500×1,040×460		
Net Weight		kg	93	95	97
Gross Weight		kg	106	108	110
Refrigerant piping	Liquid Line	mm	Φ9.53	Φ9.53	Φ9.53
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88
Max. number of connectable IDU			9	9	9
Noise Level	Cooling/Heating	dB(A)	52/54	52/55	54/56
Operation Range	Cooling Operation	℃ DB	-5~52*		
	Heating Operation	℃ WB	-20~15.5		
Branch Pipe			HFQ-052F		

Note:

1.The nominal cooling capacity and heating capacity are based on following conditions:

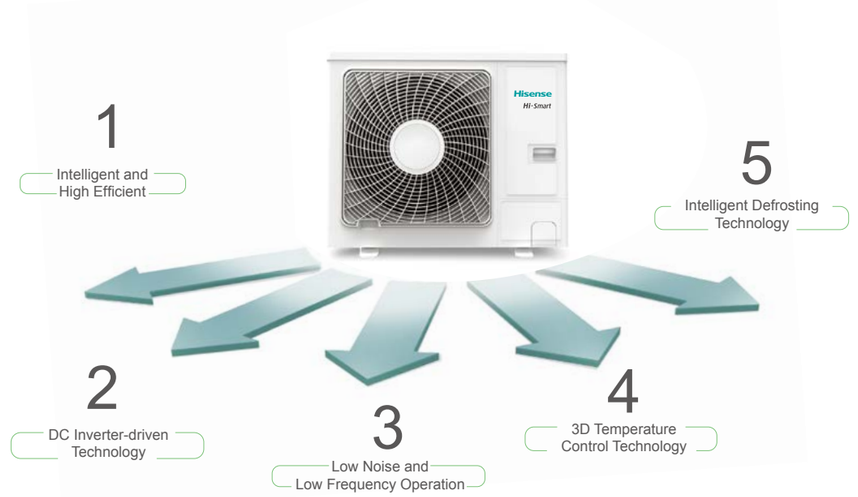
Cooling Operation Conditions
Indoor Air Inlet Temperature:27℃ DB(80° F DB)
19.0℃ WB(66.2° F WB)
Outdoor Air Inlet Temperature:35℃ DB(95° F DB)
Piping Length: 7.5Meters Piping Lift: 0Meter

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.
3. When the cooling operation temperature is over 48℃, please contact with our professional engineer.

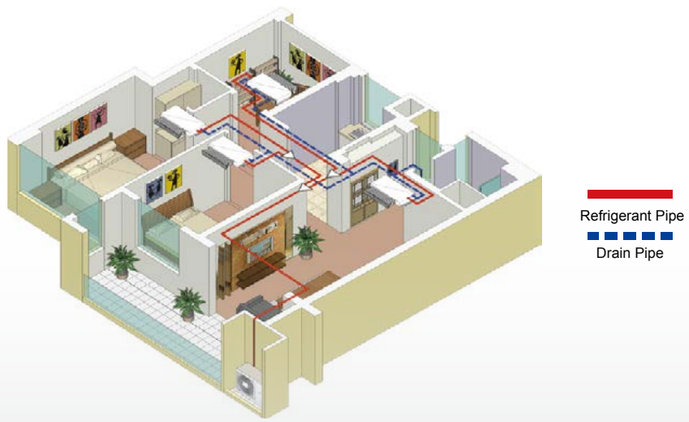
Hi-FLEXi E Series

Leading Low Carbon New Life



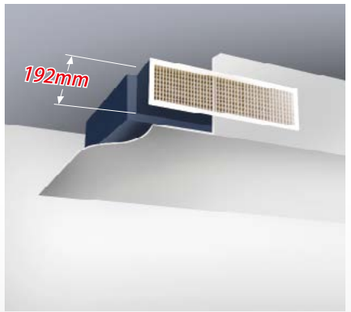
Intelligent Multi-split Design

Hi-Smart E outdoor unit adopts the leading single-piping connection technology and connects multiple indoor units freely. The indoor unit adopts 2000-step micro-computer EEV (electronic expansion valve) to achieve automatic refrigerant flow control according to indoor load, which results in more precise and comfortable temperature control.



Slim and Refined Body Design

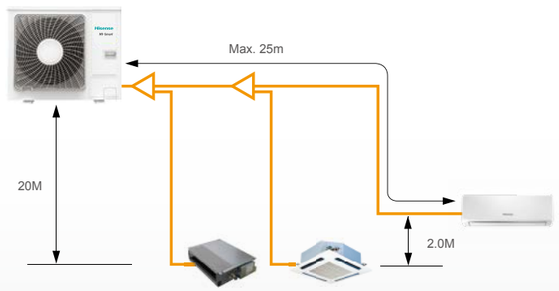
The compact outdoor unit can be flexibly placed according to outdoor condition. Low-height in-the-ceiling type can be easily installed inside the low-height residential ceiling with a height of 192mm, which makes low height indoor units and elegant home decoration style set off mutually.



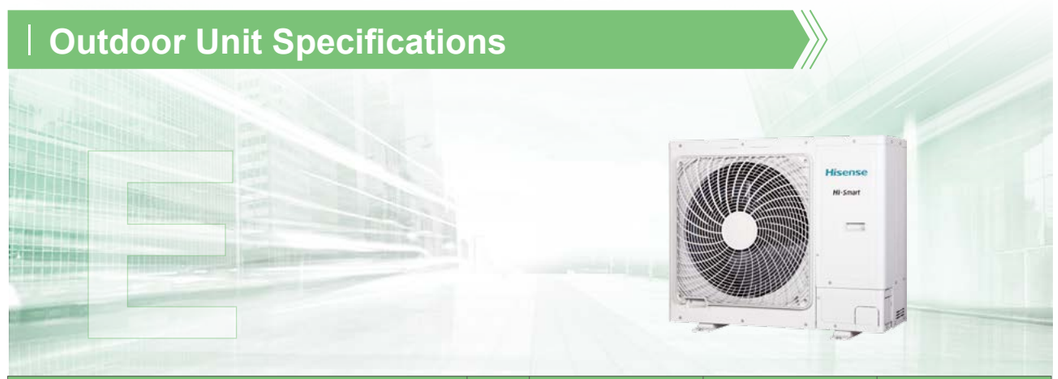
Flexible Long Piping Design

- Max. total piping length is 40m.
- Max. height difference between outdoor and indoor units is 20m.
- Height difference between indoor units is 2m.

When it need to be connected with compact 4-way-cassette or wall type, please consult our professional engineer.



Outdoor Unit Specifications



Hi-Smart E series		HP	3HP	4HP	5HP
	AC1Φ220~240V/50Hz		AVW-28UCSB	AVW-34UCSB	AVW-43UCSB
Model Power Supply	AC1Φ220V/60Hz		AVW-28U2SB	AVW-34U2SB	AVW-43U2SB
	AC3Φ380~415V/50Hz		---	---	AVW-43UESB
	AC3Φ380V/60Hz		---	---	AVW-43U7SB
Cooling Operation	Nominal Capacity	kW	8.0	10.0	12.5
		kBtu/h	27.3	34.1	42.7
	Power Consumption	kW	2.66	2.86	3.81
	EER		3.01	3.50	3.28
Heating	Nominal Capacity	kW	9.5	11.2	14.0
		kBtu/h	32.4	38.2	47.8
	Power Consumption	kW	2.42	2.75	3.68
	COP		3.93	4.07	3.80
Air Flow Rate		m^3/h	2,970	4,140	4,680
Outer Dimension (H×W×D)		mm	800×950×370		
Packing Dimension (H×W×D)		mm	1020×940×370		
Net Weight		kg	65	73	78
Gross Weight		kg	75	83	88
Refrigerant piping	Liquid Line	mm	Φ9.53	Φ9.53	Φ9.53
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88
Max. number of connectable IDU	AC1Φ/AC3Φ		3/4	4/5	4/5
Noise Level	Cooling/Heating	dB(A)	50/52	53/54	54/57
Operation Range	Cooling Operation	℃ DB	10~43		
	Heating Operation	℃ WB	-15~15		
Branch Pipe			HFQ-052F		

Notes:

1.The nominal cooling and heating capacities show the capacities when the outdoor with the 100% rating of indoor unit.

Cooling Operation Conditions
Indoor Air Inlet Temperature:27℃ DB/19℃ WB
Outdoor Air Inlet Temperature:35℃ DB
Piping Length:7.5Meters 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)

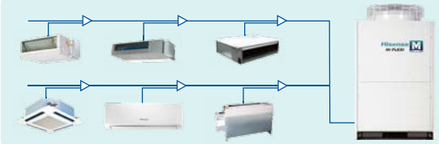
2.The sound pressure level is based on following conditions:
1.5 Meters from floor Level,and 1Meter from the unit service cover surface.
The above data was measured in an anechoic chamber so that reflected sounde shoudle be taken into consideration in the field.

Hisense Hi-FLEXi & Hi-Smart series provide a wide selection of indoor units for indoor decoration and create a personalized living space.

HP		0.6	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5	3.0	3.3	4.0	5.0	6.0	8	10
kBtu/h		5	7	9	12	14	17	18	22	24	27	30	38	48	54	76	96
1-Way Cassette Type			●	●	●	●		●		●							
2-Way Cassette Type			●	●	●	●		●		●	●	●	●	●	●		
4-Way Cassette Type				●	●	●	●	●	●	●	●	●	●	●	●		
Compact 4-Way Cassette Type		●	●	●	●	●	●										
Ceiling Ducted Type (High Static Pressure)			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ceiling Ducted Type (Low Static Pressure)			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ceiling Ducted Type (Low-height)		●	●	●	●	●	●	●	●	●							
Ceiling Ducted Type (Slim Low-height)			●	●	●	●											
Ceiling Ducted Type (DC Low-height)			●	●	●	●	●	●	●	●							
Ceiling & Floor Type							●	●	●	●	●	●	●	●			
Wall Mounted Type			●	●	●	●	●	●	●	●							
Floor Concealed Type				●		●		●		●							

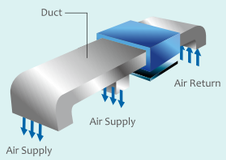
Various Model Types Easily Match Different

Wide capacity range of outdoor units enables free model combination according to the actual situation of building. There are 12 types of indoor units for selection. Customer can choose appropriate type and capacity of indoor units according to interior decoration and functions.

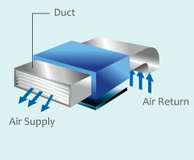


Flexible Ways of Air Supply and Air Return

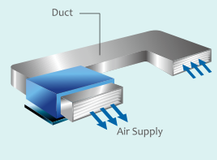
Different duct types can be chosen to mactch different construction structure and interior decoration, which meets various personalized requirement of customers.



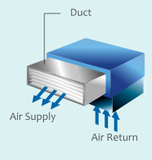
Ceiling Supply Ceiling Return



Side Supply Ceiling Return



Side Supply Side Return



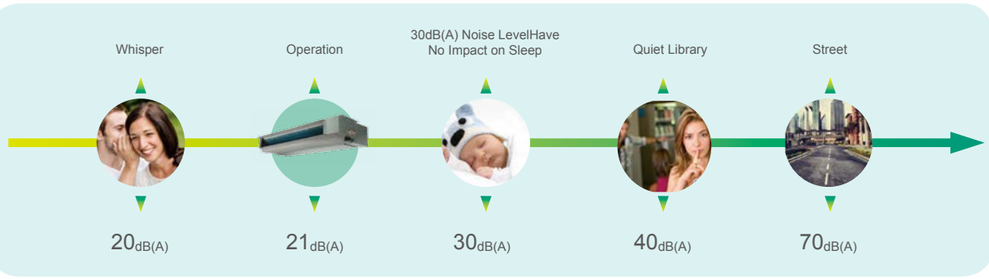
Side Supply Bottom Return

Precise Room Temperature Control

Hisense sets temperature sensors on air outlet /air inlet of indoor units and remote controller, and adopts microcomputer control 2000-pulse high precision electronic expansion valve to adjust refrigerant flow rate, high precision electronic expansion valve to adjust refrigerant flow rate, which can maintain the room temperature within 0.5℃ of setting temperature and satisfy the indoor comfort requirement.

Top Class Low Noise Design

In accordance with application situation and structure, Hisense has been studying the technical and installation methods for noise reduction of indoor units from various aspects of fan motor, fan blade and air duct layout, which provides customers with the quietest air conditioned environment.



1-Way Cassette Type

Fashionable Appearance, Convenient Installation

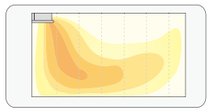
Customers can choose the installation method according to different situation. The concise fashion elements style is suitable for renewal projects and un-decorated shopping malls or classrooms.

Efficiency DC Motor, Adjustable Air Speed

Adoption of efficient DC motor and optimized duct design assures the smooth air flow; at the same time, customers can adjust the air speed according to the actual need.

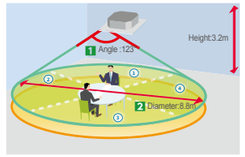
Wider 3D-air Flow Range

Broad air deflector design realized broad air supply range. The wind direction can be adjusted according to the need thus makes the customers feel more comfortable. The fan blades will return to the original position when the unit is off.



Intelligent sensor(Optional)

- People detecting,moving or not moving
- Air blow to the people or avoid people
- Bottom temperature detecting
- Working load forecast
- Auto stop after people leave



Standard Equipped Drain Pump

Standard equipped with drain pump, maximum drainage height is 1200mm.

Fresh Air Introducing

The unit can introduce the fresh air from the external environment. With the filter facility, the air quality is garunteed. (For specific ,please contact with the local engineer)

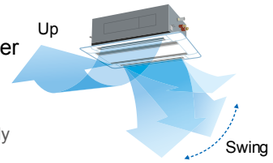
2-Way Cassette Type

Efficiency DC Motor, Adjustable Air Speed

Adoption of efficient DC motor and optimized duct design assures the smooth air flow; at the same time, customers can adjust the air speed according to the actual need.

2-Way Individual Louver

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



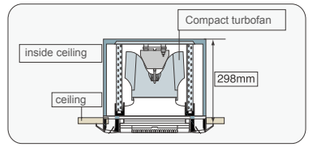
Super Compact Structure Design, Easy For Installation

Standard Equipped Drain Pump

Maximum drainage height is 1200mm

Low Noise Level Design

The high efficiency turbofan form the wind pressure by rotating. Larger fan blades and slower fan speed realize the low operating noise. Also, the PWM control method lower the motor noise greatly.



Fresh Air Introducing

The unit can introduce the fresh air from the external environment. With the filter facility, the air quality is ensured. (For specific ,please contact with the local engineer)

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

NOTES:

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

Indoor unit		2-Way Cassette Type										
Model Power Supply	AC1Φ 220V~240V /50Hz/60Hz	AVL-07 UXJSGA	AVL-09 UXJSGA	AVL-12 UXJSGA	AVL-14 UXJSGA	AVL-18 UXJSGA	AVL-24 UXJSGA	AVL-27 UXJSGA	AVL-30 UXJSGA	AVL-38 UXJSHA	AVL-48 UXJSHA	AVL-54 UXJSHA
Cooling Operation	kW	2.2	2.8	3.6	4.3	5.6	7.1	8.4	9.0	11.2	14.0	16.0
	kcal/h	1,900	2,400	3,100	3,700	4,800	6,100	6,900	7,700	9,600	12,000	13,800
	Btu/h	7,500	9,600	12,300	14,700	19,100	24,200	28,700	30,700	38,200	47,800	54,600
Heating Opeartion	kW	2.8	3.3	4.0	4.9	6.5	8.0	9.0	10.0	13.0	16.0	18.0
	kcal/h	2,400	2,800	3,400	4,200	5,600	6,800	7,800	8,600	11,200	13,800	15,500
	Btu/h	9,600	11,300	13,600	16,700	22,200	27,300	30,700	34,100	44,400	54,600	61,400
Sound Pressure Level	dB(A)	32/30/29/27	33/30/29/28	34/31/30/28	40/37/34/32	42/39/36/33	45/42/40/36	47/44/40/36	49/46/42/37	46/44/40/38	48/45/42/38	49/46/43/40
Outer Dimensions (H×W×D)	mm	298×860×630								298×1,420×630		
Net Weight	kg	22	22	22	24	24	24	24	24	39	39	39
Refrigerant		R410A(Nitrogen-charged for corrosion-resistance)										
Indoor Fan Air Flow Rate	m^3/h	600/510 /432/360	660/564 /492/396	720/630 /534/450	900/792 /690/594	1,020/894 /780/672	1,140/984 /858/738	1,260/1,104 /936/756	1,320/1,158 /978/786	1,800/1,584 /1,386/1,188	2,100/1,848 /1,614/1,266	2,220/1,950 /1,704/1,446
Motor Power	kW	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057	0.057x2	0.057x2	0.057x2
Refrigerant Piping Connection		Flare-nut Connection(with Flare Nuts)										
Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		VP25(Outer Diameter Φ32)										
Panel Model		HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-F-NA	HP-F-NA	HP-F-NA
Cabinet Color		Neutral White										
Outer Dimensions (H×W×D)	mm	30×1,100×710	30×1,100×710	30×1,100×710	30×1,100×710	30×1,100×710	30×1,100×710	30×1,100×710	30×1,100×710	30×1,660×710	30×1,660×710	30×1,660×710
Net Weight	kg	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.5	10.5	10.5

NOTES:

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

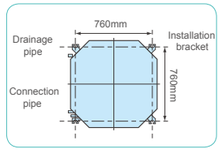
4-Way Cassette Type

Compact and Thin

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

Installation Direction Can be Changed Easily for ConvenientPipe Connection

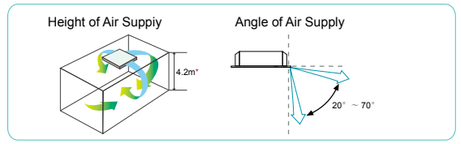
Squared design for unit body and installation bracket, unit body can be installed in any direction horizontally for convenient pipe connect position.



Power Input Reduced by Applying of New Developed DC Fan Motor

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

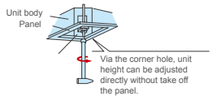
With Broad Range of Air Supply, is Suitable to be Used in High Ceiling and Great Space



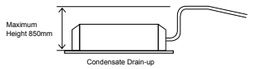
when indoor unit model is AVC 27~54*
when indoor unit model is AVC 09*~24*,the Value is 3.5m.

Body Height Easily Adjustable in the Corner Pockets

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



Drain Pump as Standard Part



Indoor unit			4-Way Cassette Type											
Model Power Supply	AC1Φ, 220~240V/50Hz		AVC-09 UXCSEB	AVC-12 UXCSEB	AVC-14 UXCSEB	AVC-17 UXCSEB	AVC-18 UXCSEB	AVC-22 UXCSEB	AVC-24 UXCSEB	AVC-27 UXCSFB	AVC-30 UXCSFB	AVC-38 UXCSFB	AVC-48 UXCSFB	AVC-54 UXCSFB
	AC1Φ, 220V/60Hz		AVC-09 UX2SEB	AVC-12 UX2SEB	AVC-14 UX2SEB	AVC-17 UX2SEB	AVC-18 UX2SEB	AVC-22 UX2SEB	AVC-24 UX2SEB	AVC-27 UX2SFB	AVC-30 UX2SFB	AVC-38 UX2SFB	AVC-48 UX2SFB	AVC-54 UX2SFB
Nominal Cooling Capacity		kW	2.8	3.6	4.3	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2	16.0
		kcal/h	2,400	3,100	3,700	4,300	4,800	5,400	6,100	7,200	7,700	9,600	12,200	13,800
		Btu/h	9,600	12,300	14,700	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500	54,600
Nominal Heating Capacity		kW	3.3	4.2	4.9	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3	18.0
		kcal/h	2,800	3,600	4,200	4,800	5,600	6,500	7,300	8,300	8,600	11,200	14,000	15,500
		Btu/h	11,300	14,300	16,700	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600	61,400
Noise Level (H/M/L)		dB(A)	30-29-27	31-29-27	31-29-27	32-30-27	32-30-27	33-31-29	33-31-29	36-34-32	36-34-32	41-38-35	44-39-36	44-42-38
Outer Dimensions	H	mm	248	248	248	248	248	248	248	298	298	298	298	298
	W	mm	840	840	840	840	840	840	840	840	840	840	840	840
	D	mm	840	840	840	840	840	840	840	840	840	840	840	840
Net Weight		kg	22	22	22	23	23	23	23	24	24	27	27	27
Air Flow Rate (H/M/L)		m^3/h	780/720/660	900/810/720	900/810/720	960/840/720	960/840/720	1,140/1,020/840	1,200/1,020/900	1,560/1,380/1,200	1,560/1,380/1,200	1,920/1,680/1,440	2,040/1,740/1,500	2,220/1,920/1,620
Motor Power		W	40	50	50	50	50	60	60	90	90	120	150	160
Piping Connections			VP25(OuterDiameterΦ32)											
Liquid Line		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Gas Line		mm	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			Flare-nut Connection(with Flare Nuts)											
Approximate Packing Measurement		m^3	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.26	0.26	0.26	0.26	0.26
Standard Accessories			Suspension Drackets											
Panel Model			HPE-A-NA											
Cabinet Color			Neutral White											
Outer Dimensions	H	mm	37	37	37	37	37	37	37	37	37	37	37	37
	W	mm	950	950	950	950	950	950	950	950	950	950	950	950
	D	mm	950	950	950	950	950	950	950	950	950	950	950	950
Net Weight		kg	6	6	6	6	6	6	6	6	6	6	6	6
Packing Volume		m^3	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08

NOTES:

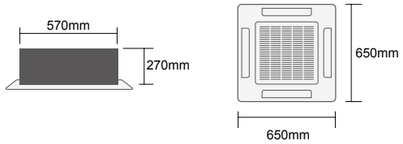
1.The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27℃ DB(80°F DB), 19.0℃ WB(66.2°F WB)
Outdoor Air Inlet Temperature: 35℃ DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions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

4-Way Cassette Type
(Compact)

Compact Design

Panel sizes are unified to a 650mm square, neat and elegance, and fit small ceiling panel, making installation easier in grid ceilings.



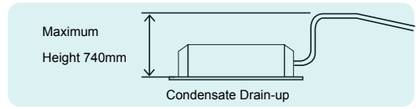
Broad Range of Air Supply

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

Convenience for Washing Filter

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

Drain Pump as Standard Part



* The wireless remote controller HYE-Q01 is standard for 4-Way Cassette Type (Compact)

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

NOTES:

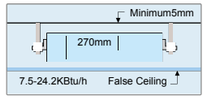
1.The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27℃ DB(80°F DB), 19.0℃ WB(66.2°F WB)
Outdoor Air Inlet Temperature: 35℃ DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions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

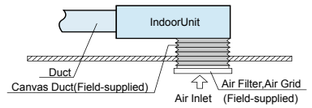
Ceiling Ducted Type
(High Static Pressure)

Installation Space-saving

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



Flexibly Supports a Wide Range OfInstallation



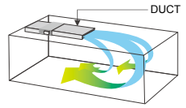
NOTE:
When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

Fresh Indoor Air

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

Excellent Air Flow

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



Optional Parts

Drain pump can be supplied as optional part.

Indoor unit			Ceiling Ducted type (High Static Pressure)															
Model Power Supply	AC1Φ, 220 ~240V/50Hz		AVD-07 UXCSAH	AVD-09 UXCSAH	AVD-12 UXCSAH	AVD-14 UXCSAH	AVD-17 UXCSBH	AVD-18 UXCSBH	AVD-22 UXCSBH	AVD-24 UXCSBH	AVD-27 UXCSCH	AVD-30 UXCSCH	AVD-38 UXCSCH	AVD-48 UXCSDH	AVD-54 UXCSDH	AVD-76 UX6SEH*1	AVD-96 UX6SFH*1
	AC1Φ 220V/60Hz		AVD-07 UX2SAH	AVD-09 UX2SAH	AVD-12 UX2SAH	AVD-14 UX2SAH	AVD-17 UX2SBH	AVD-18 UX2SBH	AVD-22 UX2SBH	AVD-24 UX2SBH	AVD-27 UX2SCH	AVD-30 UX2SCH	AVD-38 UX2SCH	AVD-48 UX2SDH	AVD-54 UX2SDH	AVD-76 UX2SFH*2	AVD-96 UX2SFH*2
Nominal Cooling Capacity		kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2	16.0	22.4	28.0
		kcal/h	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100	7,200	7,700	9,600	12,200	13,800	19,300	24,100
		Btu/h	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500	54,600	76,500	95,600
Nominal Heating Capacity		kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3	18.0	25.0	31.5
		kcal/h	2,400	2,800	3,600	4,200	4,800	5,600	6,500	7,300	8,300	8,600	11,200	14,000	15,500	21,500	27,100
		Btu/h	9,600	11,300	14,300	16,700	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600	61,400	85,300	107,500
Noise Level (H/M/L)		dB(A)	33-31-29	33-31-29	33-31-29	33-31-29	34-32-30	34-32-30	36-34-32	36-34-32	41-39-34	41-39-34	43-40-36	44-41-36	43-40-37	52	54
Outer Dimensions	H	mm	270	270	270	270	270	270	270	270	350	350	350	350	350	470	470
	W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	900+75	900+75	900+75	900+75	1300+75	1300+75	1060	1250
	D	mm	720	720	720	720	720	720	720	720	800	800	800	800	800	1120	1120
Net Weight		kg	25	25	25	25	34	34	34	34	44	44	44	56	56	94	106
Air Flow Rate (H/M/L)		m^3/h	480/420 /360	480/420 /360	780/660 /540	780/660 /540	900/780 /660	900/780 /660	960/840 /720	960/840 /720	1600/1400 /1150	1600/1400 /1150	1600/1400 /1150	2100/1750 /1450	2150/1800 /1550	3480	4650
Motor Power		W	110	110	150	150	150	150	150	190	300	300	300	430	430	1030	1280
Piping Connections			Flare-nut Connection(with Flare Nuts)													Brazing	
Liquid Line		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Gas Line		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ22.2
Condensate Drain			VP25(Outer Diameter Φ32)														
External Static Pressure		Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	120(90)	120(90)	120(90)	120(90)	120(90)	220	220
Packing Volume		m^3	0.21	0.21	0.21	0.21	0.27	0.27	0.27	0.27	0.38	0.38	0.38	0.52	0.52	0.90	1.06

NOTES:

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)

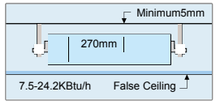
2. The sound pressure level is based on following conditions: 1.5m beneath the unit. With discharge duct (2.0m) and return duct(1.0m)
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.
*1: AC3Φ, 380V/50Hz,
*2: AC3Φ, 380V/60Hz: AVD- 76UX7SEH; AVD-96UX7SFH

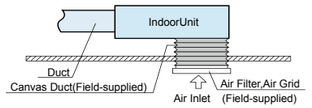
Ceiling Ducted Type
(Low Static Pressure)

Installation Space-saving

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



Flexibly Supports a Wide Range OfInstallation



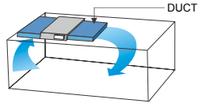
NOTE:
When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

Fresh Indoor Air

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

Excellent Air Flow

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



Optional Parts

Drain pump can be supplied as optional part.

Indoor unit			Ceiling Ducted type (Low Static Pressure)														
Model Power Supply	AC1Φ, 220 ~240V/50Hz		AVD-07 UXCSAL	AVD-09 UXCSAL	AVD-12 UXCSAL	AVD-14 UXCSAL	AVD-17 UXCSBL	AVD-18 UXCSBL	AVD-22 UXCSBL	AVD-24 UXCSBL	AVD-27 UXCSCL	AVD-30 UXCSCL	AVD-38 UXCSCL	AVD-48 UXCSDL	AVD-54 UXCSDL	AVD-76 UX6SEL*1	AVD-96 UX6SFL*1
	AC1Φ 220V/60Hz		AVD-07 UX2SAL	AVD-09 UX2SAL	AVD-12 UX2SAL	AVD-14 UX2SAL	AVD-17 UX2SBL	AVD-18 UX2SBL	AVD-22 UX2SBL	AVD-24 UX2SBL	AVD-27 UX2SCL	AVD-30 UX2SCL	AVD-38 UX2SCL	AVD-48 UX2SDL	AVD-54 UX2SDL	AVD-76 UX7SEL*2	AVD-96 UX7SFL*2
Nominal Cooling Capacity		kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2	16.0	22.4	28.0
		kcal/h	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100	7,200	7,700	9,600	12,200	13,800	19,300	24,100
		Btu/h	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500	54,600	76,500	95,600
Nominal Heating Capacity		kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3	18.0	25.0	31.5
		kcal/h	2,400	2,800	3,600	4,200	4,800	5,600	6,500	7,300	8,300	8,600	11,200	14,000	15,500	21,500	27,100
		Btu/h	9,600	11,300	14,300	16,700	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600	61,400	85,300	107,500
Noise Level (H/M/L)		dB(A)	30-26-24	30-26-24	32-30-28	32-30-28	33-31-29	33-31-29	34-32-30	34-32-30	38-34-30	38-34-30	39-35-31	41-38-33	43-39-34	50	52
Outer Dimensions	H	mm	270	270	270	270	270	270	270	270	350	350	350	350	350	470	470
	W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	900+75	900+75	900+75	900+75	1300+75	1300+75	1060	1250
	D	mm	720	720	720	720	720	720	720	720	800	800	800	800	800	1120	1120
Net Weight		kg	25	25	25	25	34	34	34	34	44	44	44	56	56	94	106
Air Flow Rate (H/M/L)		m^3/h	480/420 /360	480/420 /360	780/660 /540	780/660 /540	900/780 /660	900/780 /660	960/840 /720	960/840 /720	1550/1350 /1150	1550/1350 /1150	1550/1350 /1150	2150/1800 /1500	2200/1900 /1500	3480	4320
Motor Power		W	110	110	150	150	150	150	150	190	300	300	300	430	430	950	1120
Piping Connections			Flare-nut Connection(with Flare Nuts)													Brazing	
Liquid Line		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Gas Line		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ22.2
Condensate Drain			VP25(Outer Diameter Φ32)														
External Static Pressure		Pa	30	30	30	30	30	30	30	30	60	60	60	60	60	100	100
Packing Volume		m^3	0.21	0.21	0.21	0.21	0.27	0.27	0.27	0.27	0.38	0.38	0.38	0.52	0.52	0.90	1.06

NOTES:

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)

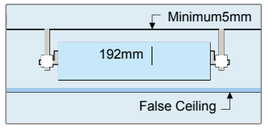
2. The sound pressure level is based on following conditions: 1.5m beneath the unit. With discharge duct (2.0m) and return duct(1.0m)
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.
*1: AC3Φ, 380V/50Hz, *2: AC3Φ, 380V/60Hz

Ceiling Ducted Type
(Low-height)

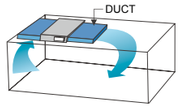
Installation Space-saving

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



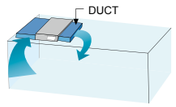
Excellent Air Flow

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

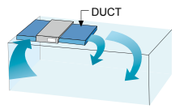


Adjustable Indoor Unit Static Pressure

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



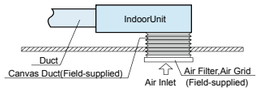
When the required duct is short, the static pressure can be set lower.



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

Satisfy Varied Requests on Installation

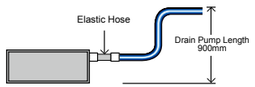
Available air inlet as rear or bottom entry, consumers can choose relevant air inlet mode according to the practical installation space.



(Installation Diagram of Air Bottom Inlet)

Drain Pump as Standard part

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



Indoor unit			Ceiling Ducted Type (Low-height)								
Model Power Supply	AC1Φ, 220 ~240V/50Hz		AVE-05UXCSAL	AVE-07UXCSAL	AVE-09UXCSAL	AVE-12UXCSAL	AVE-14UXCSAL	AVE-17UXCSBL	AVE-18UXCSBL	AVE-22UXCSBL	AVE-24UXCSBL
	AC1Φ, 220V/60Hz		AVE-05UXCSAL	AVE-07UX2SAL	AVE-09UX2SAL	AVE-12UX2SAL	AVE-14UX2SAL	AVE-17UX2SBL	AVE-18UX2SBL	AVE-22UX2SBL	AVE-24UX2SBL
Nominal Cooling Capacity		kW	1.7	2.2	2.8	3.6	4.3	5.0	5.6	6.3	7.1
		kcal/h	1,500	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100
		Btu/h	5,800	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200
Nominal Heating Capacity		kW	1.9	2.8	3.3	4.2	4.9	5.8	6.5	7.5	8.5
		kcal/h	1,700	2,400	2,800	3,600	4,200	5,000	5,600	6,500	7,300
		Btu/h	6,500	9,600	11,300	14,300	16,700	19,800	22,200	25,600	29,000
Noise Level (H/M/L)		dB(A)	29-28-25	27-24-21	27-24-21	32-30-27	32-30-27	34-30-28	34-30-28	36-32-29	36-32-29
Outer Dimensions	H	mm	192	192	192	192	192	192	192	192	192
	W	mm	697	900+73	900+73	900+73	900+73	1,170+73	1,170+73	1,170+73	1,170+73
	D	mm	447	447	447	447	447	447	447	447	447
Net Weight		kg	16	20	20	21	21	26	26	26	26
Air Flow Rate (H/M/L)		m^3/h	372/354/300	500/440/350	500/440/350	640/590/520	640/590/520	870/750/630	870/750/630	950/820/710	950/820/710
Motor Power		W	19	50	50	70	70	100	100	110	110
Piping Connections			Flare-nut Connection(with Flare Nuts)								
Liquid Line		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53
Gas Line		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25(Outer Diameter Φ32)								
External Static Pressure		Pa	10(0-10-30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)
Packing Volume		m^3	0.15	0.15	0.15	0.15	0.15	0.18	0.18	0.18	0.18

NOTES:

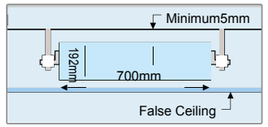
1.The nominal cooling capacity and heating capacity are based on following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27℃ DB(80°F DB), 19.0℃ WB(66.2°F WB)
Outdoor Air Inlet Temperature: 35℃ DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation Conditions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

Ceiling Ducted Type
(Slim Low-height)

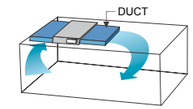
Installation Space-saving

With a width of 700mm and height of 192mm may be easily installed inside narrow residential ceiling.



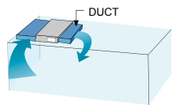
Excellent Air Flow

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

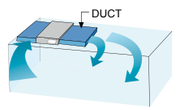


Adjustable Indoor Unit Static Pressure

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



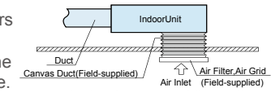
When the required duct is short, the static pressure can be set lower.



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

Satisfy Varied Requests on Installation

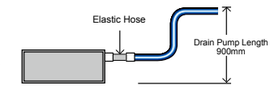
Available air inlet as rear or bottom entry, consumers can choose relevant air inlet mode according to the practical installation space.



(Installation Diagram of Air Bottom Inlet)

Drain Pump as Standard part

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



Indoor unit			Ceiling Ducted Type(Slim Low-height)			
Model Power Supply	AC1Φ, 220 ~240V/50Hz		AVE-07UXCSGL	AVE-09UXCSGL	AVE-12UXCSGL	AVE-14UXCSGL
	AC1Φ, 220V/60Hz		AVE-07UX2SGL	AVE-09UX2SGL	AVE-12UX2SGL	AVE-14UX2SGL
Nominal Cooling Capacity		kW	2.2	2.8	3.6	4.3
		kcal/h	1,900	2,400	3,100	3,700
		Btu/h	7,500	9,600	12,300	14,700
Nominal Heating Capacity		kW	2.8	3.3	4.2	4.9
		kcal/h	2,400	2,800	3,600	4,200
		Btu/h	9,600	11,300	14,300	16,700
Noise Level (H/M/L)		dB(A)	27-23-21	27-23-21	31-29-27	31-29-27
Outer Dimensions	H	mm	192	192	192	192
	W	mm	700+70	700+70	700+70	700+70
	D	mm	602	602	602	602
Net Weight		kg	21	21	21	21
Air Flow Rate (H/M/L)		m^3/h	450/380/335	450/380/335	590/510/470	590/510/470
Motor Power		W	50	50	60	60
Piping Connections			Flare-nut Connection(with Flare Nuts)			
Liquid Line		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
Gas Line		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Condensate Drain			VP25(Outer Diameter Φ32)			
External Static Pressure		Pa	10(30)	10(30)	10(30)	10(30)
Packing Volume		m^3	0.15	0.15	0.15	0.15

NOTES:

1.The nominal cooling capacity and heating capacity are based on 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. With discharge duct (2.0m) and return duct(1.0m)
The above data was measured in an anechoic chamber so that 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.

Ceiling Ducted Type (DC Low-height)

Ultra-thin body design

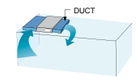
Whit the height of 192mm and depth 447mm,effcetively take advantage of narrow space to realize various kinds of air flow.

DC motor,efficient and energy-saving

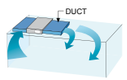
1.Equipped with DC motor,efficient and energy-saving. 6fan speeds is adjustable.
2.Extremly low operating noise;the lowest noise level is only 26dbB(A) (suitable for both heating,cooling and air flow)

Adjustable Indoor Unit Static Pressure

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



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



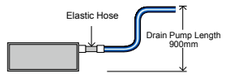
When the required duct is long, the static pressure can be set higher.

Adjustable humidity for coziness

Air inlet is equipped with the humidity sensor,thus realize the humidity adjustment and control according to the indoor humidity condition.

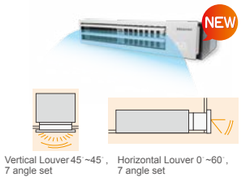
Drain Pump as Standard part

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



3D Air-flow Panel

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



Vertical Louver 45 ~45 , 7 angle set

Horizontal Louver 0 ~60 , 7 angle set

Panel Model	Indoor unit	Outer Dimensions (H×W×D)	Interface Dimension (H×W×D)
HP-DB-NA	07~14	180×950×70	750×130
HP-EB-NA	17~24	180×1220×70	1020×130

Indoor unit		Ceiling Ducted Type (DC Low-height)							
Model Power Supply	AC1Φ 220V~240V /50Hz/60Hz	AVE-07UXJSCL	AVE-09UXJSCL	AVE-12UXJSCL	AVE-14UXJSCL	AVE-17UXJSDL	AVE-18UXJSDL	AVE-22UXJSDL	AVE-24UXJSDL
Nominal Cooling Capacity	kW	2.2	2.8	3.6	4.3	5	5.6	6.3	7.1
	kcal/h	1,900	2,400	3,100	3,700	4,300	4,800	5,400	6,100
	Btu/h	7,500	9,600	12,300	14,700	17,100	19,100	21,500	24,200
Nominal Heating Capacity	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5	8.5
	kcal/h	2,400	2,800	3,600	4,200	4,800	5,600	6,500	7,300
	Btu/h	9,600	11,300	14,300	16,700	19,100	22,200	25,600	29,000
Sound Pressure Level	dB(A)	29/27/26 /24/23/22	31/30/29 /27/25/24	33/32/30/29/26/25		36/34/33/32/30/27		37/36/34/32/31/29	
Outer Dimensions (H×W×D)	mm	192×910×447				192×1,180×447			
Net Weight	kg	20		21		26		26	
Refrigerant		R410A(Nitrogen-charged for corrosion-resistance)							
Indoor Fan Air Flow Rate	m^3/min	7.5/7/6.5/6 /5.5/5.2	9/8.2/7.4 /6.7/6/5.2	9.8/9/8.5/8/7.5/7		14.5/13.5/12.5/11.5/10.5/10		16.5/15/14/13/12/11	
Motor Power	W	33				57			
Refrigerant Piping Connection		Flare-nut Connection(with Flare Nuts)							
Liquid Line	mm	Φ6.35				Φ6.35		Φ9.53	
Gas Line	mm	Φ12.7				Φ15.88		Φ15.88	
Condensate Drain		VP25(Outer Diameter Φ32)							
External Static Pressure	Pa	10(0-10-30)				10(0-10-50)			
Packing Volume	m^3	0.15				0.18			

NOTES:

1.The nominal cooling capacity and heating capacity are based on 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. With discharge duct (2.0m) and return duct(1.0m)
The above data was measured in an anechoic chamber so that 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.

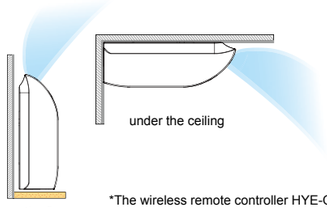
Ceiling & Floor Type

New Fashion Design Appearance and HighQuality

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

Flexible Installation

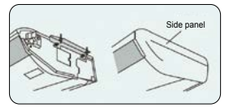
The unit can be installed either stand on the floor or hang under the ceiling.



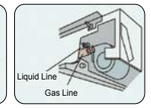
*The wireless remote controller HYE-Q01 is standard for Ceiling & Floor Type

Convenient Installation and Maintenance

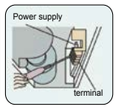
Advanced structure design that make the unit installatioin, pipe connection, even wiring work into simple.



1. Unit installation work can be done directly just open the side panel



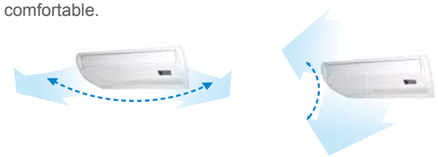
2. After open side panel, big space for pipe connection provide convenience for pipe installation



3. Set DIP switch by opening electric box cover, simple and convenience.

Intelligent 3D Air Flow

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



Indoor unit		Ceiling & Floor Type							
Model Power Supply	AC1Φ 220V~240V /50Hz	AVV-17URSCA	AVV-18URSCA	AVV-22URSCA	AVV-24URSCA	AVV-27URSCB	AVV-30URSCB	AVV-38URSCB	AVV-48URSCC
	AC1Φ 220V/60Hz	AVV-17UR2SA	AVV-18UR2SA	AVV-22UR2SA	AVV-24UR2SA	AVV-27UR2SA	AVV-30UR2SB	AVV-38UR2SB	AVV-48UR2SC
Nominal Cooling Capacity	kW	5	5.6	6.3	7.1	8.4	9	11.2	14.2
	Btu/h	17,100	19,107	21,500	24,225	28,661	30,708	38,214	48,450
Nominal Heating Capacity	kW	5.6	6.5	7.5	8.5	9.6	10	13	16.3
	Btu/h	19,100	22,178	25,600	29,002	32,755	34,120	44,356	55,616
Motor Power	W	40	40	70	70	70	80	130	160
Air Flow Rate (H/M/L)	m^3/h	780/660/520	780/660/540	966/840/678	966/840/678	1,110/912/732	1,176/978/798	1,488/1,230/978	1,980/1,680/1,380
Noise Level (Ceiling)	dB(A)	39/35/30	39/34/29	45/41/37	44/41/36	42/38/32	44/39/35	50/44/39	50/46/41
Noise Level (Floor)	dB(A)	43/38/35	43/38/35	48/44/40	48/44/40	46/41/37	48/43/39	54/49/43	55/50/46
Outer Dimensions	mm	990x680x230	990x680x230	990x680x230	990x680x230	1,285x680x230	1,285×680×230	1,285×680×230	1,580x680x230
Net Weight	kg	31	31	32	32	39	40	41	47
Gross Weight	kg	38	38	39	39	46	47	48	56
Refrigerant		R410A(Nitrogen-charged for Corrosion-resistance)							
Piping Connections		Flare-nut Connection(with Flare Nuts)							
Liquid Line	mm	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		VP25(Outer Diameter Φ32)							
Packing Dimensions	mm	1,110x830x340				1,400x830x340			1,690x830x340
Speed-up Setting HH1	m^3/h	852	852	1,068	1,068	1,188	1,272	1,620	2,160
Speed-up Setting HH2	m^3/h	960	960	1,200	1,200	1,338	1,410	1,752	2,244

NOTES:

1.The nominal cooling capacity and heating capacity are based on following condations:
Cooling Operation Condations
Indoor Air Inlet Temperature: 27℃ DB（80°F DB）19℃ WB（66.2°F DB）
Outdoor Air Inlet Temperature: 35℃ DB（95°F DB）
Piping Length: 5.0Meter Piping Lift: 0Meter
Heating Operation Condations
Indoor Air Inlet Temperature: 20℃ DB（68°F DB）
Outdoor Air Inlet Temperature:7℃ DB（45°F DB）6℃ DB（43°F DB）

2. The sound pressure level is based on following condations:
1.0m beneath the unit,1.0m from Discharge Grille.
The above data was measured in an anechoic chamber so that 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.

Wall Mounted Type

Elegant Smooth Panel Design with Hidden LED Display

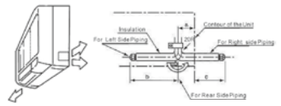
The quality of “elegance” is additionally provided to meet contemporary needs. Features a simple, smooth form that harmonizes with any interior style. Smooth panel design can be cleaned easily.

Anti-mold Filter

Anti-mold filter is equipped as standard accessory.

Free Installation

Water drain pipe can be set either left or right sides of the unit
Connection pipe can be set in left, right or back side of the unit



Compact and Light Weight, Allowing Easy Installation

Designed with ease of installation in mind, this new model adopts a slim design and uses a high proportion of lightweight resin parts. Unit weight has been vastly reduced.

Sleep Mode Bring You Comfortable Temperature for Good Sleep

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

Quiet Operation for Super Low Sound Level

One touch quiet operation can set system work in super low speed and you will get very low noise level to 28 dB(A)

*The wireless remote controller HYE-L01 is standard for New Wall Mounted Type

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

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

Floor Concealed Type

Compact design fitting into a tiny space

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

Outdoor Unit Specifications

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

NOTES:

1.The nominal cooling capacity and heating capacity are based on 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 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
(For G+/G/X/M/R Series)

Create Comfortable and Healthy Indoor Environment

Create a comfortable and healthy indoor environment by introducing fresh outdoor air. By heating or cooling fresh outdoor air to almost the same temperature as room temperature, fresh ambient air can be adapted and then introduced into indoor room. Besides, after filtered, fresh outdoor air in transition seasons can be drawn to indoor room directly with no need of heating or cooling operation, While fresh outdoor air is introduced, other indoor units don't bear fresh air load.

Higher External Static Pressure

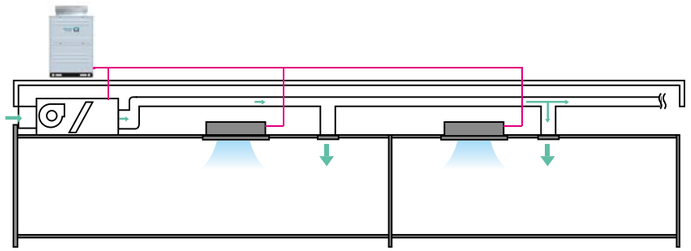
Better installation flexibility at site, longer duct can be connected.

Flexible Line-up to Hi-FLEXi Series

All fresh air indoor units are applicable to Hi-FLEXi G+, G, X, M and R series outdoor units. General indoor units and all fresh air indoor units can be used together in Hi-FLEXi G, M and R series system.

Advanced Contol

Can be interfaced to central control system. Easy electrical wiring design and installation.



Indoor unit			All Fresh Air Indoor Unit			
Model		AC1Φ, 220~240V/50Hz	AVA-30 UXCSCH-70	AVA-48 UXCSQH-108	AVA-76 UXCSRH-168	AVA-96 UXCSRH-210
Power Supply		AC1Φ 220 V/60Hz			AVA-76 UX2SRH-168	AVA-96 UX2SRH-210
Combined Outdoor Unit Model			Hi-FLEXi G+/G/X/M/R Series			
Nominal Cooling Capacity		kW	9.0	14 .0	22.4	28.0
		Btu/h	30,700	47,800	76,500	95,600
Nominal Heating Capacity		kW	8.6	13.7	21.9	24.5
		Btu/h	29,400	46,800	74,700	83,600
Motor Power		W	150	330	490	510
Outer Dimensions	H	mm	370	370	486	486
	W	mm	920	1,320	1,270	1,270
	D	mm	800	800	1,069	1,069
Noise Level		dB(A)	32	43	45	46
Net Weight		Kg	46	60	97	97
Refrigerant			R410A(Nitrogen-charged for Corrosion-resistance)			
Air Flow Rate		m^3/h	660	1,080	1,680	2,100
External Static Pressure		Pa	60（120）	200	220	220
Air Inlet Size		mm	833×306	1233×306	1,100×415	1,100×415
Air Outlet Size		mm	803×220	1203×220	1,106×338	1,106×338
Drain Pipe Size			VP25, Outer Diameter: Φ32mm			
Refrigerant Liquid Line		mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53
Refrigerant Gas Line		mm	Φ15.88	Φ15.88	Φ19.05	Φ22.2
Temperature Range of Fresh Air Drawn			Cooling: 20℃ ~43℃ , Heating: -7℃ ~15℃			

All Fresh Air Indoor Unit

Indoor unit			All Fresh Air Indoor Unit			
Model Power Supply		AC3Φ, 380~415V/50Hz	AVA-114 UX6SRH-300	AVA-154 UX6SSH-400	AVA-190 UX6STH-500	AVA-190 UX6STH-600
		AC3Φ, 380V/60Hz	AVA-114 UX7SRH-300	AVA-154 UX7SSH-400	AVA-190 UX7STH-500	AVA-190 UX7tSTH-600
Combined Outdoor Unit Model			Hi-FLEXi G+/G/X/M/R Series			
Cooling Capacity		kW	33.5	45.0	56.0	56.0
		Btu/h	114,300	153,600	191,100	191,100
Heating Capacity		kW	26.8	36.0	44.8	44.8
		Btu/h	91,500	122,900	152,900	152,900
Motor Power		W	740	1120	1330	1620
Outer Dimensions	H	mm	486	635	735	735
	W	mm	1,270	1,950	1,950	1,950
	D	mm	1,069	805	805	805
Sound Pressurd Level		dB(A)	56	61	64	66
Net Weight		Kg	97	196	222	222
Refrigerant			R410A			
Indoor Fan Air Flow Rate		m^3/h	3,000	4,000	5,000	6,000
External Static Pressure		Pa	220	300	320	300
Air Inlet Size		mm	1,100×415	1,522×522	1,522×622	1,522×622
Air Outlet Size		mm	1,106×338	850×272	850×272	850×272
Drain Pipe Size			VP25,Outer Diameter: Φ32mm	RC1(Internal Screw)		
Refrigerant Liquid Line Size		mm	Φ12.7	Φ12.7	Φ15.88	Φ15.88
Refrigerant Gas Line Size		mm	Φ25.4	Φ25.4	Φ28.6	Φ28.6
Temperature Range of Fresh Air Drawn			Cooling: 20℃ ~43℃ , Heating: -7℃ ~15℃			

NOTES:

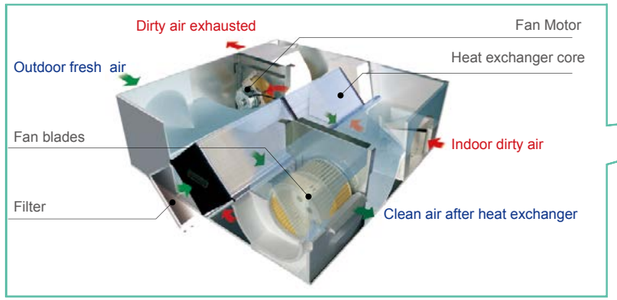
1.The nominal cooling capacity and heating capacity are based on following conditions
Cooling operation conditions: 33℃ DB, 28℃ WB, piping length: 7.5m, piping lift: 0m
Heating operation conditions: 0℃ DB, -9℃ WB, piping length: 7.5m, piping lift: 0m
(Heating capacity is tested when defrosting is not available)
2.The sound pressure level is based on following conditions: 1.5 Meter beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the filed.
3.An air filter with duct collection efficiency more than 50% needs to be attached to the duct system of the suction side at site.
4.When the resistance of the filed-supplied duct is small, it may cause abnormal stop, malfunction, spraying water, etc.Due to excessive air flow. And the duct, which is to be connected to this unit, shall be insulation for dew protection.
5.All fresh air indoor unit is for processing fresh air load and not for stabilizing the room temperature. For adjusting the air conditioning load of the room, the additional air conditioner is required.
6.This unit shall be connected to Hi-FLEXi G, M and R series outdoor units. In case of connecting this unit with other indoor units in the same refrigerant cycle,calculate the capacity of this unit as 46.1KBtu/h(30.7KBtu/h), 71.7KBtu/h(47.8KBtu/h), 143.3KBtu/h(95.6KBtu/h).
7.When Hi-Flexi outdoor unit connected to only with all fresh air indoor unit, the configuration rate is 100% (Recommended).
8.Under cooling mode,when outdoor temperature is lower than 20℃ ,the system will automatically shift to ventilation operation; Under heating mode, when outdoor temperature is higher than 15℃ the system will automatically shift to ventilation operation; In case inlet temperature is below -7℃ all fresh air unit will stop.

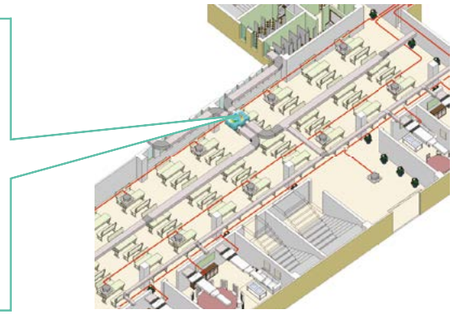
Heat Recovery Ventilator

Build a More Comfortable, Healthy and Energy-saving Living Space, Hisense High-performance Heat Recovery Ventilator

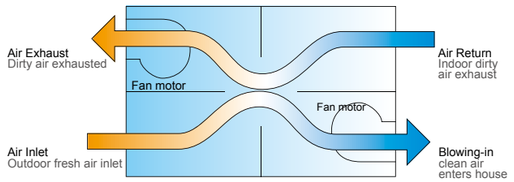
Hisense heat recovery ventilator adopts efficient convective transfer material to effectively recycle the heat losses due to ventilation, reduces the fresh air load, achieves the purpose of energy saving and lower running cost of air conditioning unit, fresh air is supplied to indoors continuously which can make your room more comfortable and healthy.

Basic Structure and Operation Principle

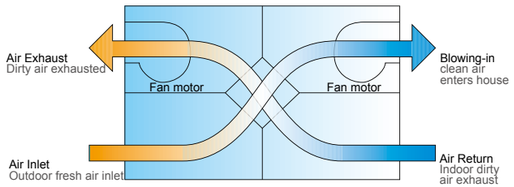




Airflow System



HKF-15B2EC~HKF-100B2EC

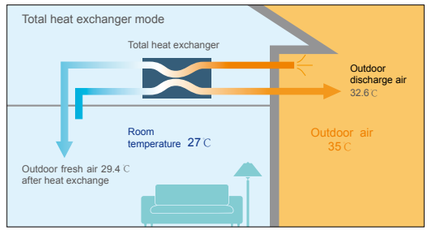


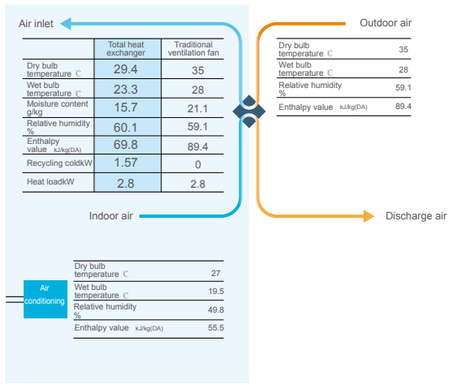
HKF-150B2EE~HKL-500B2EE

Energy Saving Analysis

Summer Energy Saving Analysis

VS ordinary ventilation fan





	Total heat exchanger	Traditional ventilation fan
Dry bulb temperature ℃	29.4	35
Wet bulb temperature ℃	23.3	28
Moisture content g/kg	15.7	21.1
Relative humidity %	60.1	59.1
Enthalpy value kJ/kg(DA)	69.8	89.4
Recycling coldkW	1.57	0
Heat loadkW	2.8	2.8

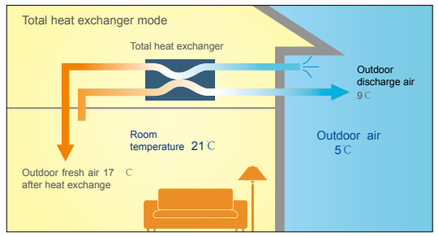
Dry bulb temperature ℃	35
Wet bulb temperature ℃	28
Relative humidity %	59.1
Enthalpy value kJ/kg(DA)	89.4

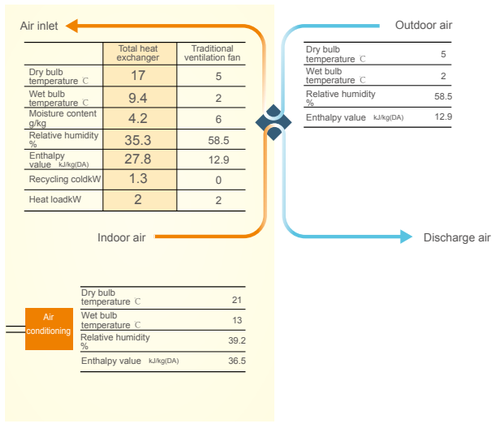
Dry bulb temperature ℃	27
Wet bulb temperature ℃	19.5
Relative humidity %	49.8
Enthalpy value kJ/kg(DA)	55.5

In summer operation, when the cold energy of 27℃ air discharged from indoor pass through the heat exchanger, the 35℃ outdoor hot air is pre-cooled to 29. 4℃ fresh air and supplied to indoors, as shown above, the air conditioner only needs to cool the air by 2.4℃ to maintain a comfortable room temperature and fresh air. In this process, the discharge air pre-cools the fresh air by HRV, The temperature recovery efficiency in cooling is 70% max, and enthalpy exchange efficiency is 57% max.

Winter Energy Saving Analysis

VS ordinary ventilation fan





	Total heat exchanger	Traditional ventilation fan
Dry bulb temperature ℃	17	5
Wet bulb temperature ℃	9.4	2
Moisture content g/kg	4.2	6
Relative humidity %	35.3	58.5
Enthalpy value kJ/kg(DA)	27.8	12.9
Recycling coldkW	1.3	0
Heat loadkW	2	2

Dry bulb temperature ℃	5
Wet bulb temperature ℃	2
Relative humidity %	58.5
Enthalpy value kJ/kg(DA)	12.9

Dry bulb temperature ℃	21
Wet bulb temperature ℃	13
Relative humidity %	39.2
Enthalpy value kJ/kg(DA)	36.5

In winter operation, when the heat energy of 27℃ air discharged from indoor pass through the heat exchanger, the 5℃ outdoor cold air is pre-heated to 17℃ fresh air and supplied to indoors, as shown above, when outdoor 5℃ air and indoor 21℃ air pass through the HRV, the fresh air supplied to indoors is about 17℃, the air conditioner only needs to heat the air by 5℃ to maintain a comfortable room temperature and fresh air. The temperature recovery efficiency in heating is 75% max, and enthalpy exchange efficiency is 63% max.

Very Low Noise

Through a low-noise fan motor, advanced internal silence insulation device and optimization of air passage, the units have low noise.
The minimum operating noise is only 28dB (A), which will not affect the user's sleep and rest at all.

Street | Quiet library | Bedroom The noise of 30dB will not affect sleep. | Hisense Total Heat Exchanger HKF-15B1(2)EC*

With Flexible Control, It Has Access to Centralized Control of Hisense Air Conditioning System

Controller

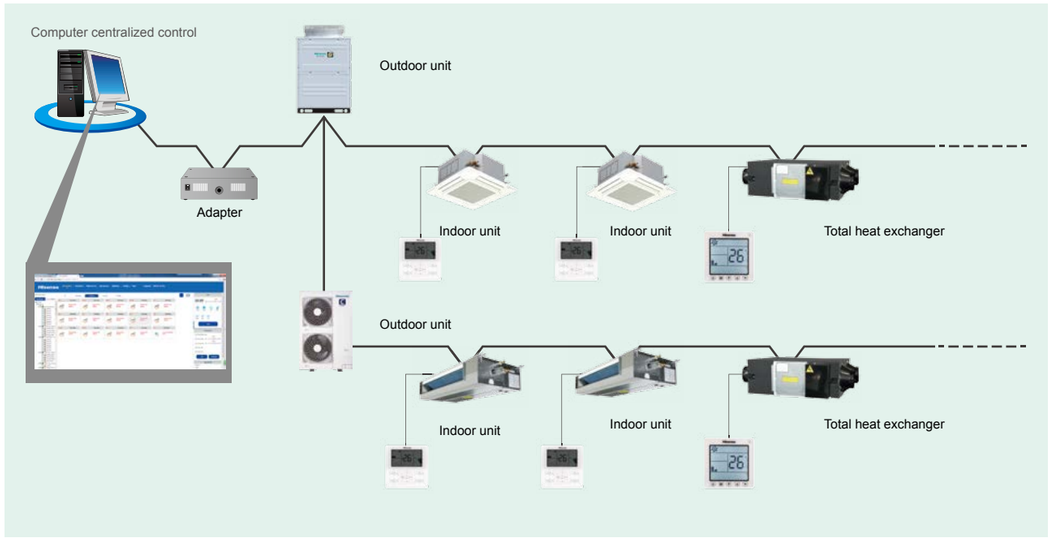
LCD Wired Remote Controller - Standard

- Large LCD screen interface, elegant appearance
- Can display room temperature, fan speed and so on
- Air volume setting function, the user can choose high, medium and low fan speed
- Product dimension:86*86mm

HYXE-G01H

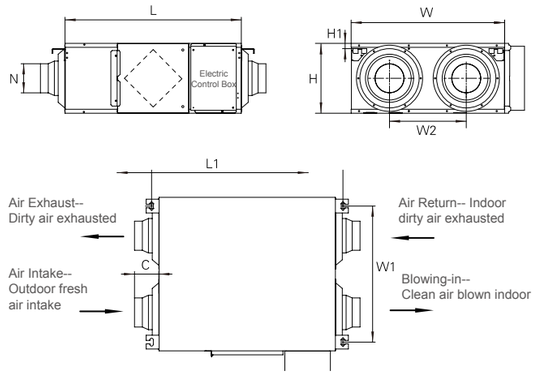
Centralized Control System

Hisense centralized control type total heat exchanger products can be connected to the centralized control system of Hisense air conditioning*, achieve the linkage with air conditioning system and centralized control, so the operation is more convenient and more intelligent!

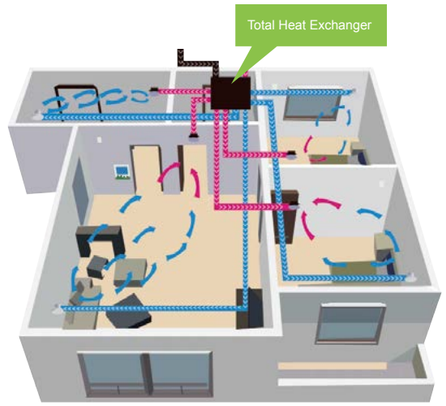


HKF-15B2EC

Product Dimensions



Model	L	L1	W	W1	W2	H	C	N	H1
HKF-15B2EC*	665	723	580	514	290	265	90	Φ144	20



Technical Parameters

Model	Air Volume m³/h			Enthalpy Efficiency (Summer) η !			Enthalpy Efficiency (Winter) η !			External Static Pressure Pa			Power Supply	Input Current A			Input Power KW			Noise Level dB(A)			Weight kg
	High	Middle	Low	High	Middle	Low	High	Middle	Low	High	Middle	Low		High	Middle	Low	High	Middle	Low	High	Middle	Low	
HKF-15B2EC*	150	150	110	58	58	60	65	65	69	85	70	65	220-240V /50HZ	0.38	0.36	0.31	2×0.041	2×0.038	2×0.029	30	29	28	25

*: 220V/60Hz HKF-15B2E2

Product Feature

Compact Machine, Convenient Installation.

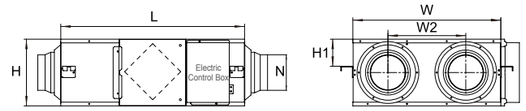
The thickness of machine is not more than 270mm that can be easily installed in the narrow residential ceiling. The width of the machine whose volume is under 300 m³/h is less than 600mm, which is particularly suitable for very narrow spaces in the ceiling, and can save the space of installation and ceiling, it is more convenient for construction.

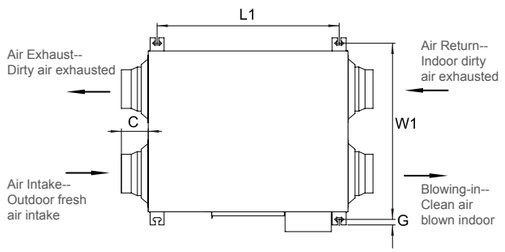
Adjustable Air Volume, Quiet Operation.

The air volume can be adjusted at a range of high, medium, or low level, the lowest noise in low level is only 28 dB(A) (HKF-15B1(2)EC in low level), which reaches the lowest level in the industry.

HKF-25B2EC~HKF-100B2EC

Product Dimensions





Model	L	L1	W	W1	W2	H	C	G	N	H1
HKF-25B2EC*	745	675	600	656	315	270	90	19	Φ144	110
HKF-35B2EC*	745	675	805	861	480	270	90	19	Φ144	110
HKF-50B2EC*	825	755	905	961	500	270	96	19	Φ194	110
HKF-65B2EC*	1115	1050	885	941	430	390	80	19	Φ242	175
HKF-80B2EC*	1115	1050	1135	1191	675	390	80	19	Φ242	175
HKF-100B2EC*	1115	1050	1135	1191	675	390	80	19	Φ242	175

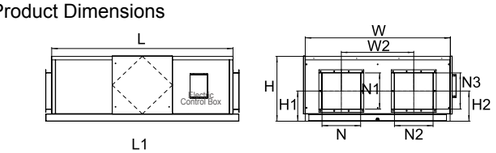
Technical Parameters

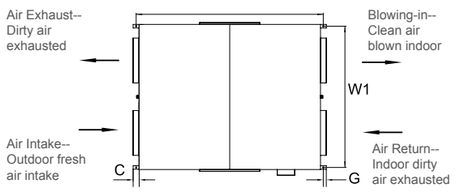
Model	Air Volume m³/h			Enthalpy Efficiency (Summer)η ‖			Enthalpy Efficiency (Winter)η ‖			External Static Pressure Pa			Power Supply	Input Current A			Input Power kW			Noise Level dB(A)			Weight kg
	High	Middle	Low	High	Middle	Low	High	Middle	Low	High	Middle	Low		High	Middle	Low	High	Middle	Low	High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

*: 220V/60Hz HKF-25B2E2~HKF-100B2E2

HKF-150B2EE~HKF-200B2EE

Product Dimensions





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

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

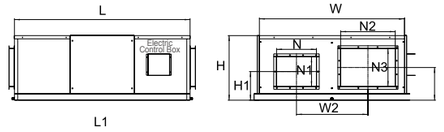
Technical Parameters

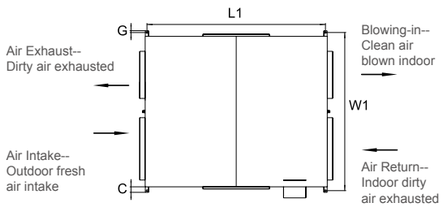
Model	Air Volume m³/h	Enthalpy Efficiency (Summer)η ‖	Enthalpy Efficiency (Winter)η ‖	External Static Pressure Pa	Power Supply	Input Current A	Input Power	Noise Level dB(A)	Weight kg
HKF-150B2EE*	1500	55	63	180	380~415V/50Hz	2.78	2×0.41	48	151
HKF-200B2EE*	2000	54	62	160		2.89	2×0.52	49	172

* : AC3Φ220V/60Hz HKF-150B2E9 HKF-200B2E9
AC3Φ380V/60Hz HKF-150B2EF HKF-200B2EF

HKF-250B2EE~HKF-300B2EE

Product Dimensions





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

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

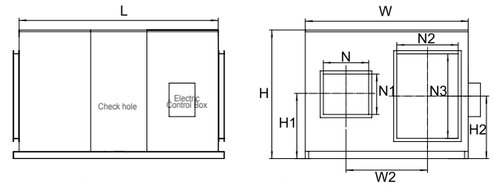
Technical Parameters

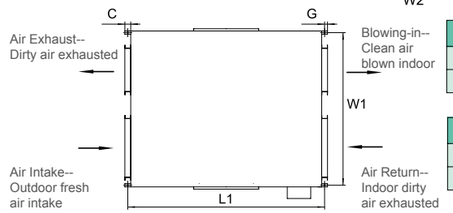
Model	Air Volume m³/h	Enthalpy Efficiency (Summer)η ‖	Enthalpy Efficiency (Winter)η ‖	External Static Pressure Pa	Power Supply	Input Current A	Input Power kW	Noise Level dB(A)	Weight kg
HKF-250B2EE*	2500	54	62	180	380~415V/50Hz	3.86	2×0.72	53	185
HKF-300B2EE*	3000	55	63	200		5.12	2×1.16	56	222

* : AC3Φ220V/60Hz HKF-250B2E9 HKF-300B2E9
AC3Φ380V/60Hz HKF-250B2EF HKF-300B2EF

HKL-400B2EE~HKL-500B2EE

Product Dimensions





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

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

Technical Parameters

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

* : AC3Φ220V/60Hz HKF-400B2E9 HKF-500B2E9
AC3Φ380V/60Hz HKF-400B2EF HKF-500B2EF

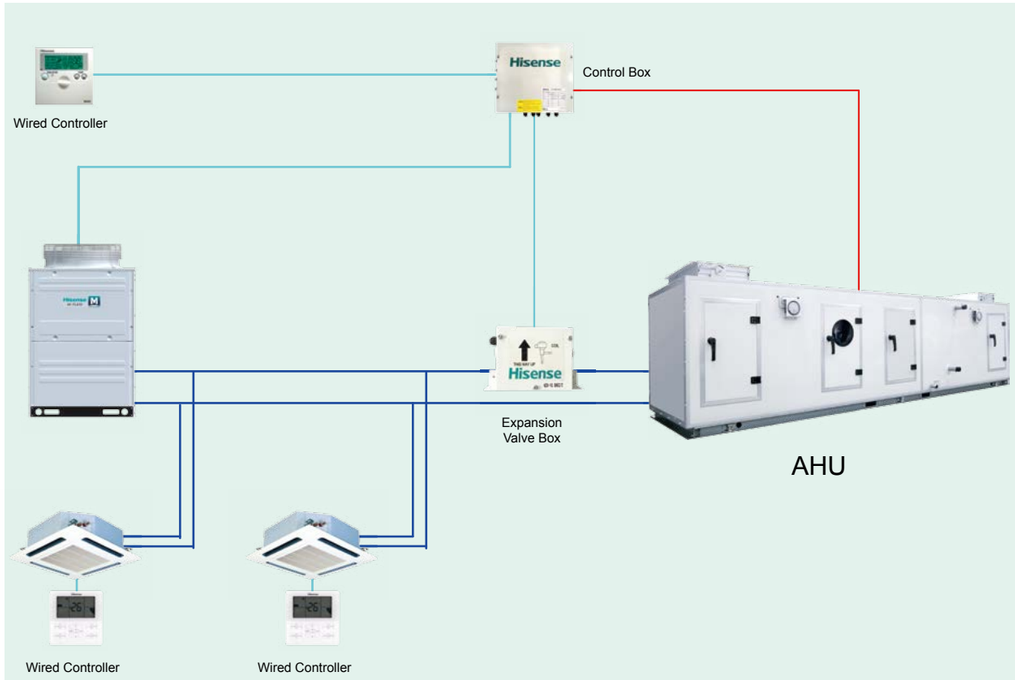
AHU Connection KIT

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

Main Function

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

Refrigerant pipe
Sensor signal
Communication wire



Multi combination with AHU and standard indoor unit, only for HZX-2.0 ~ 6.0AEC (2-6HP).
Single combination with only AHU, for HZX-10.0AEC (8-10HP) and HZX-20.0AEC(12-20HP).
AHU-KIT multi connection for one big AHU (22-54HP).

Selection and Limitation of Heat Exchanger of AHU

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

AHU Connection KIT			HZX-2.0AEC	HZX-4.0AEC	HZX-6.0AEC	HZX-10.0AEC		HZX-20.0AEC				
Model Power Supply			AC1Ø 220~240V/50HZ,220~240V/60HZ									
Nominal Capacity of AHU		HP	2	4	6	8	10	12	14	16	18	20
Allowed Heat Exchanger Capacity（H/M/L）	Cooling	KW	4.0	7.1	11.2	16.0	20.0	28.0	33.5	40.0	45.0	50.0
		KW	5.0	9.0	14.0	20.0	25.0	30.0	35.0	43.0	48.0	52.0
		KW	5.6	11.2	16.0	22.4	28.0	33.5	40.0	45.0	50.0	56.0
	Heating	KW	4.5	8.0	12.5	17.9	22.4	31.5	37.5	45.0	50.0	56.0
		KW	5.6	10.0	16.0	22.4	28.0	33.5	40.0	47.5	53.0	60.0
		KW	7.1	12.5	18.0	25.0	31.5	37.5	45.0	50.0	56.0	63.0
Heat Exchanger Volume	Min	dm^3	0.57	1.03	1.92	2.92	3.89	4.76	5.85	6.79	7.57	8.47
	Max	dm^3	1.16	2.37	2.92	3.89	4.76	5.91	6.89	8	8.92	9.97
Equivalent Indoor Unit Capacity		HP	2	4	6	8	10	12	14	16	18	20
Control Box Model			HZX-AEC/1									
Expansion Valve Box Model			HZX-2.0 AEC/2	HZX-4.0 AEC/2	HZX-6.0 AEC/2	HZX-10.0 AEC/2		HZX-20.0 AEC/2				

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

Operation conditions		Cooling	Heating
Indoor air inlet temperature	DB	27.0℃	20.0℃
	WB	19.0℃	—
Outdoor air inlet temperature	DB	35.0℃	7.0℃
	WB	—	6.0℃

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

Control System

- Wired Controller
- Wireless Controller
- Centralized Controller
- Receiver Kit for Wireless Control-Optional
- Building Management System

Wired Controller

HYXE-J01H

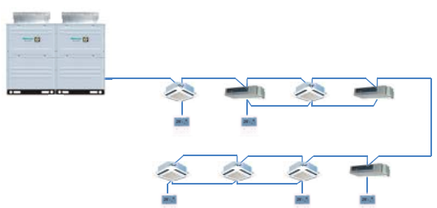
Features:

4 inch large LCD screen with a resolution of 320×185.
Functions are displayed in iconic form, more intuitive.
Operation navigation, more convenient.
It can be used in main-auxiliary control mode or in concert with wireless receiver.
Various displaying settings: backlit control, contrast ratio setting, backlit displaying time setting, keytone setting, indicator light brightness setting, clock setting, language switch (Between **Chinese, English, Spanish, Italian, German.**)
Max.16 indoor units can be connected.

Main Functions

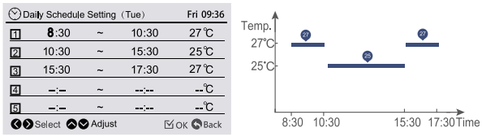
- Cooling/Heating/Dry/Fan/Auto
- Fan speed/Swing Louver
- Temperature Setting
- Timer
- Holiday Setting
- Weekly Timer
- Check
- Air Filter Cleaning Reminding
- Error Code Display
- Error History Display
- Mode Lock
- Address Setting

Various Control Solutions



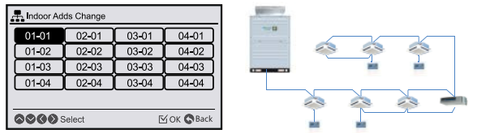
Weekly Timer Setting

Five different schedule timers can be set for each day of the week.



Indoor Unit Address Change

In the process of installation work, indoor unit address can be changed through wired controller HYXE-J01H.



HYXE-A01H

Main Functions

- Max.16 indoor units can be connected.
- Cooling/Heating/Dry/Fan/Auto
- Fan Speed/Swing Louver
- Timer
- Test Run
- Air Filter Cleaning Reminder
- Check
- Temperature Setting
- Error Code Display

HYXE-F01H

Feature:

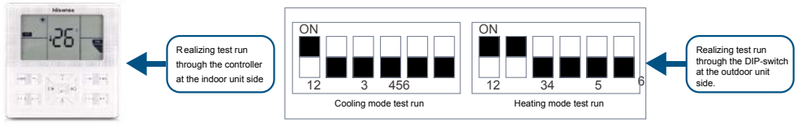
Fashion appearance with crystal panel and keys
Large LCD backlit screen
Max.16 indoor units can be connected.

Main Functions

- Cooling/Heating/Dry/Fan/Auto
- Fan Speed/Swing Louver
- Temperature Setting
- Timer
- One Touch Test Run
- Air Filter Cleaning Reminder
- Error Code Display
- Check

One-touch Test Run

The one-touch test run can be operated at the outdoor unit side, and it can also be operated at the indoor unit side, which makes it much easier for the commissioning.



HYXE-G01H

Features:

Compact structure with a size of 86×86mm.
Large LCD backlit screen, simple appearance.
Built-in wireless receiver under the panel, two kinds of control mode for selection.

Main Functions

- Cooling/Heating/Dry/Fan/Auto
- Fan Speed/Swing Louver
- Temperature Setting
- Timer
- Built-in Wireless Receiver
- Air Filter Cleaning Reminder
- Error Code Display
- Check

Compact structure design

Wired Controller

HYXE-M01H

Features:

Streamline appearance design, white highlight shell
Large LCD screen, humanized operation interface
Touch key control, easy and convenient
White backlight; operation indicator light
Infrared remote control is acceptable, realizing two control method: wired control and remote control

Main Functions

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

Wireless Controller

HYE-W01

Features:

Different colors of common used keys
White backlight, convenient for night operation
Multi-functional, intelligent and humanized

Main Functions

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

HYE-L01 / HYE-Q01

HYE-L01 / HYE-Q01

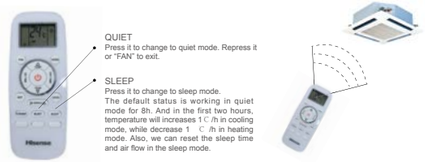
Feature:

Latest wireless controller with fashionable look.
Newly extended sleep mode and quiet mode.

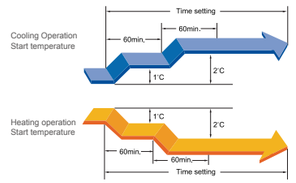
Main Functions

- Cooling/Heating/Dry/Fan/Auto
- One Touch Test Run
- Sleep Mode Setting (HYE-L01)
- Fan Speed/Swing Louver
- Air Filter Cleaning Reminder
- Quiet Mode Setting (HYE-L01)
- Temperature Setting
- Timer
- Error Code Display
- Check

Newly Extended Sleep Mode and Quiet Mode



Wide Control Angle



Receiver Kit for Wireless Control - Optional

Centralized Controller

Centralized ON/OFF Controller: HYJ-J01H

Features:

Large size touch-key control design.
Slim design with a thickness of 13mm
It can control up to 16 wired controller groups，realizing centralized ON/OFF control.
Max.128 indoor units can be connected.

Main Functions

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

Compact Structure Design

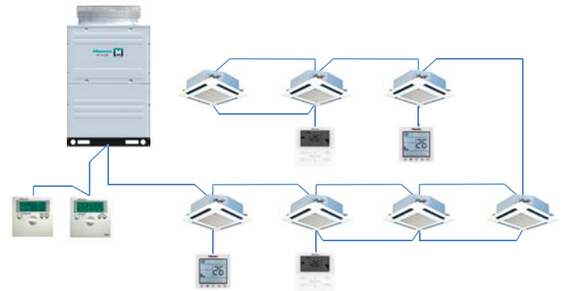
Centralized ON/OFF Control

Centralized Controller

7-Day Timer: HYDE-E01H

Main Functions

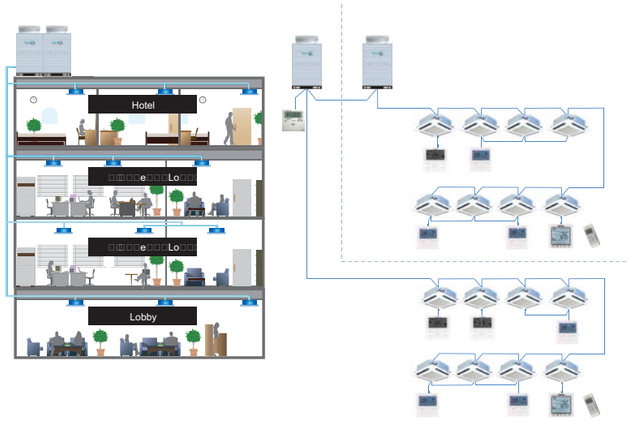
- Max.160 indoor units can be connected.
- 3 Periods Setting on Weekday
- Holiday Setting
- Two Modes of Timetable
- Timer



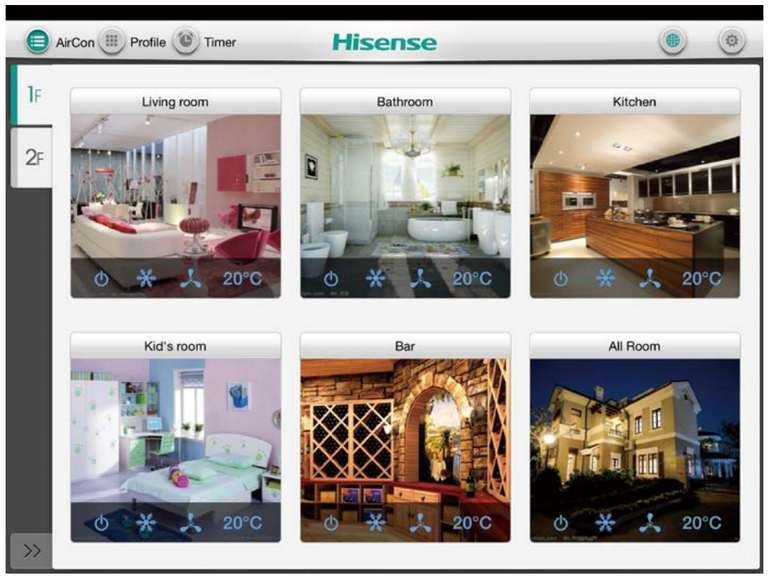
Central Controller: HYJE-D02H

Main Functions

- Max.160 indoor units can be connected.
- Cooling/Heating/Dry/Fan/Auto
- Operation Monitoring
- Temperature Setting
- Indoor Unit Selection
- Fan Speed/Swing Louver
- Controller Disable
- Error Code Display
- Check



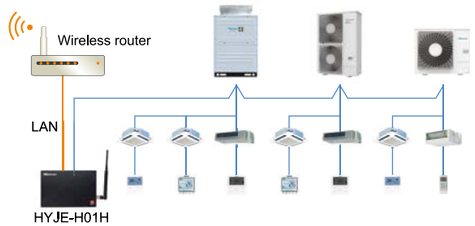
Hi-Mit



Main Functions

- ON/OFF control, operation mode, temperature.
- Setting, air flow setting.
- Operate according to a schedule.
- Display the alarm code.
- Contextual model function can be set, e.g.
- Off Home model and Energy-Saving model.
- Max.32 indoor units can be controlled.
- Dimension: 215*137*38cm.

iPad
Android Phone



Adapter Specifications

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

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

Type		Wired Controller				Wireless Controller		
Model		HYXE-F01H	HYXE-G01H	HYXE-J01H	HYXE-M01H	HYE-Q01	HYE-L01	HYE-W01
Picture								
Suit for indoor unit	Duct Type	○	○	○	○	○	○	○
	4-Way Cassette	○	○	○	○	○	○	○
	4-Way Cassette（compact）	○	○	○	○	○	○	○
	1-Way Cassette	×	×	×	○	×	×	○
	2-Way Cassette	○	×	○	○	○	○	○
	Ceiling&Floor	○	○	○	○	○	○	○
	Wall Mounted	○	○	○	○	√	√	○
	Floor Conocealed	○	○	○	○	○	○	○
	DC Low Height	○	○	△	○	○	○	△
	All Fresh Air Indoor Unit	○	○	○	○	○	○	○
	Total Heating Exchanger	×	○	×	○	○	○	○
	3D Air-flow Panel	×	×	×	○	×	×	○

Type		Receiver Kit			7 Day Timer	Centralized Controller		ON/OFF
Model		HYRE-V02H	HYRE-T02H	HYRE-X01H	HYDE-E01H	HYJE-D01H	HYJE-D02H	HYJ-J01H
Picture								
Suit for indoor unit	Duct Type	○	×	×	○	○	○	○
	4-Way Cassette	×	○	×	○	○	○	○
	4-Way Cassette（compact）	×	×	×	○	○	○	○
	1-Way Cassette	×	×	○	○	○	○	○
	2-Way Cassette	○	×	×	○	○	○	○
	Ceiling&Floor	○	×	×	○	○	○	○
	Wall Mounted	○	×	×	○	○	○	○
	Floor Conocealed	○	×	×	○	○	○	○
	DC Low Height	○	×	×	○	○	○	○
	All Fresh Air Indoor Unit	○	×	×	○	○	○	○
	Total Heating Exchanger	×	×	×	○	○	○	○
	3D Air-flow Panel	○	×	×	×	×	×	×

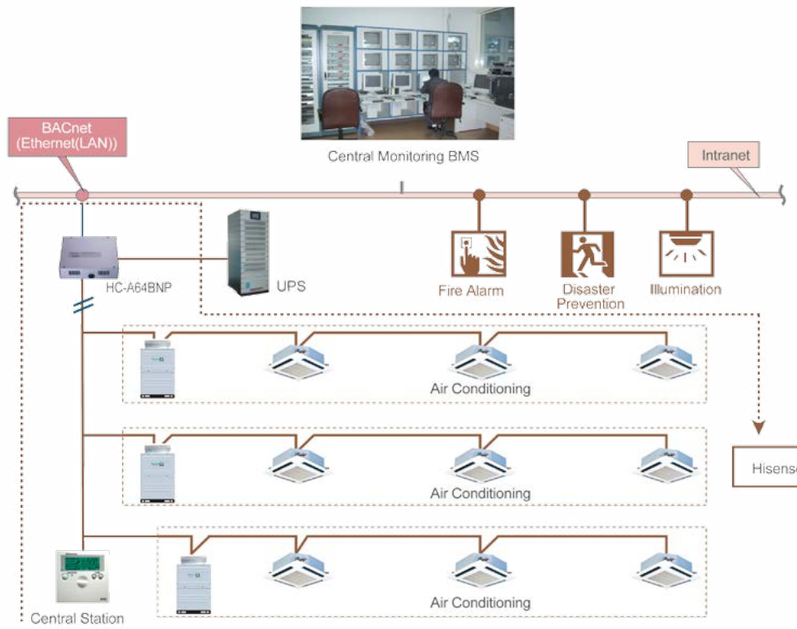
Remarks: ○ Compatible × Incompatible △recommand √recommand

Building Management System

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

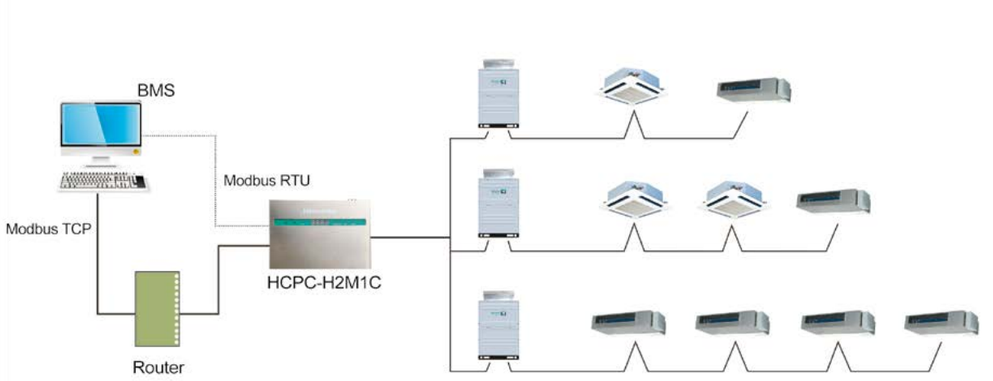
Real-time operation status monitoring for inquiry
Operation order from monitoring center

HC-A64BNP BACnet



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

HCPC-H2M1C Modbus



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

Converter Specifications

Item \ Converter	HC-A64BNP	HCPC-H2M1C
		
BMS connection	BACnet	Modbus
Power supply	AC100~240V±10%(50/60Hz)	AC100~240V±10%(50/60Hz)
Connectable central controller	HYJE-D02H	Hi-Dom, HYJ-J01H
MAX.number of connectable indoor units	64	64
Dimension（LxWxH）	240mm×204mm×70mm	220mm×140mm×50mm

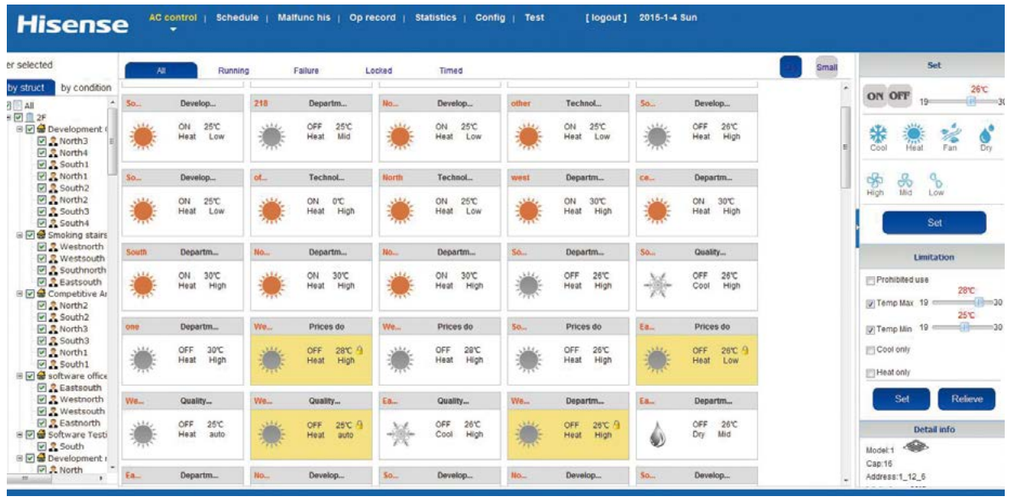
Hi-Dom Air Conditioning Management System

Centralized Control

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

Main Functions

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

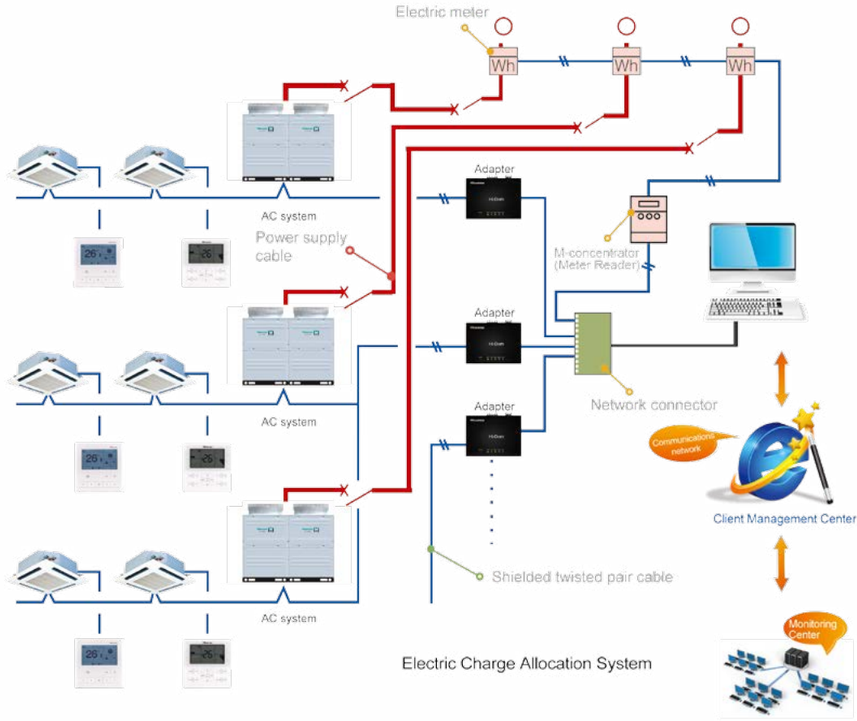


All the indoor units and outdoor units connected with one adapter comprise one communication BUS system .
Max.128 indoor units can be connected to a BUS system.
Max.32 adapters can be controlled by one computer.
Max.4096 indoor units are under control.

Electric Charge Allocation

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

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

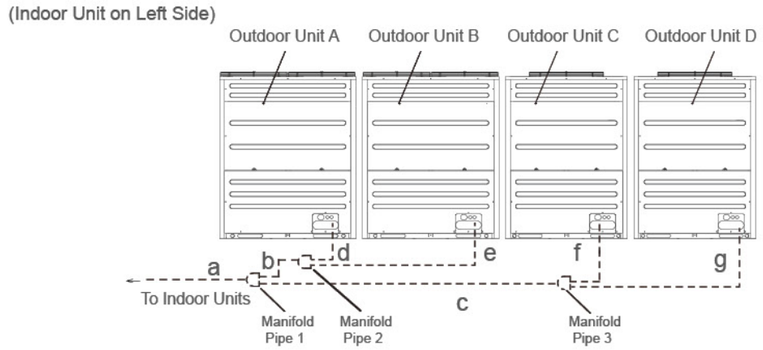


Hi-Dom System Specifications

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

Piping Connection Kit

Manifold Pipe (For outdoor unit)



For G+ Seris Heat Pump System

Outdoor Unit	AVWT-232UKSZA	AVWT-250~420UKSZA	AVWT-438~630UKSZA	AVWT-649~840UKSZA
Manifold Pipe1	HFQ-M22F	HFQ-M32F	HFQ-M462F	HFQ-M682F
Manifold Pipe2			HFQ-M32F	HFQ-M32F
Manifold Pipe3				HFQ-M32F

For G Series Heat Pump System

Outdoor Unit	AVWT-190~232UE(7)SZG1	AVWT-250~340UE(7)SZG	AVWT-364~510UE(7)SZG
Manifold Pipe 1	——	——	HFQ-M32F
Manifold Pipe 2	HFQ-M22F	HFQ-M32F	HFQ-M32F

For X Series Heat Pump System

Outdoor Unit	AVWT-480~AVWT-620
Outdoor Branch Pipe1	HFQ-M462F
Outdoor Branch Pipe2	HFQ-M32F
Outdoor Branch Pipe3	HFQ-M22F

For M Series Heat Pump System

Outdoor Unit	AVWT-182~232U6(7)SZ	AVWT-250~307U6(7)SZ	AVWT-328~386U6(7)SZ	AVWT-402~460U6(7)SZ
Manifold Pipe 1	——	——	HFQ-M32F	HFQ-M32F
Manifold Pipe 2	HFQ-M22F	HFQ-M32F	HFQ-M22F	HFQ-M32F

For R Series 2-Pipe Heat Pump System

Outdoor Unit	AVWT-190~232FE(7)SZ	AVWT-250~340FE(7)SZ	AVWT-364~510FE(7)SZ
Manifold Pipe 1	——	——	HFQ-M32F
Manifold Pipe 2	HFQ-M22F	HFQ-M32F	HFQ-M32F

For R Series Heat Recovery System

Outdoor Unit	AVWT-190~232FE(7)SZ	AVWT-250~340FE(7)SZ	AVWT-364~510FE(7)SZ
Manifold Pipe 1	——	——	HFQ-M302F
Manifold Pipe 2	HFQ-M202F	HFQ-M212F	HFQ-M302F

Branch Pipe (For indoor unit)

First Branch Pipe

For G+ Series 2-Pipe Heat Pump System

Outdoor Unit Hp	8 and 10	12 to 16	18 to 24	26 to 54	46 to 66	68 to 88
Branch Pipe	HFQ-102F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-462F	HFQ-682F

For G/X/M/R Series 2-Pipe Heat Pump System

Outdoor Unit Hp	8 and 10	12 to 16	18 to 24	26 to 54
Branch Pipe	HFQ-102F	HFQ-162F	HFQ-242F	HFQ-302F

For R Series Heat Recovery System

Outdoor Unit Hp	8 and 10	12 to 16	18 to 24	26 to 54	38 to 54
Branch Pipe	HFQ-M282F	HFQ-M452F	HFQ-M582F	HFQ-M692F	HFQ-M902F

Last Branch Pipe~Indoor Unit

For G+ Series 2-Pipe Heat Pump System

Total Indoor Unit HP	Lower than 6	6 to8.99	9 to11.99	12 to15.99	16 to17.99	18 to25.99	26 to33.99	34 to45.99	46 to57.99	58 to67.99	68
Gas (Φmm)	Φ15.88	Φ19.05	Φ22.2	Φ25.4	Φ28.6	Φ28.6	Φ31.75	Φ38.1	Φ41.3	Φ44.5	Φ50.8
Liquid (Φmm)	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ12.7	Φ15.88	Φ19.05	Φ19.05	Φ22.2	Φ22.2	Φ25.4
Branch Pipe	HFQ-102F			HFQ-162F		HFQ-242F	HFQ-302F		HFQ-462F		HFQ-682F

For G/X/M/R Series 2-Pipe Heat Pump System

Total Indoor Unit HP	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 25.99	26 to 35.99	Over 36
Gas (Φmm)	Φ15.88	Φ19.05	Φ22.2	Φ25.4	Φ28.6	Φ28.6	Φ31.75	Φ38.1
Liquid (Φmm)	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ12.7	Φ15.88	Φ19.05	Φ19.05
Branch Pipe	HFQ-102F			HFQ-162F		HFQ-242F	HFQ-302F	

For R Series Heat Recovery System

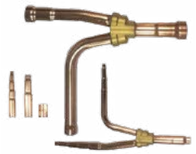
Total Indoor Unit HP	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 21.99	22 to 25.99	26 to 35.99	Over 36
Low Pressure Gas (Φmm)	Φ15.88	Φ19.05	Φ22.2	Φ25.4	Φ28.6	Φ28.6	Φ28.6	Φ31.75	Φ38.1
High Pressure Gas (Φmm)	Φ12.7	Φ15.88	Φ19.05	Φ22.2	Φ22.2	Φ22.2	Φ25.4	Φ28.6	Φ31.75
Liquid (Φmm)	Φ9.53	Φ9.53	Φ9.53	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ19.05	Φ19.05
Branch Pipe	HFQ-M142F	HFQ-M282F		HFQ-M452F	HFQ-M562F		HFQ-M692F		HFQ-M902F

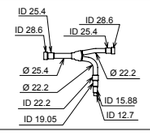
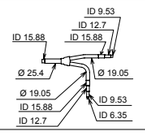
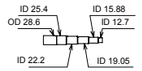
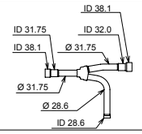
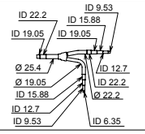
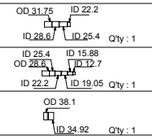
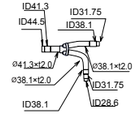
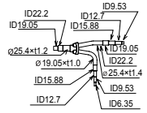
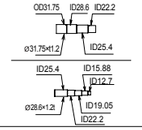
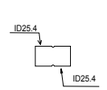
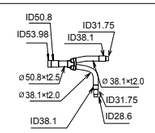
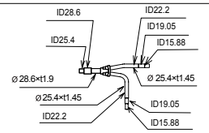
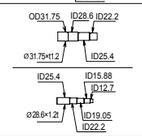
First Branch Pipe~ Last Branch Pipe

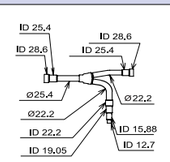
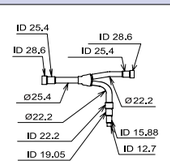
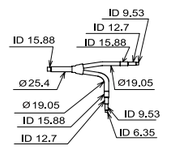
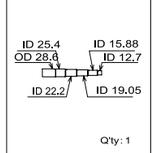
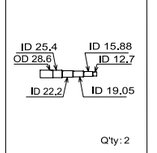
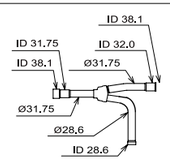
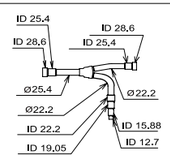
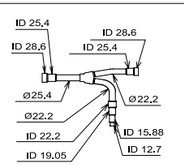
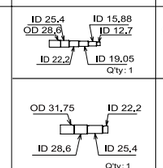
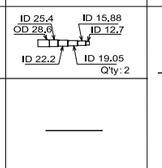
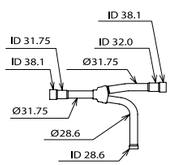
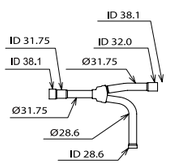
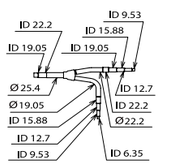
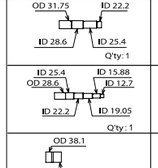
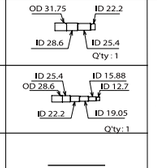
Indoor Unit	Pipe Size (Φmm)		Max. Liquid Pipe Length
	Gas Pipe	Liquid Pipe	
7kBtu/h~14kBtu/h	12.7	6.53	15
17kBtu/h~18kBtu/h	15.88	6.35*1	15
22kBtu/h~54kBtu/h	15.88	9.53	40
76kBtu/h	19.05	9.53	40
96kBtu/h	22.2	9.53	40

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

Manifold Pipe Parameter

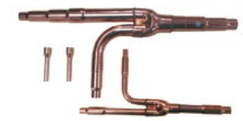


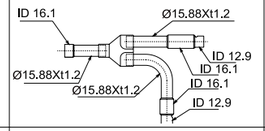
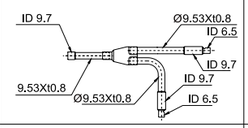
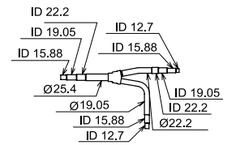
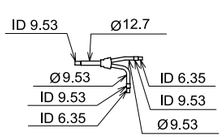
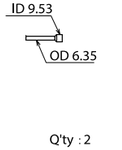
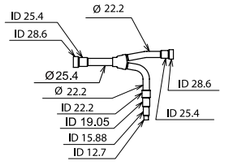
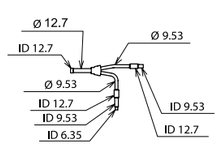
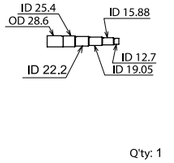
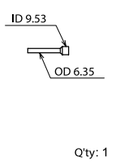
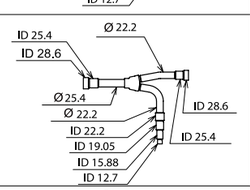
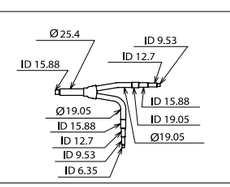
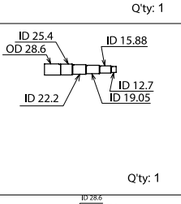
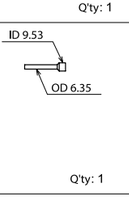
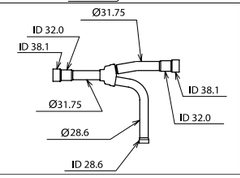
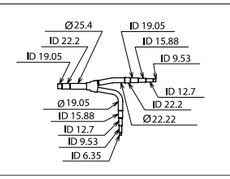
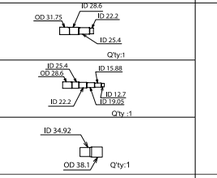
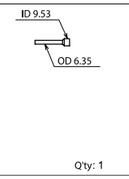
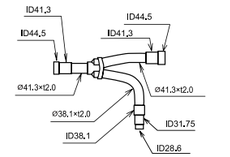
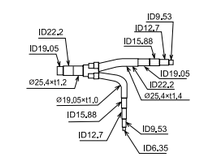
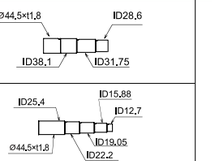
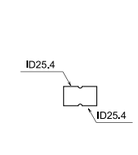
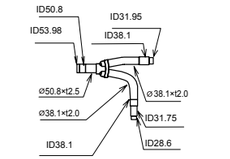
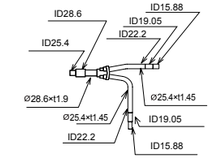
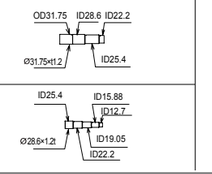
Model	Gas Line	Liquid Line	Reducer for Gas Line	Reducer for Liquid Line
HFQ-M22F				——
HFQ-M32F				——
HFQ-M462F				
HFQ-M682F				

Model	Low Pressure Gas Line	High Pressure Gas Line	Liquid Line	Reducer for Low Pressure Gas Line	Reducer for High Pressure Gas Line	Reducer for Liquid Line
HFQ-M202F						——
HFQ-M212F						——
HFQ-M302F						——

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

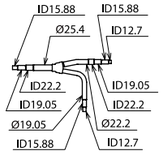
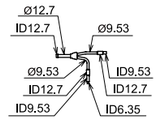
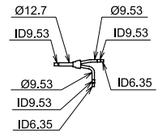
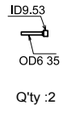
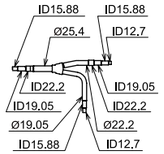
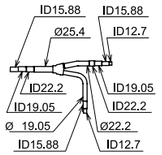
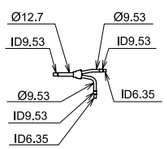
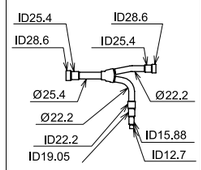
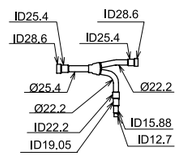
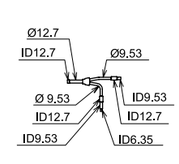
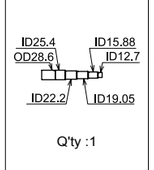
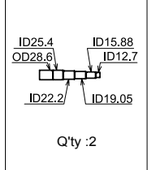
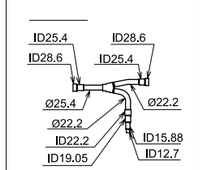
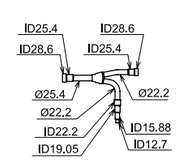
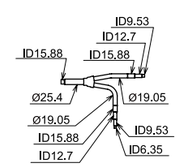
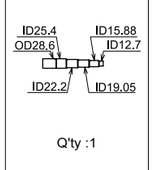
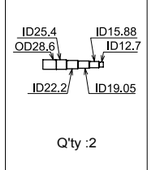
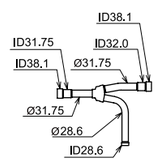
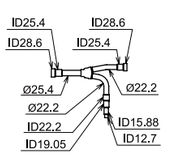
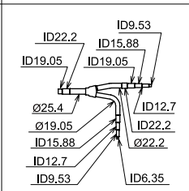
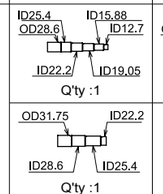
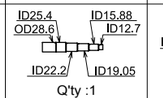
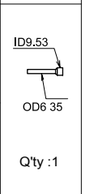
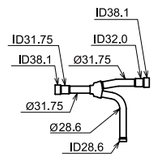
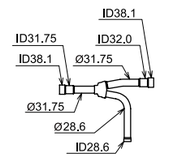
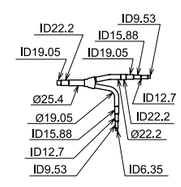
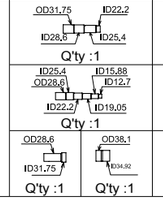
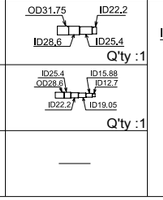
Branch Pipe Parameter



Model	Gas Line	Liquid Line	Reducer for Gas Line	Reducer for Liquid Line
HFQ-052F				
HFQ-102F			——	
HFQ-162F				
HFQ-242F				
HFQ-302F				
HFQ-462F				
HFQ-682F				

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

Branch Pipe Parameter

Model	Low Pressure Gas Line	High Pressure Gas Line	Liquid Line	Reducer for Low Pressure Gas Line	Reducer for High Pressure Gas Line	Reducer for Liquid Line
HFQ-M142F				——	——	
HFQ-M282F				——	——	
HFQ-M452F				 Q'ty :1	 Q'ty :2	 Q'ty :1
HFQ-M562F				 Q'ty :1	 Q'ty :2	 Q'ty :1
HFQ-M692F				 Q'ty :1 Q'ty :1	 Q'ty :1	 Q'ty :1
HFQ-M902F				 Q'ty :1 Q'ty :1 Q'ty :1 Q'ty :1	 Q'ty :1 Q'ty :1 ——	 Q'ty :1

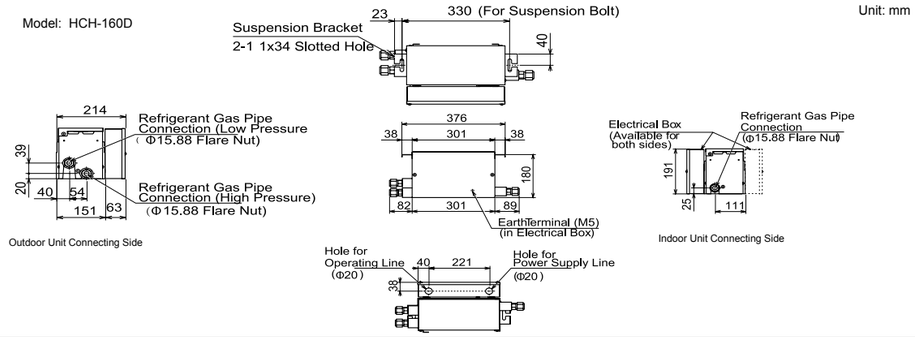
Unit: mm, ID: Inner Diamete,OD: Outer Diameter

Switch Box

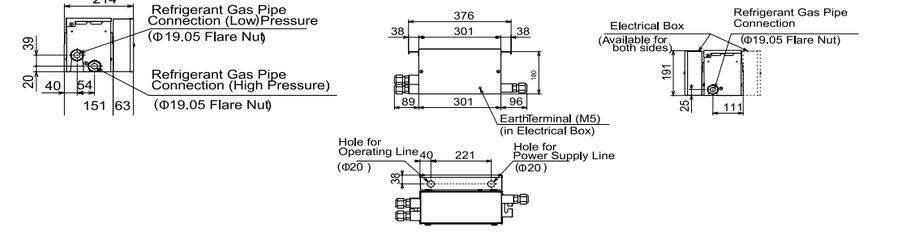
Model	HCH-160D	HCH-280D
Power Supply	AC1Φ 220~240V/50Hz,220V/60Hz	
Refrigerant	R410A	
Input (W)	20	
Connectable Indoor UnitTotal Capacity	less than 54kBtu/h	55 to 96kBtu/h
Number of ConnectableIndoor Unit	1 to 7	1 to 8
Net Weight (kg)	7	

Model: HCH-160D

Unit: mm



Model: HCH-280D



Filter

Ceiling Ducted Type(Low Static Pressure)

Model	Applicable models	Picture
AVD-76*	HF-224L-FE	
AVD-96*	HF-280L-FE	

Ceiling Ducted Type(High Static Pressure)

Model	Applicable models	Picture
AVD-76*	HF-224L-FE	
AVD-96*	HF-280L-FE	

Ceiling Ducted Type(Low-Height)

Model	Applicable models	Picture
AVE-07~14*	KW-AC2Q	
AVE-17~24*	KW-BC2Q	

Ceiling Ducted Type(Slim)

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

Drain Pump—Optional

Model	Power supply	Consumption	MAX. Lift (mm)	Applicable models	HPS-132/HPS-162	HPS-151
HPS-132	AC 220~240V(50/60Hz)	9±1.5 W	900	For Ceiling ducted type(0.8~2.5Hp)		
HPS-162	AC 220~240V(50/60Hz)	9±1.5 W	900	For Ceiling ducted type(3.0~6.0Hp)		
HPS-151	AC 220~240V(50/60Hz)	9±1.5 W	600	External type,for general purpose(0.8~10Hp)		

Technology

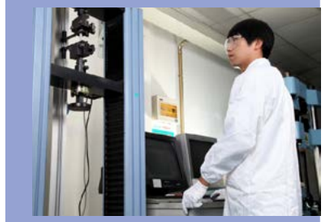
We are passionate about technology and making it accessible to the world.
We believe that for technology to be truly innovative, it has to be accessible. It's not about what it is; it's about what it does. Technology connects us to our passion. It should make our world a better place. It should make what we want to do, where we want to go, and what we want to learn easier. And, it should be easy to use and available to everyone. Our mission is to develop technological innovations that improve the lives of others. We want our customers to happily exclaim, "Life is better with Hisense."

Warranty

We are passionate about standing behind our products.
We believe that products should perform so well that customers shouldn't need a warranty, but unexpected things happen. Therefore, all our products come with a warranty to provide peace of mind that, should something go wrong, we will stand behind our products.

Quality & Value

We are passionate about building dependable, easy-to-use, affordable products.
We believe the best things in life exceed expectations and that everyone should be able to enjoy the benefits of state-of-the-art technology. We take pride in the quality of our products. Our stringent Quality Improvement Process helps ensure we offer products that we're proud to sell and that you are proud to own. We want you to feel confident when buying Hisense, because we're a reliable brand that you can trust. Our "best value for your money" commitment gives our customers assurance that buying Hisense is the smart choice.



Service

We are passionate about making our customers happy.
We believe that manufactures need to be there after the sale. Technology changes rapidly and sometimes you need a little guidance along the way. Our service team is here to help. And, if you should have a problem, we want to help get it solved as fast as possible. Additionally, our service team works side-by-side with R&D, engineering, sales and marketing to ensure company-wide understanding of our customers and how our products are performing.

life reimagined

Hisense

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