

Hisense VRF

COMFORT

Smart Air Supply

Lower Noise

Clean Fresh Air

Auto Refrigerant Temperature Control (ART)

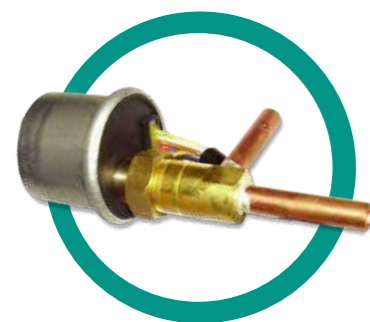
VIP Mode

AIR
CONDITIONING
SOLUTION

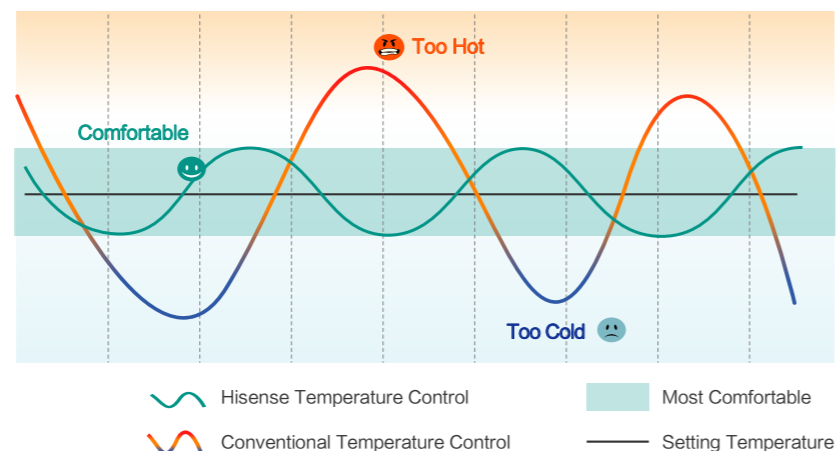
Smart Air Supply

Precise temperature control

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

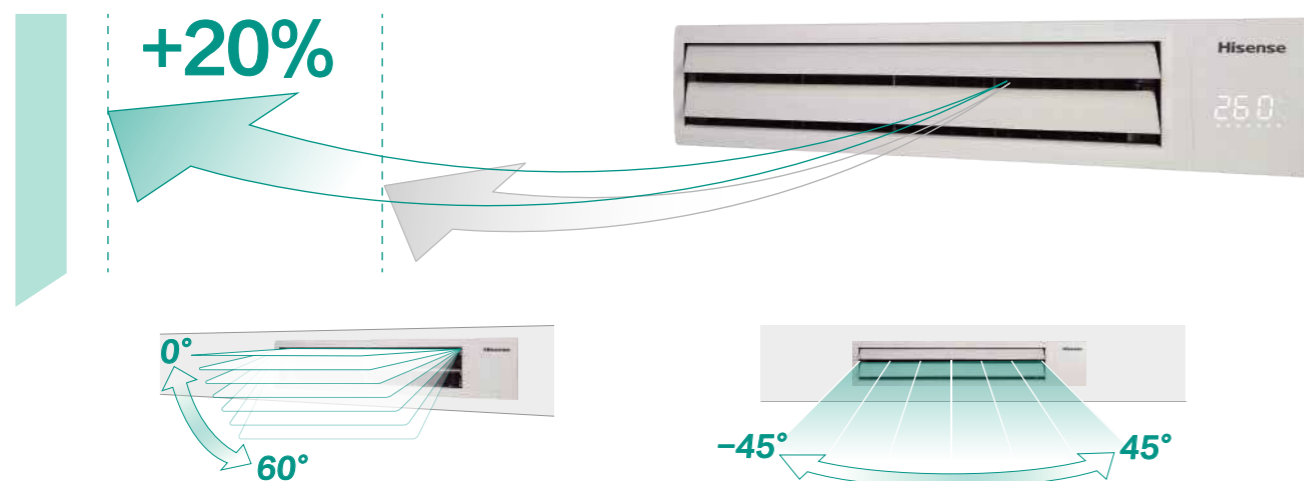


2000-step EEV



3D air-flow panel

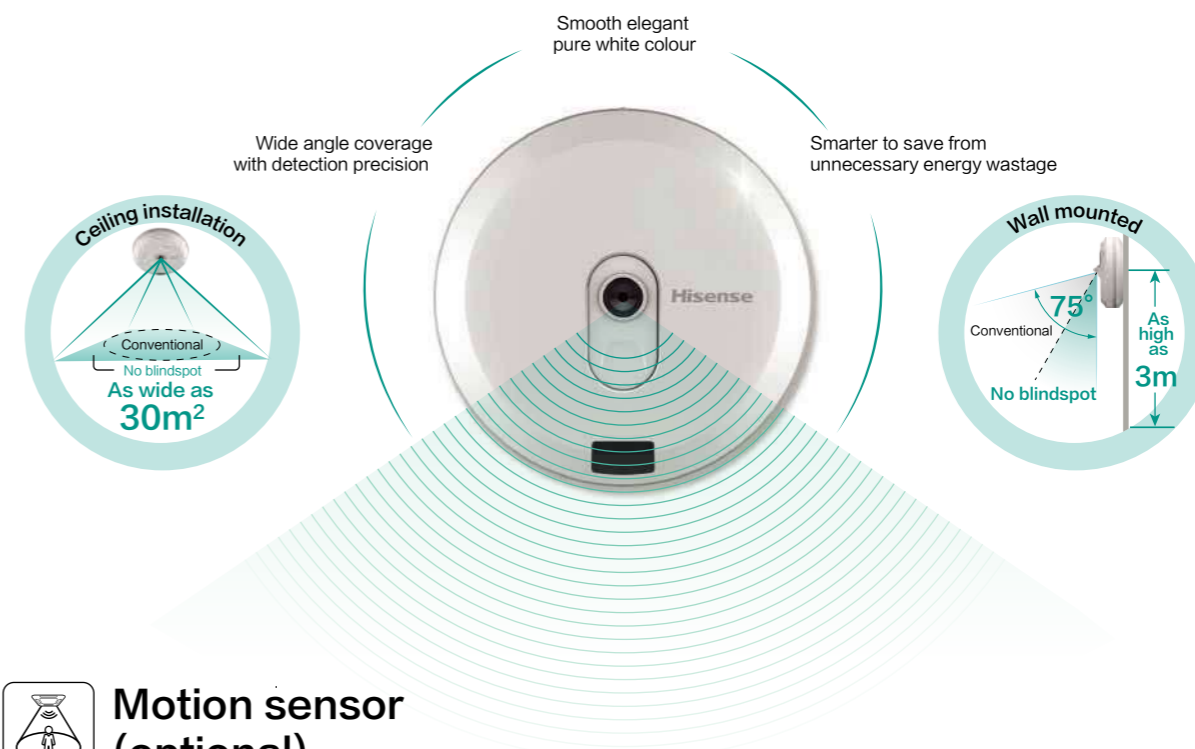
The 3D air-flow panel with luxurious appearance is available for the low-height ceiling ducted indoor units (optional). The 3D airflow panel can offer even airflow and wide airflow coverage to keep every corners of your room cool or warm. It also has three wind setting, normal mode, 3D mode and super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



Hi-motion (optional)

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

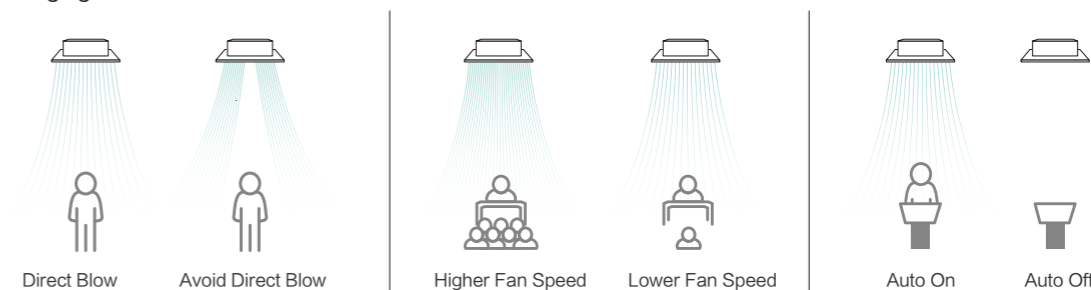
1. Automatically stops the unit when no one is in the room in order to realize energy saving.
2. Adjusting the setting temperature and air flow according to the actual human activity.



Motion sensor (optional)

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

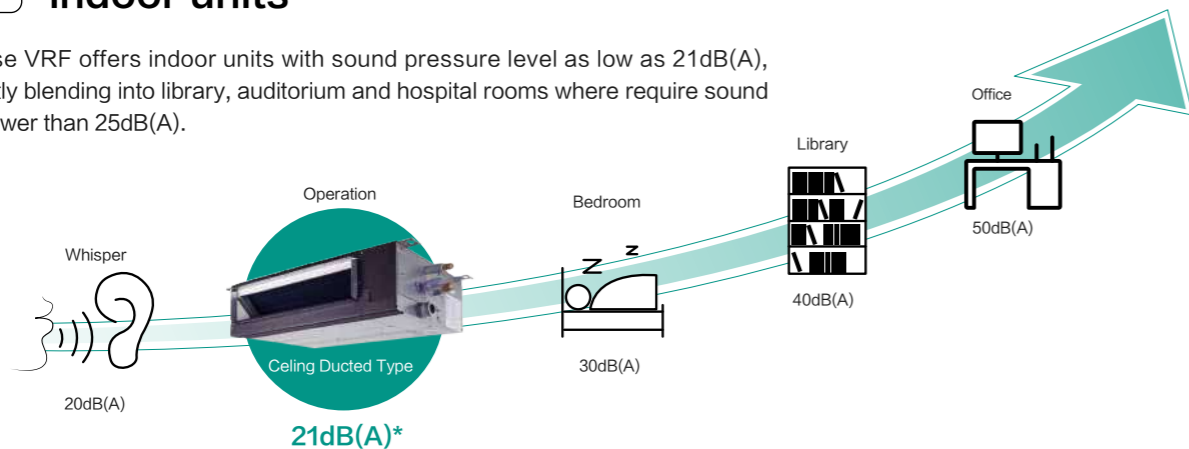
1. With the sensor, indoor unit can ON or OFF automatically when people enter or leave the room.
2. The people location can be detected by the sensor automatically, and the air flow direction can be set to blow directly or to avoid blowing at people as they like.
3. The setting temperature can be changed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



Lower Noise

Lower noise for indoor units

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



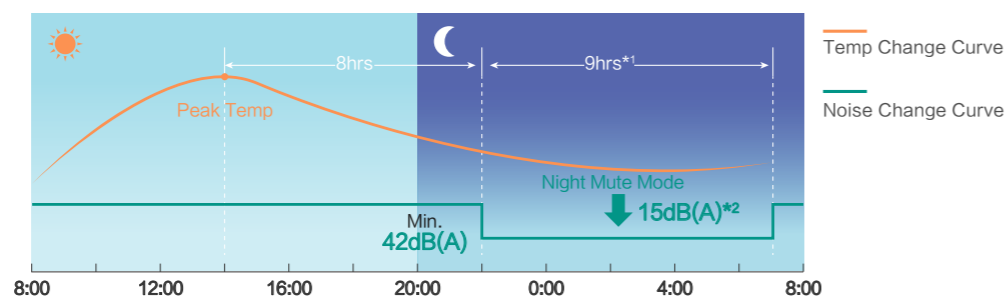
Note

*The DC ceiling ducted type (AVE-05HJFDL) can achieve the 21dB(A) under the standard test condition.

Outdoor unit noise control

Auto night quiet mode

When outdoor conditions call for special low noise requirements, like in cases where outdoor units are installed in indoor equipment rooms with poor soundproof walls or continuous night operating conditions. The night mode reduces sound pressure levels upto 30% routinely with flexible time intervals to meet different customer needs.



Note

*1: The night mute mode can last for 8hrs, 9hrs or 10hrs according to the setting.

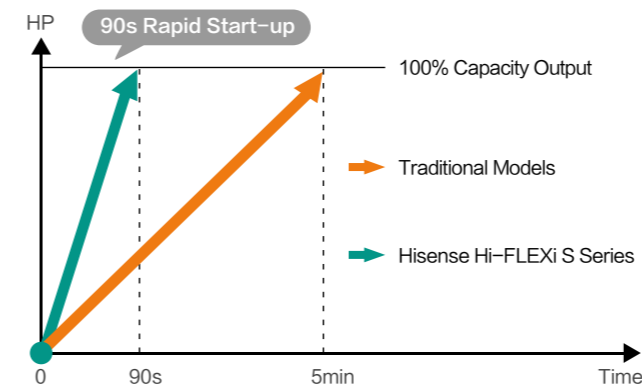
*2: Take the unit AWWT-96HKFSEA of S mavo+ series as an example.

Low noise mode

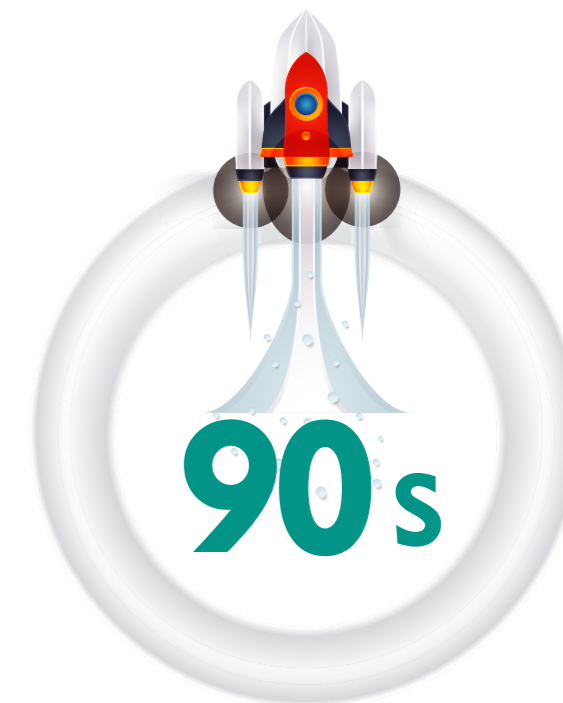
Low noise mode can be set by operating the DIP in the PCB. There are multiple levels by set different frequencies of compressor and fan motor speed. What's more, the low noise mode can be achieved by external input signal. The noise can be reduced by up to 14dB(A).

90s Rapid Heating Start-up

To keep you comfortable and cozy as fast as possible, Hisense VRF starts supplying warm air so rapidly with only just 90s reaching a 100% capacity output. Besides, even in extreme weather condition like -15°C outdoor temperature, Hisense VRF performance is tested with persisting capability to supply 40°C or higher warm air within 7 minutes.



*Taking 66HP as an example



VIP Mode

Hisense VRF offers VIP mode to give priority to the specific room, keeping them comfortable and satisfied as fast as possible and 5 indoor units can be set as VIP mode at the same time. Such function is exclusively practical for hotel application, where AC unit in the presidential suite is often set to VIP mode.



Clean Fresh Air

AirPure

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



*Take AVE-09HCFRL as the test sample.

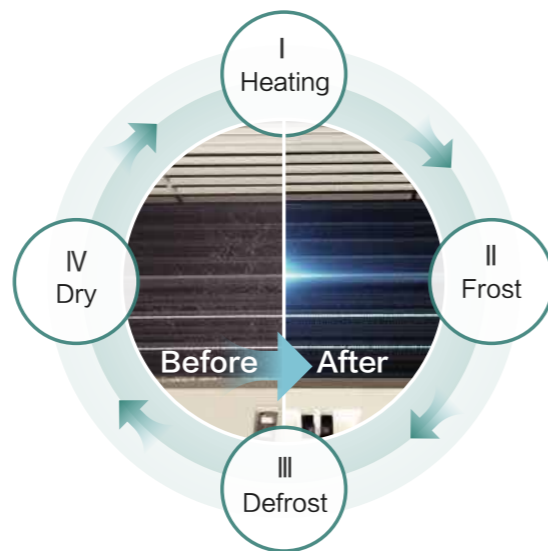


Note

4-way Cassette, Mini 4-way Cassette, Console, Ceiling Ducted can be equipped with the AirPure kit (optional).

Self-cleaning function

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



4 processes for deep cleaning

Note

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

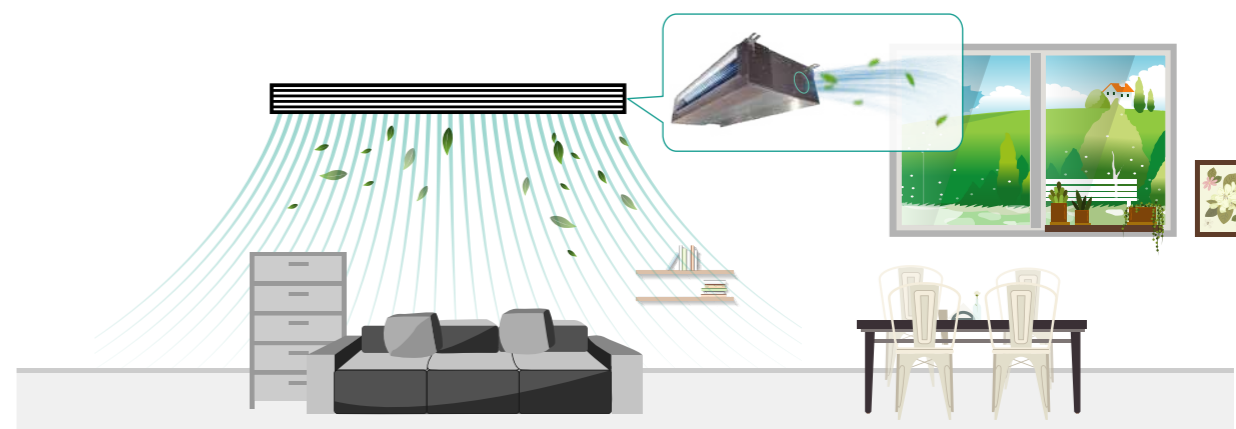
Humidity sensor (optional)

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



Fresh air intake

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



FLEXIBILITY



Design Flexibility

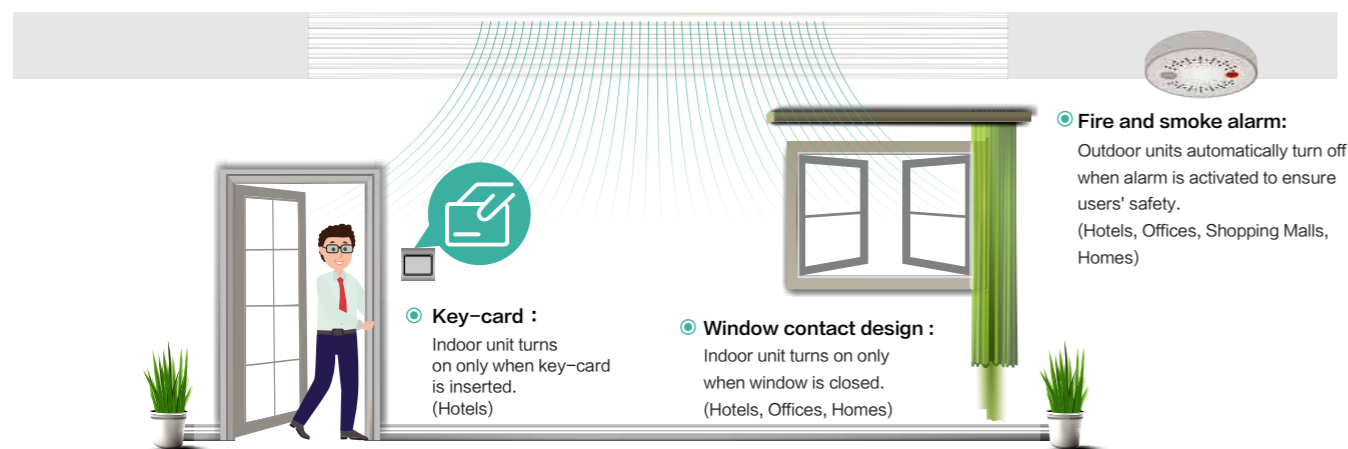
Installation Convenience

Service & Maintenance Simplicity

Design Flexibility

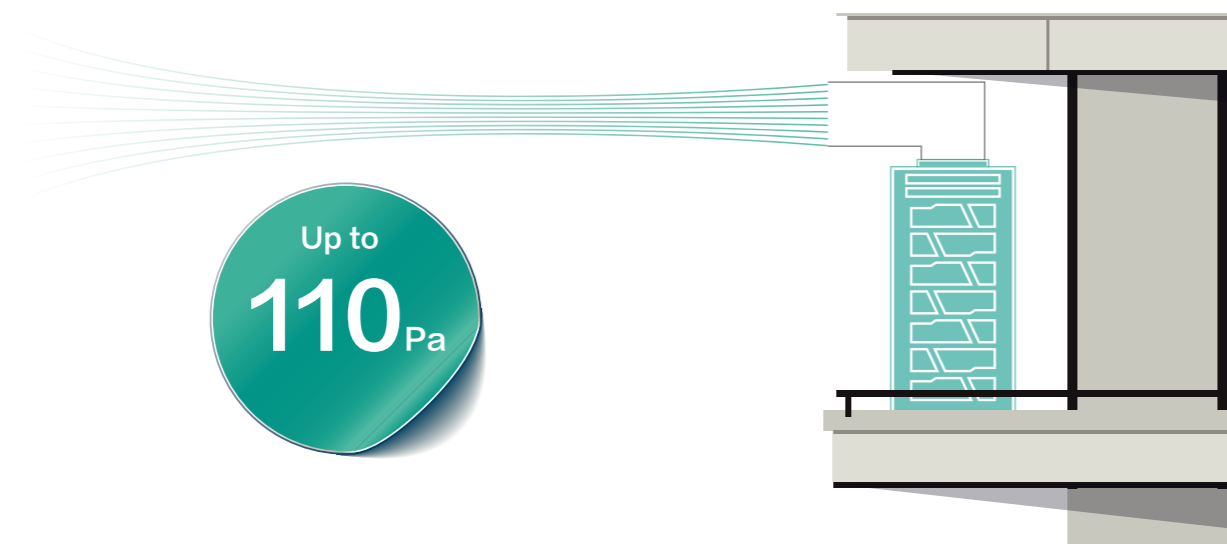
Interlocking solution using dry contact

3rd party thermostats can be used to control the air conditioner in a room by using the dry contact interface. Indoor units can be interlocked with various types of input signal such as key-card, window contact signal, smoke alarm signal and so on.



Adaptive fan static pressure technology

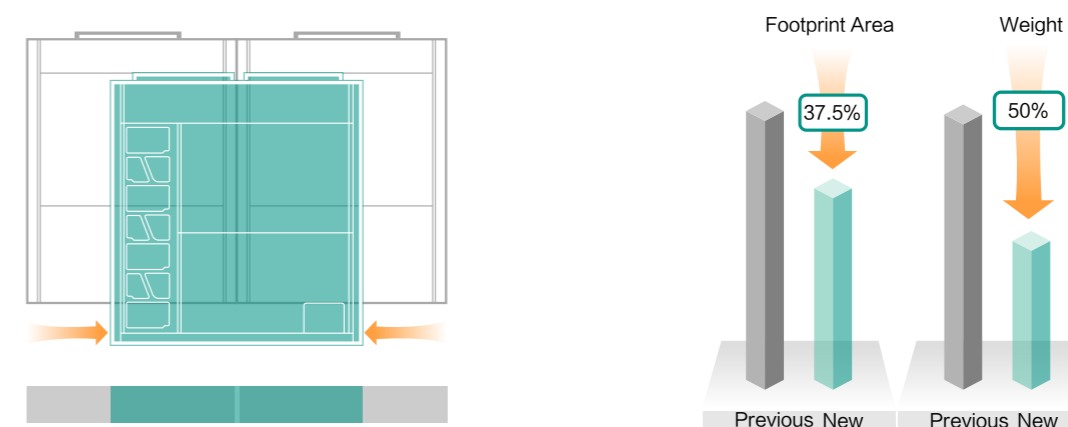
External static pressure is essential to determine the air discharge and duct connection distance. Hisense VRF's outdoor unit external static pressure is reachable up to 110Pa compare to the conventional 80Pa. Allowing longer ducting connection for better air discharge when are installed in the equipment platform that is not easy to exhaust.



Note The initial setting is 80Pa. Can be set to 110Pa from the PCB on site.

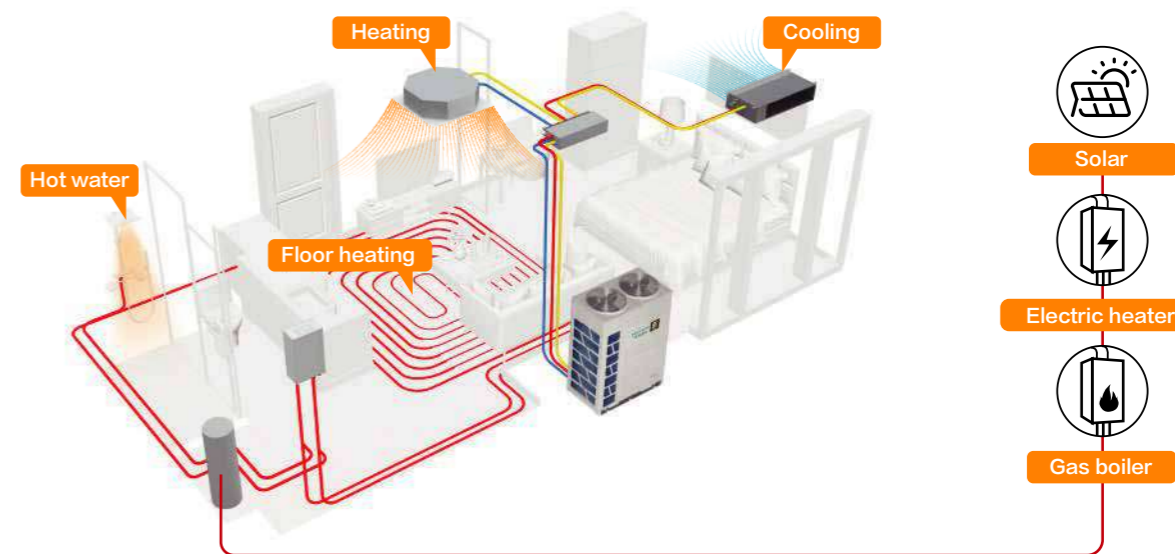
Larger capacity, minimizing footprint area

Hisense VRF outdoor units now possess larger capacity per single module unit. Reducing the installation floor space significantly also eliminates the necessity of modules for bigger capacity. Despite the beneficial space saving properties, same goes to the unit's weight per capacity too. Hence, offering more design and installation flexibility even in limited spaces.



All in one renewable energy solution

Hisense VRF heat recovery series offers an ultimate solution to satisfy heating and cooling, domestic hot water supply, floor/wall/ceiling cooling and heating simultaneously. The heat recovery system is also compatible with any auxiliary heaters like solar, electric heater and gas boiler to supply additional energy to the system in unfavorable conditions.



Installation Convenience

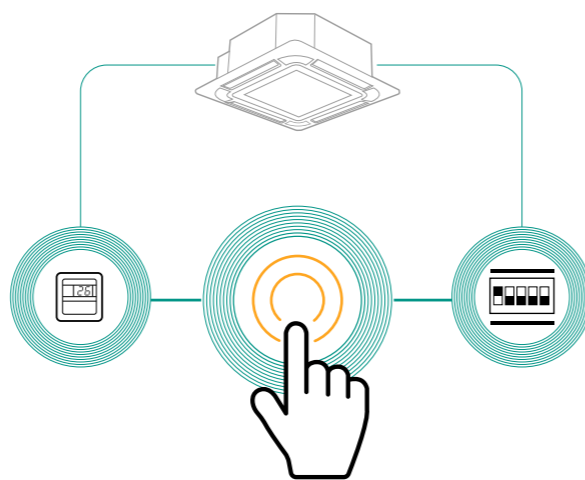
Compact and light-weight

With larger capacity per unit, Hisense VRF outdoor units are more compact in size with the largest capacity of 28HP single module, leading capacity of a single module in the market. Compact yet reduced overall weight makes transportation much convenient and even fit into elevators.



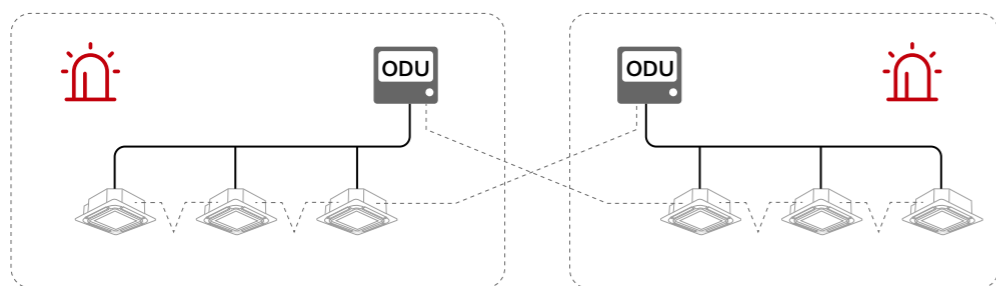
One-touch test run

Test run is one of the essential part in testing and commissioning to make sure the HVAC system in a building works steadily and safely before hand over or soft opening. To make test run as simple as possible, Hisense VRF systems are capable to conduct test runs with just a button away wherever installers are, both indoors and outdoors.



Mistake impossible communication connection

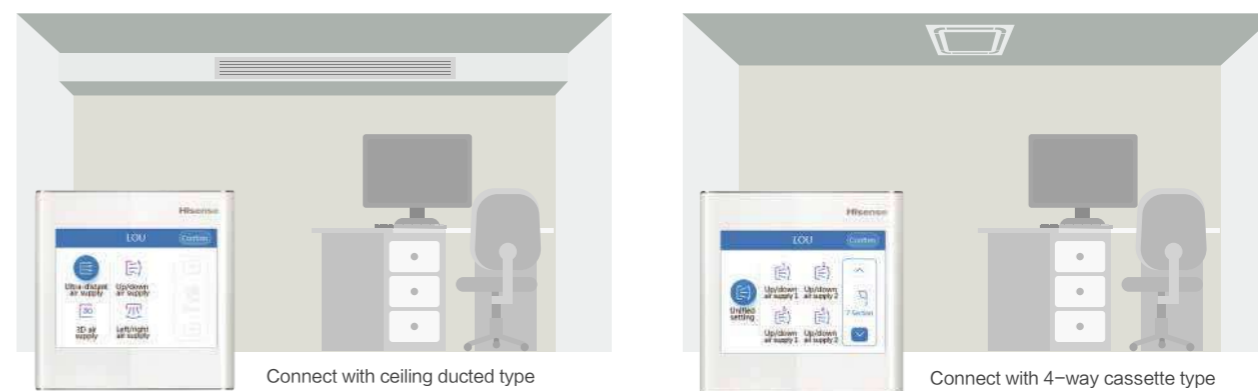
Communication line connections between outdoor unit to indoor units might be confusing when comes to long cables from the outdoors to the indoors and vise versa. It is often incorrectly connected and caused various errors affecting the end user's comfort levels. Despite of Hisense VRF's simple wiring connection ports, the outdoor unit itself could also check on the connections and display warnings when the connections are improper.



Indoor units from different systems are connected to the incorrect outdoor unit, alarm codes flashes out warning installers to make proper corrections.

AUTO Intelligent matching IDUs

Match all kinds of hisense indoor units. If each air deflector can be controlled independently, the key will light. On the contrary, the key will dim and you can not click.

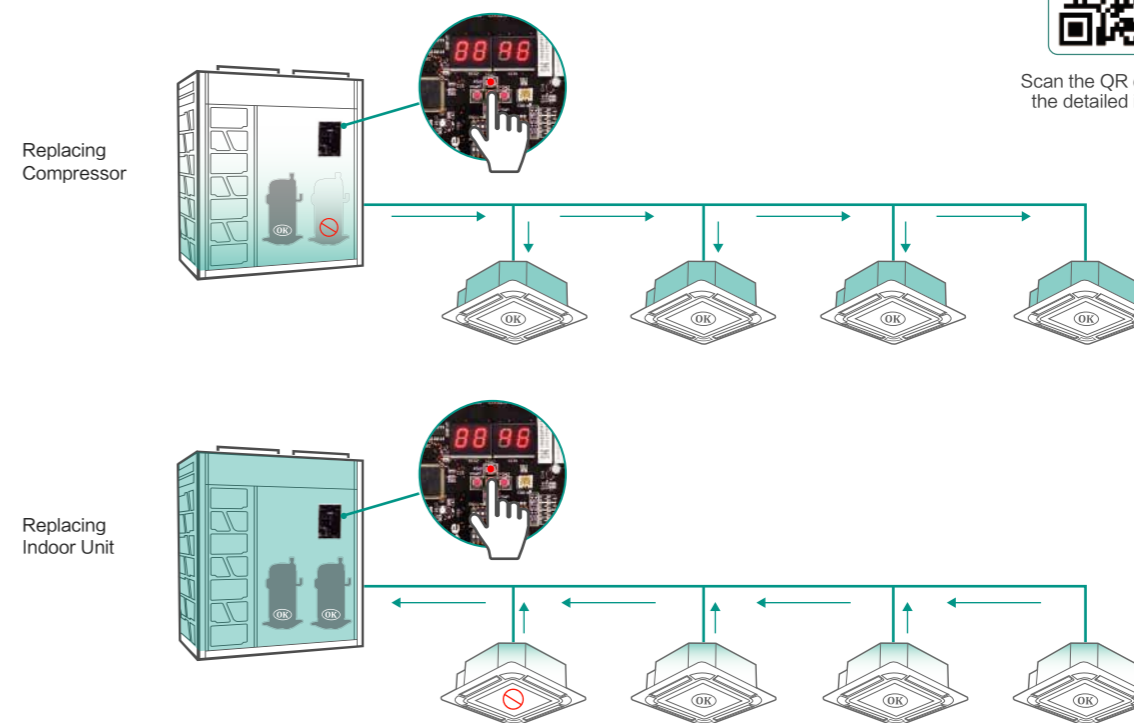


One-touch refrigerant recycle

Hisense VRF has one-touch refrigerant recycle function. Just with a press of the button on the PCB, the refrigerant can be recycled directly, it is very helpful and convenient when the indoor units or the compressor are under repair.



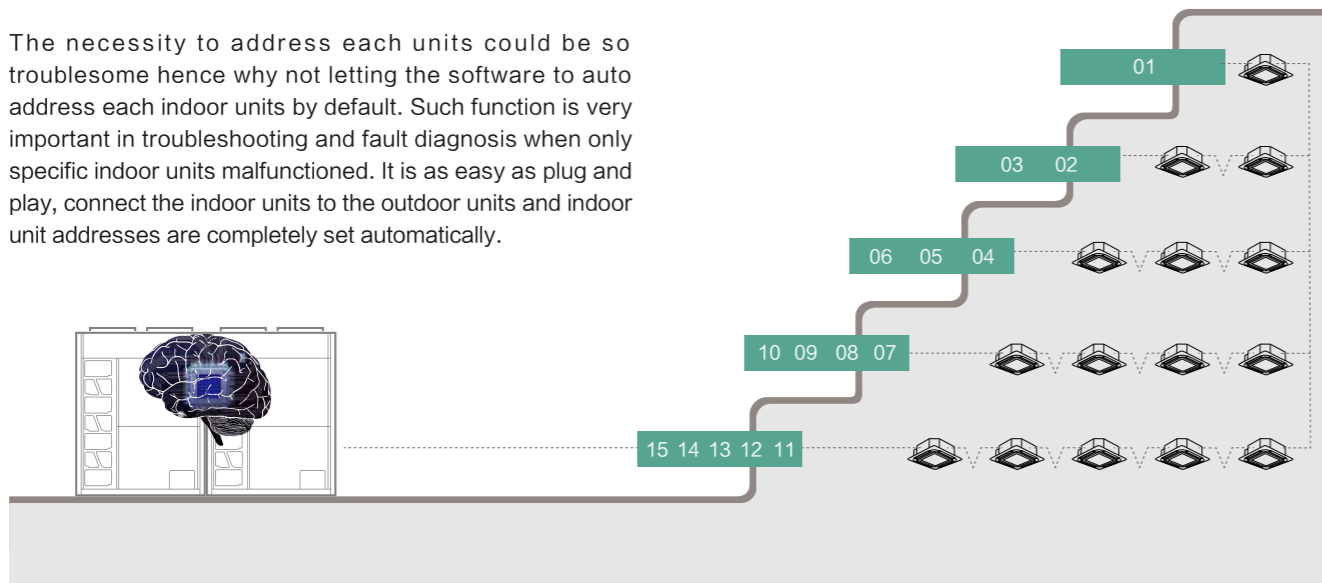
Scan the QR code to view the detailed introduction



Service & Maintenance Simplicity

Plug and play automatic addressing

The necessity to address each units could be so troublesome hence why not letting the software to auto address each indoor units by default. Such function is very important in troubleshooting and fault diagnosis when only specific indoor units malfunctioned. It is as easy as plug and play, connect the indoor units to the outdoor units and indoor unit addresses are completely set automatically.



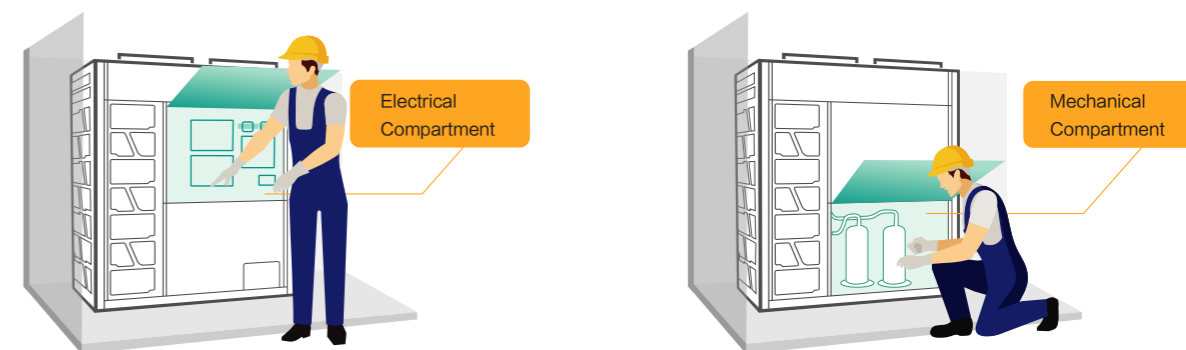
Safe and convenient system management

The new outdoor units are equipped with a service window on top of the electrical box protection panel for easy access to parameters checking and maintenance manipulation safely without exposing to high voltage segments of the electric box. With the new service windows, press switch buttons, DIP switches and the 7 segment LED operation are made safer and more convenient to operate.



Separated mechanical & electrical compartment

The outdoor unit's mechanical and electrical segments is now designed and optimized repositioned separately for a more organized maintenance. The electrical and electronics are placed on top of the compressors and accumulator to meet the practical law of center of gravity, hence minimizing toppling accidents and unnecessary vibration produced during operation. Besides, it also maximizes the heat dissipation of electrical box to keep the electrical in a stable temperature by maximizing airflow passed by.



Accurate intelligent system diagnosis

Exclusive Hi-Checker is a super intelligent service tool for system diagnosis, which can provides easy access to service parameters. Detail operation status and recent error history can be checked and analyzed by using Hi-Checker.

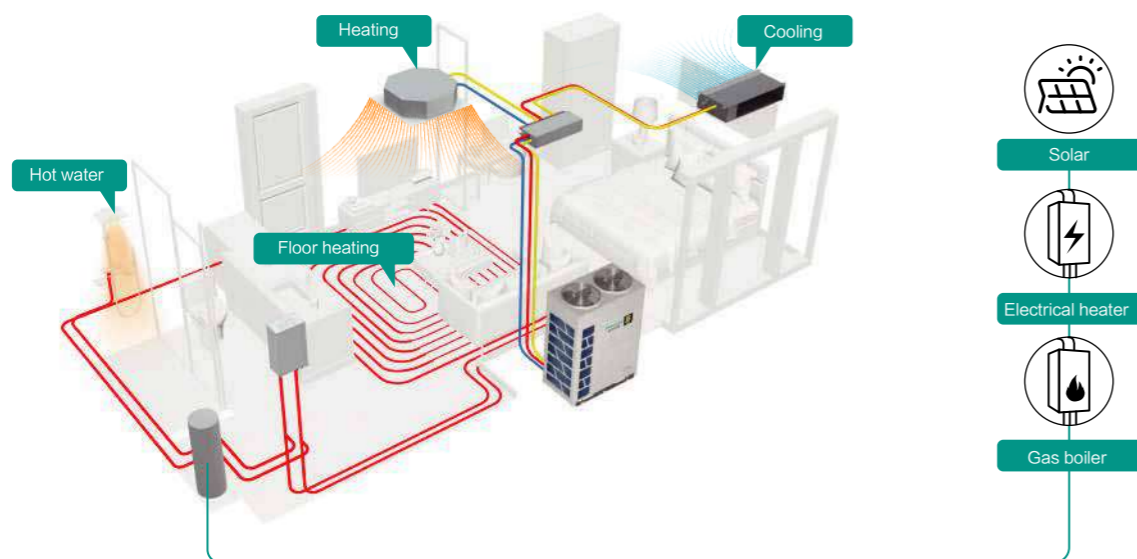


Hi-FLEXi S Heat Recovery



All in One Renewable Energy Solution

With S heat recovery series, cooling and heating of air can be realised simultaneously including water. During summer, it serves cool indoor rooms and warm water supply for night showers. With the same system, floor heating and fan coil unit heating and cooling can be done during season transition periods.



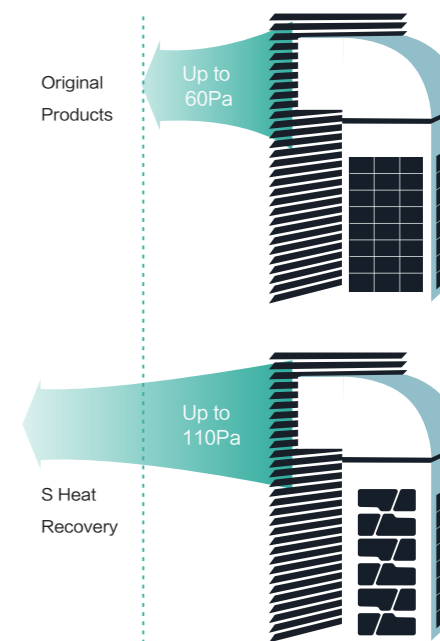
200% Connection Ratio

The powerful S heat recovery series outdoor units are connectable to indoor units up to 2 times of its own capacity with ratio of 200% for a more efficient and cost saving system.



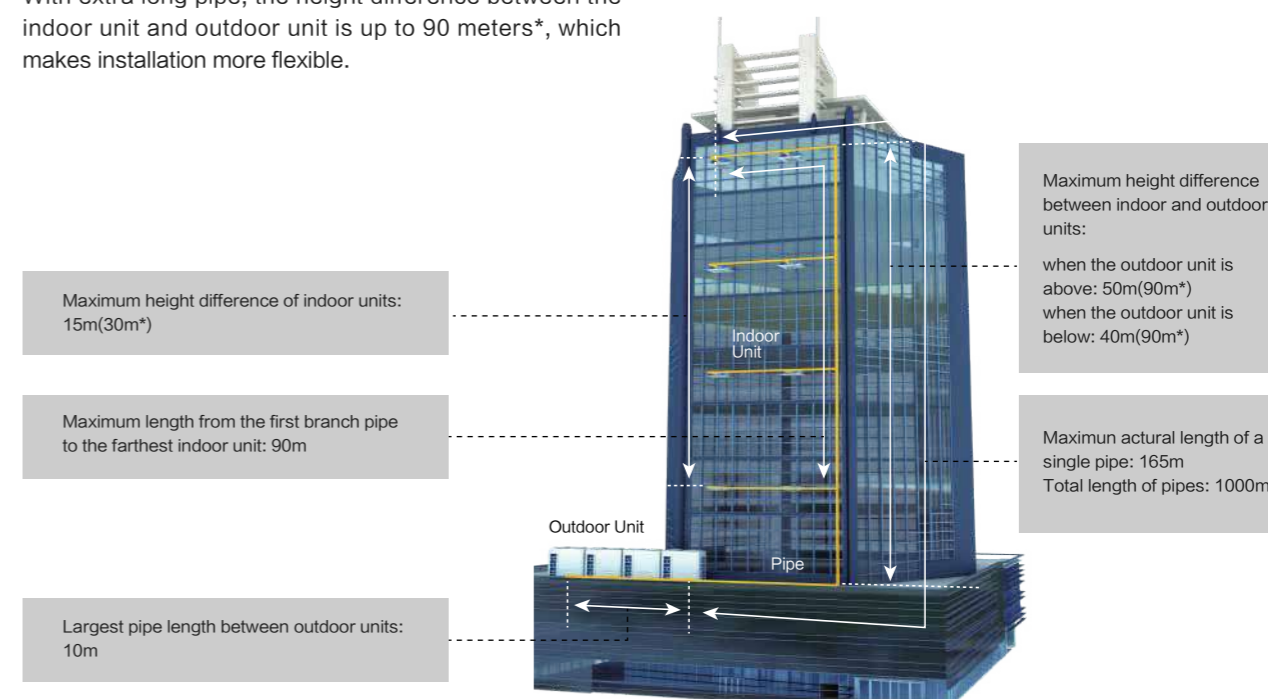
External Static Pressure

External static pressure is reachable up to 110Pa, allowing better air discharge when are installed indoors with ducting or even outdoors in poor air ventilation spaces.



Piping Length

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

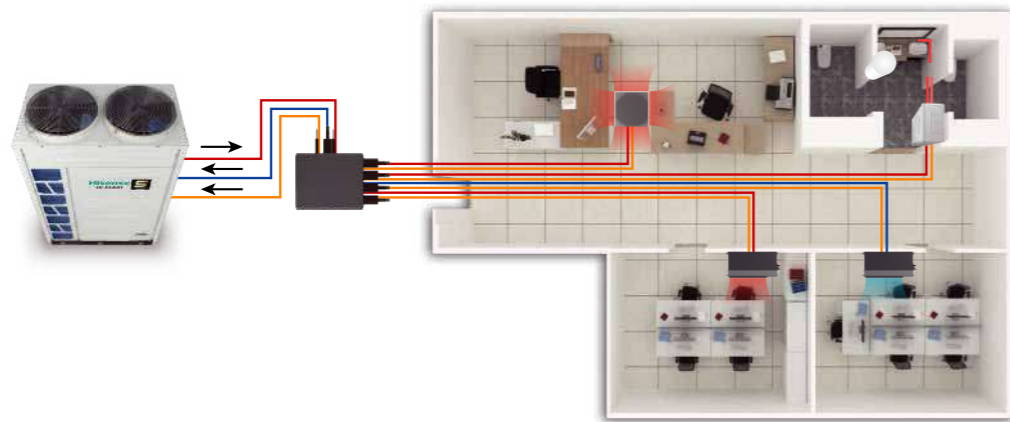


*Note: For detailed information, please contact Hisense's technical staff.

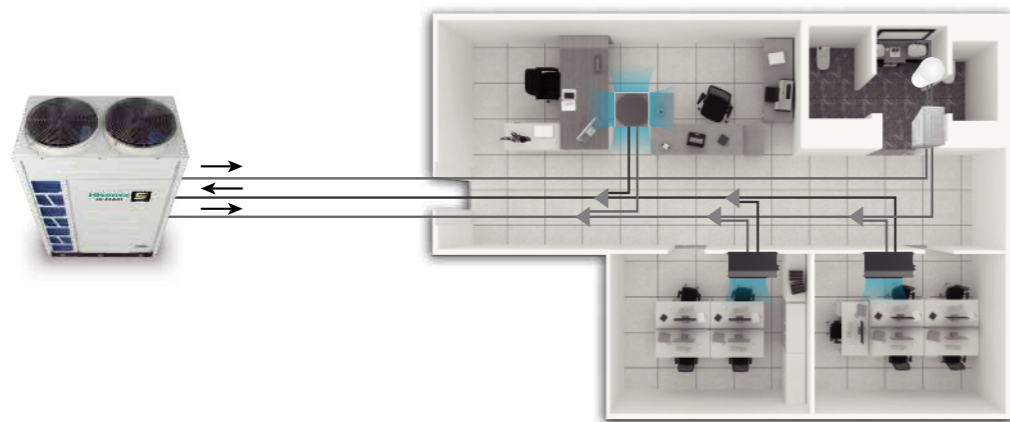
New Upgraded Switch Box

Switch box defies the complicated piping of 3pipe heat recovery systems and simplifies the system with lesser connections and piping including refrigerant and condensate piping. Now with larger capacity up to 85kW for larger systems and increased up to 16 branch ports for more indoor units connections.

Heating Domination Mode

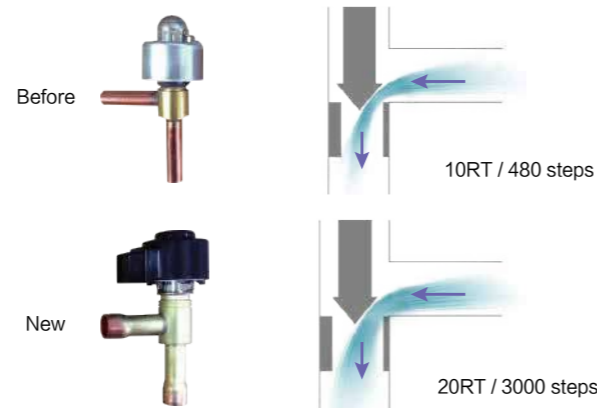
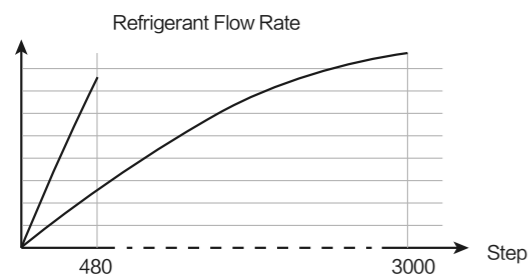


3 Pipes Without Switch Box



Dual 20RT EEV

Compared with conventional 10RT EEV with 480 steps, dual 20RT EEV with 3000pls can better reduce pressure loss and improve performance.



Hi-FLEXi S Heat Recovery



HP		8HP	10HP	12HP	14HP	16HP	18HP	
Model	Model	AVWT-76FKFSA	AVWT-96FKFSA	AVWT-114FKFSA	AVWT-136FKFSA	AVWT-154FKFSA	AVWT-170FKFSA	
	Modules	—	—	—	—	—	—	
Power Supply		AC 3φ, 380-415V/50/60Hz						
Cooling	Capacity	kW	22.4	28.0	33.5	40.0	50.0	
		kBtu/h	76.4	95.5	114.3	136.5	153.5	170.6
	Power Input	kW	4.87	6.75	8.09	10.26	12.16	14.04
	EER	kW/kW	4.60	4.15	4.14	3.90	3.70	3.56
Heating	Capacity(Max/Nom)	kW	25.0 / 22.4	31.5 / 28.0	37.5 / 33.5	45.0 / 40.0	50.0 / 45.0	56.0 / 50.0
		kBtu/h	85.3 / 76.4	107.5 / 95.5	128.0 / 114.3	153.5 / 136.5	170.6 / 153.5	191.1 / 170.6
	Power Input(Max/Nom)	kW	5.20 / 4.36	6.77 / 5.63	9.17 / 7.70	10.82 / 8.89	12.14 / 10.32	14.74 / 12.02
	COP(Max)	kW/kW	4.81	4.65	4.09	4.16	4.12	3.80
Ventilation	Air Flow Rate	m ³ /min	183	183	183	200	200	200
	Fan Quantity		1	1	1	2	2	2
	Static Pressure	Pa	110	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	59	60	62	62	62	62
	Type	—	Enhanced Vapor Injection Scroll Compressor					
Compressor	Compressor Quantity	pcs	1	1	1	1	1	2
	Type	—	R410A					
Refrigerant	Pre-charged Quantity	kg	5.60	5.90	6.00	8.80	8.80	9.20
	Net Weight	kg	226	227	246	289	290	349
Weight	Gross Weight	kg	246	247	266	311	312	371
	External(HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
Dimensions	Packing(HxWxD)	mm	1930x1015x790	1930x1015x790	1930x1015x790	1930x1275x790	1930x1275x790	1930x1275x790
	Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	φ 19.05(3/4)	φ 22.20(7/8)	φ 25.40(1)	φ 25.40(1)	φ 28.60(1-1/8)	φ 28.60(1-1/8)
	High/Low Pressure Gas Line	mm(in.)	φ 15.88(5/8)	φ 19.05(3/4)	φ 22.2(7/8)	φ 22.2(7/8)	φ 22.2(7/8)	φ 22.2(7/8)
	Liquid Line	mm(in.)	φ 9.53(3/8)	φ 9.53(3/8)	φ 12.70(1/2)	φ 12.70(1/2)	φ 12.70(1/2)	φ 15.88(5/8)
Heat Pump Operation System	Gas Line	mm(in.)	φ 19.05(3/4)	φ 22.20(7/8)	φ 25.40(1)	φ 25.40(1)	φ 28.60(1-1/8)	φ 28.60(1-1/8)
	Liquid Line	mm(in.)	φ 9.53(3/8)	φ 9.53(3/8)	φ 12.70(1/2)	φ 12.70(1/2)	φ 12.70(1/2)	φ 15.88(5/8)
Connectable Indoor Units	Quantity	pcs	13	16	19	23	26	29
	Total Capacity	—	200%*1	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90°)	50(90°)	50(90°)	50(90°)	50(90°)	50(90°)
		m(below)	40(90°)	40(90°)	40(90°)	40(90°)	40(90°)	40(90°)
	Height Difference Between IDUs	m	15(30°)	15(30°)	15(30°)	15(30°)	15(30°)	15(30°)
	Max. Piping Length	m	165	165	165	165	165	
Operation Range	Cooling	DB	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C
	Heating	WB	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C

Hi-FLEXi S Heat Recovery



HP		20HP	22HP	24HP	26HP	28HP	
Model	Model	AVWT-190FKFSA	AVWT-212FKFSA	AVWT-232FKFSA	AVWT-250FKFSA	AVWT-272FKFSA	
	Modules	—	—	—	—	—	
Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	kW	56.0	61.5	68.0	72.5	80.0
		kBtu/h	191.1	209.8	232.0	247.4	273.0
	Power Input	kW	15.60	18.04	20.61	21.90	24.24
	EER	kW/kW	3.59	3.41	3.30	3.31	3.30
Heating	Capacity(Max/Nom)	kW	63.0 / 56.0	69.0 / 61.5	75.0 / 68.0	80.0 / 72.5	90.0 / 80.0
		kBtu/h	215.0 / 191.1	235.4 / 209.8	255.9 / 232.0	273.0 / 247.4	307.1 / 273.0
	Power Input(Max/Nom)	kW	16.54 / 13.56	18.80 / 15.89	21.43 / 18.38	22.35 / 19.23	26.01 / 21.92
	COP(Max)	kW/kW	3.81	3.67	3.50	3.58	3.46
Ventilation	Air Flow Rate	m ³ /min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	63	64	66	67	67
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	pcs	2	2	2	2	2
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	9.80	10.60	10.60	11.50	11.50
Weight	Net Weight	kg	369	377	378	400	401
	Gross Weight	kg	393	401	402	426	427
Dimensions	External(HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing(HxWxD)	mm	1930x1420x790	1930x1420x790	1930x1420x790	1930x1665x790	1930x1665x790
Cabinet Color		Ivory White					
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ31.75(1-1/4)	Φ31.75(1-1/4)
	High/Low Pressure Gas Line	mm(in.)	Φ22.2(7/8)	Φ25.4(1)	Φ25.4(1)	Φ25.4(1)	Φ28.6(1-1/8)
	Liquid Line	mm(in.)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)	Φ19.05(3/4)	Φ19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ28.60(1-1/8)	Φ31.75(1-1/4)	Φ31.75(1-1/4)
	Liquid Line	mm(in.)	Φ15.88(5/8)	Φ15.88(5/8)	Φ15.88(5/8)	Φ19.05(3/4)	Φ19.05(3/4)
Connectable Indoor Units	Quantity	pcs	33	36	40	43	47
	Total Capacity	—	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165	165
Operation Range	Cooling	DB	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C
	Heating	WB	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C

Hi-FLEXi S Heat Recovery



HP		30HP	32HP	34HP	36HP	38HP	
Model	Model	AVWT-290FKFSA	AVWT-308FKFSA	AVWT-324FKFSA	AVWT-344FKFSA	AVWT-360FKFSA	
	Modules	AVWT-136FKFSA AVWT-154FKFSA	AVWT-154FKFSA AVWT-154FKFSA	AVWT-154FKFSA AVWT-170FKFSA	AVWT-154FKFSA AVWT-190FKFSA	AVWT-170FKFSA AVWT-190FKFSA	
Power Supply		AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	kW	85.0	90.0	95.0	101.0	106.0
		kBtu/h	290.0	307.1	324.1	344.6	361.7
	Power Input	kW	22.41	24.32	26.20	27.75	29.64
	EER	kW/kW	3.79	3.70	3.63	3.64	3.58
Heating	Capacity(Max/Nom)	kW	95.0 / 85.0	100.0 / 90.0	106.0 / 95.0	113.0 / 101.0	119.0 / 106.0
		kBtu/h	324.1 / 290.0	341.2 / 307.1	361.7 / 324.1	385.6 / 344.6	406.0 / 361.7
	Power Input(Max/Nom)	kW	22.95 / 19.21	24.27 / 20.64	26.82 / 22.33	28.62 / 23.86	31.27 / 25.58
	COP(Max)	kW/kW	4.14	4.12	3.95	3.95	3.81
Ventilation	Air Flow Rate	m ³ /min	400	400	400	467	467
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	67	67	67	67	67
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	pcs	2	2	3	3	4
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	8.80+8.80	8.80+8.80	8.80+9.20	8.80+9.80	9.20+9.80
Weight	Net Weight	kg	289+290	290+290	290+349	290+369	349+369
	Gross Weight	kg	311+312	312+312	312+371	312+393	371+393
Dimensions	External(HxWxD)	mm	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1350) x750	1730x (1210+1350) x750
	Packing(HxWxD)	mm	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1420) x790	1930x (1275+1420) x790
Cabinet Color		Ivory White					
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	High/Low Pressure Gas Line	mm(in.)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ28.6(1-1/8)	Φ31.75(1-1/4)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	Liquid Line	mm(in.)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Connectable Indoor Units	Quantity	pcs	50	53	56	59	64
	Total Capacity	—	200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90*2)	50(90*2)	50(90*2)	50(90*2)	50(90*2)
		m(below)	40(90*2)	40(90*2)	40(90*2)	40(90*2)	40(90*2)
	Height Difference Between IDUs	m	15(30*2)	15(30*2)	15(30*2)	15(30*2)	15(30*2)
	Max. Piping Length	m	165	165	165	165	165
Operation Range	Cooling	DB	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C
	Heating	WB	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C

Hi-FLEXi S Heat Recovery



HP		40HP	42HP	44HP	46HP	48HP
Model	Model	AVWT-380FKFSA	AVWT-402FKFSA	AVWT-422FKFSA	AVWT-444FKFSA	AVWT-464FKFSA
	Modules	AVWT-190FKFSA AVWT-190FKFSA	AVWT-170FKFSA AVWT-232FKFSA	AVWT-190FKFSA AVWT-232FKFSA	AVWT-212FKFSA AVWT-232FKFSA	AVWT-232FKFSA AVWT-232FKFSA
Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW 112.0	118.0	124.0	129.5	136.0
		kBtu/h 382.1	402.6	423.1	441.9	464.0
	Power Input	kW 31.20	34.60	36.15	38.63	41.21
	EER	kW/kW 3.59	3.41	3.43	3.35	3.30
Heating	Capacity(Max/Nom)	kW 126.0 / 112.0	131.0 / 118.0	138.0 / 124.0	144.0 / 129.5	150.0 / 136.0
		kBtu/h 429.9 / 382.1	447.0 / 402.6	470.9 / 423.1	491.3 / 441.9	511.8 / 464.0
	Power Input(Max/Nom)	kW 33.07 / 27.12	36.12 / 30.30	37.92 / 31.85	40.21 / 34.25	42.86 / 36.76
	COP(Max)	kW/kW 3.81	3.63	3.64	3.58	3.50
Ventilation	Air Flow Rate	m ³ /min 534	496	563	592	592
	Fan Quantity	4	4	4	4	4
	Static Pressure	Pa 110	110	110	110	110
Sound	Sound Pressure Level	dB(A) 67	67	68	68	69
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	4	4	4	4	4
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg 9.80+9.80	9.20+10.60	9.80+10.60	10.60+10.60	10.60+10.60
Weight	Net Weight	kg 369+369	349+378	369+378	377+378	378+378
	Gross Weight	kg 393+393	371+402	393+402	401+402	402+402
Dimensions	External(HxWxD)	mm 1730x (1350+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
		mm 1930x (1420+1420) x790	1930x (1275+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790
	Packing(HxWxD)	mm 1730x (1350+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
		mm 1930x (1420+1420) x790	1930x (1275+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790
Cabinet Color		Ivory White				
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.) Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	High/Low Pressure Gas Line	mm(in.) Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)
	Liquid Line	mm(in.) Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Heat Pump Operation System	Gas Line	mm(in.) Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)
	Liquid Line	mm(in.) Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)
Connectable Indoor Units	Quantity	pcs 64	64	64	64	64
	Total Capacity	– 200%*1	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above) 50(90°)	50(90°)	50(90°)	50(90°)	50(90°)
		m(below) 40(90°)	40(90°)	40(90°)	40(90°)	40(90°)
	Height Difference Between IDUs	m 15(30°)	15(30°)	15(30°)	15(30°)	15(30°)
	Max. Piping Length	m 165	165	165	165	165
Operation Range	Cooling	DB -10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C
	Heating	WB -25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C

Hi-FLEXi S Heat Recovery



HP		50HP	52HP	54HP	56HP
Model	Model	AVWT-482FKFSA	AVWT-504FKFSA	AVWT-522FKFSA	AVWT-544FKFSA
	Modules	AVWT-232FKFSA AVWT-250FKFSA	AVWT-232FKFSA AVWT-272FKFSA	AVWT-250FKFSA AVWT-272FKFSA	AVWT-272FKFSA AVWT-272FKFSA
Power Supply		AC 3Φ, 380-415V/50/60Hz			
Cooling	Capacity	kW 140.5	148.0	152.5	160.0
		kBtu/h 479.4	505.0	520.3	545.9
	Power Input	kW 42.51	44.85	46.15	48.48
	EER	kW/kW 3.31	3.30	3.30	3.30
Heating	Capacity(Max/Nom)	kW 155.0 / 140.5	165.0 / 148.0	170.0 / 152.5	180.0 / 160.0
		kBtu/h 528.9 / 479.4	563.0 / 505.0	580.0 / 520.3	614.2 / 545.9
	Power Input(Max/Nom)	kW 43.77 / 37.60	47.44 / 40.29	48.33 / 41.13	52.02 / 43.84
	COP(Max)	kW/kW 3.54	3.48	3.52	3.46
Ventilation	Air Flow Rate	m ³ /min 646	646	700	700
	Fan Quantity	4	4	4	4
	Static Pressure	Pa 110	110	110	110
Sound	Sound Pressure Level	dB(A) 70	70	70	70
Compressor	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	4	4	4	4
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 10.60+11.50	10.60+11.50	11.50+11.50	11.50+11.50
Weight	Net Weight	kg 378+400	378+401	400+401	401+401
	Gross Weight	kg 402+426	402+427	426+427	427+427
Dimensions	External(HxWxD)	mm 1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
		mm 1930x (1420+1665) x790	1930x (1420+1665) x790	1930x (1665+1665) x790	1930x (1665+1665) x790
	Packing(HxWxD)	mm 1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
		mm 1930x (1420+1665) x790	1930x (1420+1665) x790	1930x (1665+1665) x790	1930x (1665+1665) x790
Cabinet Color		Ivory White			
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.) Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ41.3(1-5/8)
	High/Low Pressure Gas Line	mm(in.) Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ31.75(1-1/4)	Φ38.1(1-1/2)
	Liquid Line	mm(in.) Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ22.2(7/8)
Heat Pump Operation System	Gas Line	mm(in.) Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ38.1(1-1/2)	Φ41.3(1-5/8)
	Liquid Line	mm(in.) Φ19.05(3/4)	Φ19.05(3/4)	Φ19.05(3/4)	Φ22.2(7/8)
Connectable Indoor Units	Quantity	pcs 64	64	64	64
	Total Capacity	– 200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above) 50(90°)	50(90°)	50(90°)	50(90°)
		m(below) 40(90°)	40(90°)	40(90°)	40(90°)
	Height Difference Between IDUs	m 15(30°)	15(30°)	15(30°)	15(30°)
	Max. Piping Length	m 165	165	165	165
Operation Range	Cooling	DB -10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C
	Heating	WB -25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C

RELIABILITY

EFFICIENCY

COMFORT

FLEXIBILITY

OUTDOOR UNIT

INDOOR UNIT

CONTROL SYSTEM

ACCESSORY

Hi-FLEXi S Heat Recovery



HP		58HP	60HP	62HP	64HP	
Model	Model	AVWT-552FKFSA	AVWT-570FKFSA	AVWT-592FKFSA	AVWT-612FKFSA	
	Modules	AVWT-170FKFSA	AVWT-190FKFSA	AVWT-170FKFSA	AVWT-190FKFSA	
		AVWT-170FKFSA	AVWT-190FKFSA	AVWT-190FKFSA	AVWT-232FKFSA	
Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	161.5	168.0	174.0	180.0	
	kW	551.0	573.2	593.7	614.2	
	Power Input	46.11	46.80	50.18	51.72	
	EER	3.50	3.59	3.47	3.48	
Heating	Capacity(Max/Nom)	181.0 / 161.5	189.0 / 168.0	194.0 / 174.0	201.0 / 180.0	
	kW	617.6 / 551.0	644.9 / 573.2	661.9 / 593.7	685.8 / 614.2	
	Power Input(Max/Nom)	48.27 / 39.89	49.61 / 40.68	52.64 / 43.83	54.43 / 45.37	
	COP(Max)	3.75	3.81	3.69	3.69	
Ventilation	Air Flow Rate	696	801	763	830	
	m³/min	6	6	6	6	
	Fan Quantity	6	6	6	6	
Sound	Static Pressure	110	110	110	110	
	Pa	70	70	70	70	
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	6	6	6	6	
Refrigerant	Type	R410A				
	Pre-charged Quantity	9.20+9.20+10.60	9.80+9.80+9.80	9.20+9.80+10.60	9.80+9.80+10.60	
Weight	Net Weight	349+349+377	369+369+369	349+369+378	369+369+378	
	Gross Weight	371+371+401	393+393+393	371+393+402	393+393+402	
Dimensions	External(HxWxD)	mm	1730x	1730x	1730x	
		(1210+1210+1350)	(1350+1350+1350)	(1210+1350+1350)	(1350+1350+1350)	
	Packing(HxWxD)	mm	1930x	1930x	1930x	1930x
		(1275+1275+1420)	(1420+1420+1420)	(1275+1420+1420)	(1420+1420+1420)	
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	φ44.5(1-3/4)	φ44.5(1-3/4)	φ44.5(1-3/4)	
	High/Low Pressure Gas Line	mm(in.)	φ41.3(1-5/8)	φ41.3(1-5/8)	φ41.3(1-5/8)	
	Liquid Line	mm(in.)	φ22.2(7/8)	φ22.2(7/8)	φ22.2(7/8)	
Heat Pump Operation System	Gas Line	mm(in.)	φ44.5(1-3/4)	φ44.5(1-3/4)	φ44.5(1-3/4)	
	Liquid Line	mm(in.)	φ22.2(7/8)	φ22.2(7/8)	φ22.2(7/8)	
Connectable Indoor Units	Quantity	64	64	64	64	
	Total Capacity	200%*1	200%*1	200%*1	200%*1	
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90°)	50(90°)	50(90°)	
	m(below)	40(90°)	40(90°)	40(90°)	40(90°)	
	Height Difference Between IDUs	m	15(30°)	15(30°)	15(30°)	
	Max. Piping Length	m	165	165	165	
Operation Range	Cooling	DB	-10°C-52°C	-10°C-52°C	-10°C-52°C	
	Heating	WB	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	

Hi-FLEXi S Heat Recovery



HP		66HP	68HP	70HP	72HP	
Model	Model	AVWT-634FKFSA	AVWT-654FKFSA	AVWT-676FKFSA	AVWT-696FKFSA	
	Modules	AVWT-190FKFSA	AVWT-190FKFSA	AVWT-212FKFSA	AVWT-232FKFSA	
		AVWT-212FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	
Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	185.5	192.0	197.5	204.0	
	kW	632.9	655.1	673.9	696.0	
	Power Input	54.18	56.73	59.23	61.82	
	EER	3.42	3.38	3.33	3.30	
Heating	Capacity(Max/Nom)	207.0 / 185.5	213.0 / 192.0	219.0 / 197.5	225.0 / 204.0	
	kW	706.3 / 632.9	726.8 / 655.1	747.2 / 673.9	767.7 / 696.0	
	Power Input(Max/Nom)	56.72 / 47.74	59.33 / 50.20	61.63 / 52.62	64.29 / 55.14	
	COP(Max)	3.65	3.59	3.55	3.50	
Ventilation	Air Flow Rate	859	859	888	888	
	m³/min	6	6	6	6	
	Fan Quantity	6	6	6	6	
Sound	Static Pressure	110	110	110	110	
	Pa	70	70	70	71	
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	6	6	6	6	
Refrigerant	Type	R410A				
	Pre-charged Quantity	9.80+10.60+10.60	9.80+10.60+10.60	10.60+10.60+10.60	10.60+10.60+10.60	
Weight	Net Weight	369+377+378	369+378+378	377+378+378	378+378+378	
	Gross Weight	393+401+402	393+402+402	401+402+402	402+402+402	
Dimensions	External(HxWxD)	mm	1730x	1730x	1730x	
		(1350+1350+1350)	(1350+1350+1350)	(1350+1350+1350)	(1350+1350+1350)	
	Packing(HxWxD)	mm	1930x	1930x	1930x	1930x
		(1420+1420+1420)	(1420+1420+1420)	(1420+1420+1420)	(1420+1420+1420)	
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	φ44.5(1-3/4)	φ50.8(2)	φ50.8(2)	
	High/Low Pressure Gas Line	mm(in.)	φ41.3(1-5/8)	φ44.5(1-3/4)	φ44.5(1-3/4)	
	Liquid Line	mm(in.)	φ22.2(7/8)	φ25.4(1)	φ25.4(1)	
Heat Pump Operation System	Gas Line	mm(in.)	φ44.5(1-3/4)	φ50.8(2)	φ50.8(2)	
	Liquid Line	mm(in.)	φ22.2(7/8)	φ25.4(1)	φ25.4(1)	
Connectable Indoor Units	Quantity	64	64	64	64	
	Total Capacity	200%*1	200%*1	200%*1	200%*1	
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90°)	50(90°)	50(90°)	
	m(below)	40(90°)	40(90°)	40(90°)	40(90°)	
	Height Difference Between IDUs	m	15(30°)	15(30°)	15(30°)	
	Max. Piping Length	m	165	165	165	
Operation Range	Cooling	DB	-10°C-52°C	-10°C-52°C	-10°C-52°C	
	Heating	WB	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	

RELIABILITY

EFFICIENCY

COMFORT

FLEXIBILITY

OUTDOOR UNIT

INDOOR UNIT

CONTROL SYSTEM

ACCESSORY

Hi-FLEXi S Heat Recovery



HP		74HP	76HP	78HP	80HP
Model	Model	AVWT-714FKFSA	AVWT-732FKFSA	AVWT-754FKFSA	AVWT-776FKFSA
	Modules	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA
		AVWT-232FKFSA AVWT-250FKFSA	AVWT-250FKFSA AVWT-250FKFSA	AVWT-250FKFSA AVWT-272FKFSA	AVWT-272FKFSA
Power Supply		AC 3 ϕ , 380-415V/50/60Hz			
Cooling	Capacity	kW 208.5	213.0	220.5	228.0
		kBtu/h 711.4	726.8	752.3	777.9
	Power Input	kW 63.11	64.41	66.75	69.09
	EER	kW/kW 3.30	3.31	3.30	3.30
Heating	Capacity(Max/Nom)	kW 230.0 / 208.5	235.0 / 213.0	245.0 / 220.5	255.0 / 228.0
		kBtu/h 784.8 / 711.4	801.8 / 726.8	835.9 / 752.3	870.1 / 777.9
	Power Input(Max/Nom)	kW 65.19 / 55.98	66.11 / 56.83	69.76 / 59.51	73.45 / 62.21
	COP(Max)	kW/kW 3.53	3.55	3.51	3.47
Ventilation	Air Flow Rate	m ³ /min 942	996	996	996
	Fan Quantity	6	6	6	6
	Static Pressure	Pa 110	110	110	110
Sound	Sound Pressure Level	dB(A) 71	71	71	71
Compressor	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	6	6	6	6
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 10.60+10.60+11.50	10.60+11.50+11.50	10.60+11.50+11.50	10.60+11.50+11.50
Weight	Net Weight	kg 378+378+400	378+400+400	378+401+401	378+401+401
	Gross Weight	kg 402+402+426	402+426+426	402+426+427	402+427+427
Dimensions	External(HxWxD)	mm 1730x (1350+1350+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750
		mm 1930x (1420+1420+1665) x790	1930x (1420+1665+1665) x790	1930x (1420+1665+1665) x790	1930x (1420+1665+1665) x790
	Packing(HxWxD)	mm 1730x (1350+1350+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750	1730x (1350+1600+1600) x750
		mm 1930x (1420+1420+1665) x790	1930x (1420+1665+1665) x790	1930x (1420+1665+1665) x790	1930x (1420+1665+1665) x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.) ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	High/Low Pressure Gas Line	mm(in.) ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)
	Liquid Line	mm(in.) ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Heat Pump Operation System	Gas Line	mm(in.) ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	Liquid Line	mm(in.) ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Connectable Indoor Units	Quantity	64	64	64	64
	Total Capacity	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above) 50(90°)	50(90°)	50(90°)	50(90°)
		m(below) 40(90°)	40(90°)	40(90°)	40(90°)
	Height Difference Between IDUs	m 15(30°)	15(30°)	15(30°)	15(30°)
	Max. Piping Length	m 165	165	165	165
Operation Range	Cooling	DB -10°C~-52°C	-10°C~-52°C	-10°C~-52°C	-10°C~-52°C
	Heating	WB -25°C~-16.5°C	-25°C~-16.5°C	-25°C~-16.5°C	-25°C~-16.5°C

Hi-FLEXi S Heat Recovery



HP		82HP	84HP	86HP	88HP
Model	Model	AVWT-794FKFSA	AVWT-816FKFSA	AVWT-824FKFSA	AVWT-844FKFSA
	Modules	AVWT-250FKFSA	AVWT-272FKFSA	AVWT-190FKFSA	AVWT-190FKFSA
		AVWT-272FKFSA AVWT-272FKFSA	AVWT-272FKFSA AVWT-272FKFSA	AVWT-212FKFSA AVWT-232FKFSA	AVWT-232FKFSA AVWT-232FKFSA
Power Supply		AC 3 ϕ , 380-415V/50/60Hz			
Cooling	Capacity	kW 232.5	240.0	241.5	248.0
		kBtu/h 793.3	818.9	824.0	846.2
	Power Input	kW 70.39	72.73	69.76	72.29
	EER	kW/kW 3.30	3.30	3.46	3.43
Heating	Capacity(Max/Nom)	kW 260.0 / 232.5	270.0 / 240.0	270.0 / 241.5	276.0 / 248.0
		kBtu/h 887.1 / 793.3	921.2 / 818.9	921.2 / 824.0	941.7 / 846.2
	Power Input(Max/Nom)	kW 74.33 / 63.05	78.03 / 65.75	73.24 / 61.26	75.83 / 63.69
	COP(Max)	kW/kW 3.50	3.46	3.69	3.64
Ventilation	Air Flow Rate	m ³ /min 1050	1050	1126	1126
	Fan Quantity	6	6	8	8
	Static Pressure	Pa 110	110	110	110
Sound	Sound Pressure Level	dB(A) 72	72	72	72
Compressor	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	6	6	8	8
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 11.50+11.50+11.50	11.50+11.50+11.50	9.80+9.80+10.60+10.60	9.80+9.80+10.60+10.60
Weight	Net Weight	kg 400+401+401	401+401+401	369+369+377+378	369+369+378+378
	Gross Weight	kg 426+427+427	427+427+427	393+393+401+402	393+393+402+402
Dimensions	External(HxWxD)	mm 1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
		mm 1930x (1665+1665+1665) x790	1930x (1665+1665+1665) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790
	Packing(HxWxD)	mm 1730x (1600+1600+1600) x750	1730x (1600+1600+1600) x750	1730x (1350+1350+1350+1350) x750	1730x (1350+1350+1350+1350) x750
		mm 1930x (1665+1665+1665) x790	1930x (1665+1665+1665) x790	1930x (1420+1420+1420+1420) x790	1930x (1420+1420+1420+1420) x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.) ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	High/Low Pressure Gas Line	mm(in.) ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)
	Liquid Line	mm(in.) ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Heat Pump Operation System	Gas Line	mm(in.) ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	Liquid Line	mm(in.) ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Connectable Indoor Units	Quantity	64	64	64	64
	Total Capacity	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above) 50(90°)	50(90°)	50(90°)	50(90°)
		m(below) 40(90°)	40(90°)	40(90°)	40(90°)
	Height Difference Between IDUs	m 15(30°)	15(30°)	15(30°)	15(30°)
	Max. Piping Length	m 165	165	165	165
Operation Range	Cooling	DB -10°C~-52°C	-10°C~-52°C	-10°C~-52°C	-10°C~-52°C
	Heating	WB -25°C~-16.5°C	-25°C~-16.5°C	-25°C~-16.5°C	-25°C~-16.5°C

Hi-FLEXi S Heat Recovery



HP		90HP	92HP	94HP	96HP
Model	Model	AVWT-866FKFSA	AVWT-886FKFSA	AVWT-908FKFSA	AVWT-928FKFSA
	Modules	AVWT-190FKFSA	AVWT-190FKFSA	AVWT-212FKFSA	AVWT-232FKFSA
		AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA
		AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA
Power Supply		AC 3 ϕ , 380-415V/50/60Hz			
Cooling	Capacity	kW 253.5	260.0	265.5	272.0
		kBtu/h 864.9	887.1	905.9	928.1
	Power Input	kW 74.77	77.33	79.83	82.42
	EER	kW/kW 3.39	3.36	3.33	3.30
Heating	Capacity(Max/Nom)	kW 282.0 / 253.5	288.0 / 260.0	294.0 / 265.5	300.0 / 272.0
		kBtu/h 962.2 / 864.9	982.7 / 887.1	1003.1 / 905.9	1023.6 / 928.1
	Power Input(Max/Nom)	kW 78.12 / 66.09	80.75 / 68.56	83.06 / 71.00	85.71 / 73.51
	COP(Max)	kW/kW 3.61	3.57	3.54	3.50
Ventilation	Air Flow Rate	m ³ /min 1155	1155	1184	1184
	Fan Quantity	8	8	8	8
	Static Pressure	Pa 110	110	110	110
Sound	Sound Pressure Level	dB(A) 72	72	72	72
Compressor	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	8	8	8	8
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 9.80+10.60+10.60+10.60	9.80+10.60+10.60+10.60	10.60+10.60+10.60+10.60	10.60+10.60+10.60+10.60
Weight	Net Weight	kg 369+377+378+378	369+378+378+378	377+378+378+378	378+378+378+378
	Gross Weight	kg 393+401+402+402	393+402+402+402	401+402+402+402	402+402+402+402
Dimensions	External(HxWxD)	mm 1730x (1350+1350+1350+1350)	1730x (1350+1350+1350+1350)	1730x (1350+1350+1350+1350)	1730x (1350+1350+1350+1350)
		x750	x750	x750	x750
	Packing(HxWxD)	mm 1930x (1420+1420+1420+1420)	1930x (1420+1420+1420+1420)	1930x (1420+1420+1420+1420)	1930x (1420+1420+1420+1420)
		x790	x790	x790	x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.) ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	High/Low Pressure Gas Line	mm(in.) ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)
	Liquid Line	mm(in.) ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Heat Pump Operation System	Gas Line	mm(in.) ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	Liquid Line	mm(in.) ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Connectable Indoor Units	Quantity	64	64	64	64
	Total Capacity	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above) 50(90°)	50(90°)	50(90°)	50(90°)
		m(below) 40(90°)	40(90°)	40(90°)	40(90°)
	Height Difference Between IDUs	m 15(30°)	15(30°)	15(30°)	15(30°)
	Max. Piping Length	m 165	165	165	165
Operation Range	Cooling	DB -10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C
	Heating	WB -25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C

Hi-FLEXi S Heat Recovery



HP		98HP	100HP	102HP	104HP
Model	Model	AVWT-946FKFSA	AVWT-968FKFSA	AVWT-988FKFSA	AVWT-1008FKFSA
	Modules	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-212FKFSA	AVWT-232FKFSA
		AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-232FKFSA
		AVWT-232FKFSA	AVWT-232FKFSA	AVWT-272FKFSA	AVWT-272FKFSA
Power Supply		AC 3 ϕ , 380-415V/50/60Hz			
Cooling	Capacity	kW 276.5	284.0	289.5	296.0
		kBtu/h 943.4	969.0	987.8	1010.0
	Power Input	kW 83.72	86.06	87.10	89.70
	EER	kW/kW 3.30	3.30	3.32	3.30
Heating	Capacity(Max/Nom)	kW 305.0 / 276.5	315.0 / 284.0	324.0 / 289.5	330.0 / 296.0
		kBtu/h 1040.7 / 943.4	1074.8 / 969.0	1105.5 / 987.8	1126.0 / 1010.0
	Power Input(Max/Nom)	kW 86.62 / 74.36	90.29 / 77.05	92.19 / 78.05	94.87 / 80.59
	COP(Max)	kW/kW 3.52	3.49	3.51	3.48
Ventilation	Air Flow Rate	m ³ /min 1238	1238	1292	1292
	Fan Quantity	8	8	8	8
	Static Pressure	Pa 110	110	110	110
Sound	Sound Pressure Level	dB(A) 72	72	72	73
Compressor	Type	Enhanced Vapor Injection Scroll Compressor			
	Compressor Quantity	8	8	8	8
Refrigerant	Type	R410A			
	Pre-charged Quantity	kg 10.60+10.60+10.60+11.50	10.60+10.60+10.60+11.50	10.60+10.60+11.50+11.50	10.60+10.60+11.50+11.50
Weight	Net Weight	kg 378+378+378+400	378+378+378+401	377+378+401+401	378+378+401+401
	Gross Weight	kg 402+402+402+426	402+402+402+427	401+402+427+427	402+402+427+427
Dimensions	External(HxWxD)	mm 1730x (1350+1350+1350+1600)	1730x (1350+1350+1350+1600)	1730x (1350+1350+1600+1600)	1730x (1350+1350+1600+1600)
		x750	x750	x750	x750
	Packing(HxWxD)	mm 1930x (1420+1420+1420+1665)	1930x (1420+1420+1420+1665)	1930x (1420+1420+1665+1665)	1930x (1420+1420+1665+1665)
		x790	x790	x790	x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.) ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	High/Low Pressure Gas Line	mm(in.) ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)	ϕ 44.5(1-3/4)
	Liquid Line	mm(in.) ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Heat Pump Operation System	Gas Line	mm(in.) ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)	ϕ 50.8(2)
	Liquid Line	mm(in.) ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)	ϕ 25.4(1)
Connectable Indoor Units	Quantity	64	64	64	64
	Total Capacity	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above) 50(90°)	50(90°)	50(90°)	50(90°)
		m(below) 40(90°)	40(90°)	40(90°)	40(90°)
	Height Difference Between IDUs	m 15(30°)	15(30°)	15(30°)	15(30°)
	Max. Piping Length	m 165	165	165	165
Operation Range	Cooling	DB -10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C
	Heating	WB -25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C

Hi-FLEXi S Heat Recovery



NOTES:

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

- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.

- The final appearance of outdoor units is subject to the actual products.

*1: If you have any questions, please contact with the technical engineer.

*2: For detailed information, please contact with Hisense's technical staff.

HP		106HP	108HP	110HP	112HP	
Model	Model	AVWT-1026FKFSA	AVWT-1048FKFSA	AVWT-1066FKFSA	AVWT-1088FKFSA	
	Modules	AVWT-232FKFSA	AVWT-232FKFSA	AVWT-250FKFSA	AVWT-272FKFSA	
		AVWT-250FKFSA	AVWT-272FKFSA	AVWT-272FKFSA	AVWT-272FKFSA	
		AVWT-272FKFSA	AVWT-272FKFSA	AVWT-272FKFSA	AVWT-272FKFSA	
		AVWT-272FKFSA	AVWT-272FKFSA	AVWT-272FKFSA	AVWT-272FKFSA	
Power Supply	AC 3Φ, 380-415V/50/60Hz					
Cooling	Capacity	kW	300.5	308.0	312.5	320.0
		kBtu/h	1025.3	1050.9	1066.3	1091.8
	Power Input	kW	90.99	93.33	94.63	96.97
	EER	kW/kW	3.30	3.30	3.30	3.30
Heating	Capacity(Max/Nom)	kW	335.0 / 300.5	345.0 / 308.0	350.0 / 312.5	360.0 / 320.0
		kBtu/h	1143.0 / 1025.3	1177.1 / 1050.9	1194.2 / 1066.3	1228.3 / 1091.8
	Power Input(Max/Nom)	kW	95.76 / 81.42	99.46 / 84.13	100.34 / 84.96	104.05 / 87.67
	COP(Max)	kW/kW	3.50	3.47	3.49	3.46
Ventilation	Air Flow Rate	m ³ /min	1346	1346	1400	1400
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	73	73	73	73
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	10.60+11.50+11.50+11.50	10.60+11.50+11.50+11.50	11.50+11.50+11.50+11.50	11.50+11.50+11.50+11.50
Weight	Net Weight	kg	378+400+401+401	378+401+401+401	400+401+401+401	401+401+401+401
	Gross Weight	kg	402+426+427+427	402+427+427+427	426+427+427+427	427+427+427+427
Dimensions	External(HxWxD)	mm	1730x (1350+1600+1600+1600)	1730x (1350+1600+1600+1600)	1730x (1600+1600+1600+1600)	1730x (1600+1600+1600+1600)
			x750	x750	x750	x750
	Packing(HxWxD)	mm	1930x (1420+1665+1665+1665)	1930x (1420+1665+1665+1665)	1930x (1665+1665+1665+1665)	1930x (1665+1665+1665+1665)
			x790	x790	x790	x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	
Heat Recovery Operation System	Low Pressure Gas Line	mm(in.)	φ50.8(2)	φ50.8(2)	φ50.8(2)	φ50.8(2)
	High/Low Pressure Gas Line	mm(in.)	φ44.5(1-3/4)	φ44.5(1-3/4)	φ44.5(1-3/4)	φ44.5(1-3/4)
	Liquid Line	mm(in.)	φ25.4(1)	φ25.4(1)	φ25.4(1)	φ25.4(1)
Heat Pump Operation System	Gas Line	mm(in.)	φ50.8(2)	φ50.8(2)	φ50.8(2)	φ50.8(2)
	Liquid Line	mm(in.)	φ25.4(1)	φ25.4(1)	φ25.4(1)	φ25.4(1)
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	200%*1	200%*1	200%*1	200%*1
Piping Design	Height Difference Between ODU and IDU	m(above)	50(90°*)	50(90°*)	50(90°*)	50(90°*)
		m(below)	40(90°*)	40(90°*)	40(90°*)	40(90°*)
	Height Difference Between IDUs	m	15(30°*)	15(30°*)	15(30°*)	15(30°*)
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-10°C-52°C	-10°C-52°C	-10°C-52°C	-10°C-52°C
	Heating	WB	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C

Switch Box

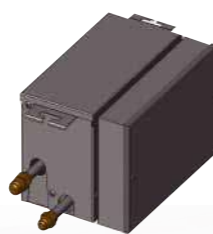
Introduction

Used for heat recovery systems to achieve simultaneous cooling and heating in a system, it is very important to realize installation flexibility and reduce costs.

Advantage

- Enrich the products (1,4,8,12,16).
- Maximize capacity to 16kW or more.
- Require no drain pipes or drainage connections.
- Combine between single branch and multi-branch flexibility.
- Enable fewer connections, hooks and service parts for easy installation.

Original Products



New Switch Box



Model	Single Branch		Multi Branch						
	HCHS-N06XA	HCHS-N10XA	HCHM-N04XA	HCHM-N08XA	HCHM-N12XA	HCHM-N16XA			
Appearance									
Electrical	AC 1Φ, 220-240V/50/60Hz								
Power Supply	-								
Power Input	W	5	5	11.2	22.4	33.6	44.8		
Maximum Total Capacity Index	kW	16	28	44.8	85	85	85		
Number of Branches	-	1	1	4	8	12	16		
Maximum Capacity Index per Branch	kW	-	-	16	16	16	16		
Maximum Connectable Indoor Units per Branch	pics	8	8	8	8	6	6		
Dimensions (H x W x D)	mm	191 x 301 x 214	191 x 301 x 214	260 x 303 x 352	260 x 543 x 352	260 x 783 x 352	260 x 1023 x 352		
Refrigerant	R410A								
Refrigerant	Outdoor Unit Side	Gas Line (High and Low Pressure Side)	mm (in.)	φ 15.88(5/8)	φ 15.88(5/8)	φ 22.20(7/8)	φ 22.20(7/8)	φ 25.40(1)	φ 28.58(1-1/8)
		Gas Line (Suction Gas)	mm (in.)	φ 19.05(3/4)	φ 19.05(3/4)	φ 25.40(1)	φ 28.58(1-1/8)	φ 28.58(1-1/8)	φ 31.75(1-1/4)
		Liquid Line	mm (in.)	Not Included	Not Included	φ 12.70(1/2)	φ 12.70(1/2)	φ 15.88(5/8)	φ 19.05(3/4)
Piping	Indoor Unit Side	Gas Line	mm (in.)	φ 15.88(5/8)	φ 19.05(3/4)	φ 15.88(5/8)	φ 15.88(5/8)	φ 15.88(5/8)	φ 15.88(5/8)
		Liquid Line	mm (in.)	Not Included	Not Included	φ 9.52(3/8)	φ 9.52(3/8)	φ 9.52(3/8)	φ 9.52(3/8)
Net Weight	kg	6.3	6.4	14.1	25.2	35.5	46.7		
Noise Level	Sound Pressure Level	dB (A)	33	33	31	31	34	34	
	Max Sound	dB (A)	46	46	43	46	48	49	

Hydro Box

Specification for Hydro Box

Model		AHM-080FJFAA	AHM-160FJFAA
Power Supply		AC 1Φ, 220~240V/50Hz AC 1Φ, 220V/60Hz	
Cooling Capacity (A 35/24°C/W 12~7°C)		7.5	12.5
Heating Capacity (A 7/6°C/W 30~35°C)	kW	8	16
Power Input	kW	0.08(3.08)	0.14(3.14)
Dimensions	H x W x D	mm	890 x 520 x 320
Packing Dimensions	H x W x D	mm	1120 x 595 x 462
Weight	Net	kg	55
	Gross	kg	72
Heat Exchanger		Plate Heat Exchanger	
Heat Exchanger Insulation Material		Elastomeric Foam	
Water Production	Heating	°C	20 to 55
	DHW(with electric heater)	°C	35 to 75
Sound Pressure	Cooling	°C	5 to 20
		dB(A)	33
Sound Power		dB(A)	46
Piping Connections	Gas	mm	φ 15.88
	Liquid	mm	φ 9.53
Water Pump	Type		DC Motor
	Speed		Inverter Control
	Pumping Head	m	12.5
Booster Heating	Pumping Head for Water Circuit		5
	Power Input	w	100
Water Filter		kW	3
	Diameter Perforations	mm	0.85
Water Circuit	Material		Hpb59-1
	Piping Connections Diameter	mm	G1-1/4"
	Shut off Valve		Yes
	Drain Valve		Yes
	Safety Valve	Bar	3
	Air Purge Valve		Yes
Nominal Water		m³/h	1.38
Expansion Vessel			2.75
	Volume	L	8
	Max. Water Pressure	Bar	3
			8
			3

Operation Range

Indoor Unit Cooling

	Maximum	Minimum
Indoor	32°C DB / 23°C WB	21°C DB / 15°C WB
Outdoor	52°C DB*	-10°C DB

Indoor Unit Heating

	Maximum	Minimum
Indoor	27°C DB	15°C DB
Outdoor	16.5°C WB	-25°C WB**

Hydro Box Cooling

	Maximum	Minimum
Inlet Water	25°C	10°C
Outdoor	48°C DB	10°C DB

Hydro Box Heating (Floor Heating)

	Maximum	Minimum
Inlet Water	54°C	10°C
Outdoor	16.5°C WB	-25°C WB**

Hydro Box Heating (DHW)

	Maximum	Minimum
Inlet Water	54°C	10°C
Outdoor	43°C WB	-25°C WB**

DB: Dry Bulb
WB: Wet Bulb
(*) 48°C DB ~ 52°C DB, Operation Control Range
(**) -20°C WB ~ -25°C WB, Operation Control Range

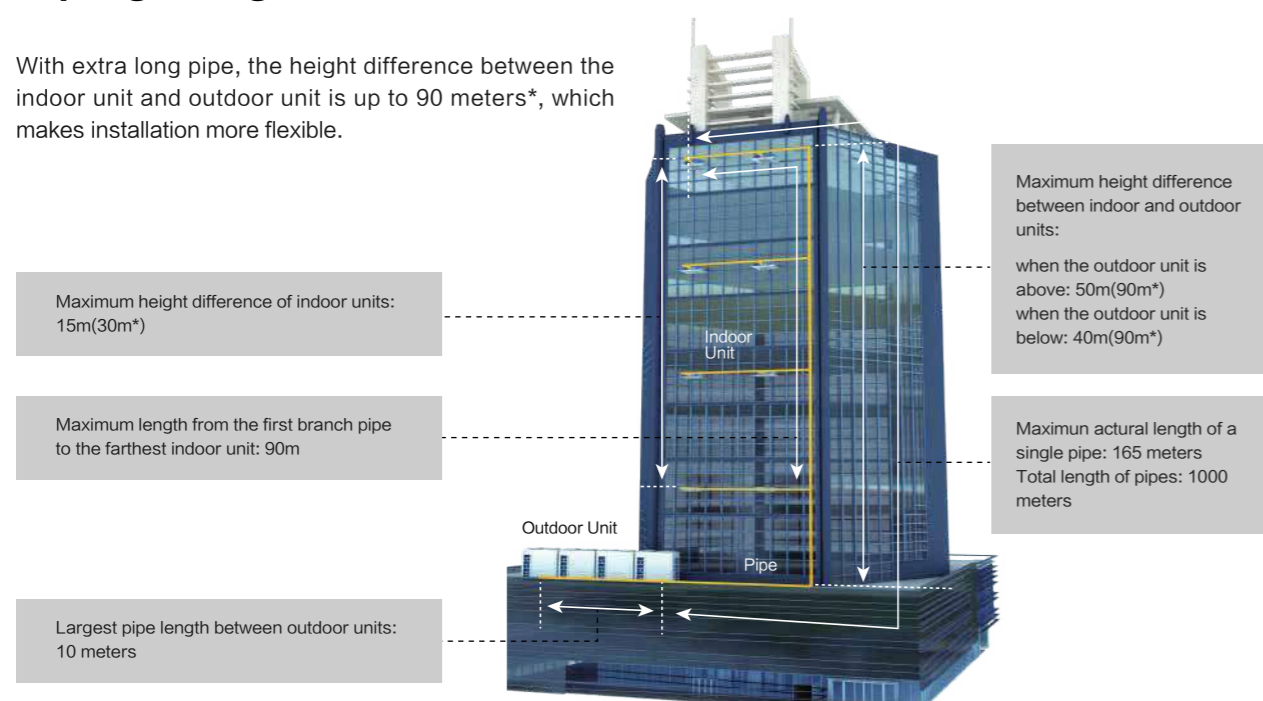


Hi-FLEXi S Series



Piping Length

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



*Note: For detailed information, please contact Hisense's technical staff.

Hi-FLEXi S Series



HP		8HP	10HP	12HP	14HP	16HP	18HP	
Model		AVWT-76HKSS	AVWT-96HKSS	AVWT-114HKSS	AVWT-136HKSS	AVWT-154HKSS	AVWT-170HKSS	
Model	Modules	—	—	—	—	—	—	
Power Supply		AC 3 ϕ , 380-415V/50/60Hz						
Cooling	Capacity	kW	22.4	28.0	33.5	40.0	50.0	
		kBtu/h	76.4	95.5	114.3	136.5	153.5	170.6
	Power Input	kW	5.21	7.00	8.65	10.53	12.50	15.63
Heating	EER	kW/kW	4.30	4.00	3.87	3.80	3.60	3.20
	Capacity	kW	25.0	31.5	37.5	45.0	50.0	56.0
		kBtu/h	85.3	107.5	128.0	153.5	170.6	191.1
Ventilation	Power Input	kW	5.77	7.59	9.21	11.72	13.70	16.97
	COP	kW/kW	4.33	4.15	4.07	3.84	3.65	3.30
	Air Flow Rate	m ³ /min	183	183	183	200	200	200
Sound	Fan Quantity		1	1	1	2	2	2
	Static Pressure	Pa	110	110	110	110	110	110
Compressor	Sound Pressure Level	dB(A)	59	60	62	62	62	62
	Type	—	Enhanced Vapor Injection Compressor					
Refrigerant	Compressor Quantity	pcs	1	1	1	1	1	2
	Type	—	R410A					
Weight	Pre-charged Quantity	kg	7.4	8.6	9.5	12.0	12.0	13.2
	Net Weight	kg	224	244	245	297	298	347
Dimensions	Gross Weight	kg	243	263	265	321	322	371
	External(HxWxD)	mm	1730x950x750	1730x950x750	1730x950x750	1730x1210x750	1730x1210x750	1730x1210x750
Cabinet Color	Packing(HxWxD)	mm	1930x1015x790	1930x1015x790	1930x1015x790	1930x1275x790	1930x1275x790	1930x1275x790
			Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	ϕ 19.05	ϕ 22.20	ϕ 25.40	ϕ 25.40	ϕ 28.60	ϕ 28.60
	Liquid	inch	3/4	7/8	1	1	1-1/8	1-1/8
Connectable Indoor Units	mm	ϕ 9.53	ϕ 9.53	ϕ 12.70	ϕ 12.70	ϕ 12.70	ϕ 15.88	
	Quantity	pcs	3/8	3/8	1/2	1/2	1/2	5/8
Piping Design	Total Capacity	pcs	13	16	19	23	26	29
	Height Difference Between ODU and IDU	m(above)	—	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
		m(below)	50 (90*)	50 (90*)	50 (90*)	50 (90*)	50 (90*)	50 (90*)
Operation Range	Height Difference Between IDUs	m	40 (90*)	40 (90*)	40 (90*)	40 (90*)	40 (90*)	40 (90*)
	Max. Piping Length	m	15 (30*)	15 (30*)	15 (30*)	15 (30*)	15 (30*)	15 (30*)
Cooling	DB		165	165	165	165	165	
	WB		-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C
Heating	DB		-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	
	WB		-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	

Hi-FLEXi S Series



Hi-FLEXi S Series



HP		20HP	22HP	24HP	26HP	28HP	
Model	Model	AVWT-190HKSS	AVWT-212HKSS	AVWT-232HKSS	AVWT-250HKSS	AVWT-272HKSS	
Model	Modules	—	—	—	—	—	
	Power Supply	AC 3 ϕ , 380-415V/50/60Hz					
Cooling	Capacity	kW	56.0	61.5	68.0	72.5	80.0
		kBtu/h	191.1	209.8	232.1	246.5	272.0
	Power Input	kW	17.90	20.50	22.82	24.58	27.59
	EER	kW/kW	3.13	3.00	2.98	2.95	2.90
Heating	Capacity	kW	63.0	69.0	75.0	80.0	90.0
		kBtu/h	215.0	235.4	255.0	272.0	306.0
	Power Input	kW	19.87	22.48	24.59	26.67	30.41
	COP	kW/kW	3.17	3.07	3.05	3.00	2.96
Ventilation	Air Flow Rate	m ³ /min	267	296	296	350	350
	Fan Quantity		2	2	2	2	2
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	63	64	66	67	67
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	pcs	2	2	2	2	2
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	14.3	15.5	15.5	17.3	17.3
Weight	Net Weight	kg	361	369	370	414	415
	Gross Weight	kg	395	396	397	446	447
Dimensions	External(HxWxD)	mm	1730x1350x750	1730x1350x750	1730x1350x750	1730x1600x750	1730x1600x750
	Packing(HxWxD)	mm	1930x1420x790	1930x1420x790	1930x1420x790	1930x1665x790	1930x1665x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	
Ref. Piping	Gas	mm	ϕ 28.60	ϕ 28.60	ϕ 28.60	ϕ 31.75	ϕ 31.75
		inch	1-1/8	1-1/8	1-1/8	1-1/4	1-1/4
	Liquid	mm	ϕ 15.88	ϕ 15.88	ϕ 15.88	ϕ 19.05	ϕ 19.05
		inch	5/8	5/8	5/8	3/4	3/4
Connectable Indoor Units	Quantity	pcs	33	36	40	43	47
	Total Capacity	—	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})
		m(below)	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})
	Height Difference Between IDUs	m	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})
	Max. Piping Length	m	165	165	165	165	165
Operation Range	Cooling	DB	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

HP		30HP	32HP	34HP	36HP	38HP	
Model	Model	AVWT-290HKSS	AVWT-308HKSS	AVWT-324HKSS	AVWT-344HKSS	AVWT-360HKSS	
Model	Modules	AVWT-154HKSS AVWT-136HKSS	AVWT-154HKSS AVWT-154HKSS	AVWT-170HKSS AVWT-154HKSS	AVWT-190HKSS AVWT-154HKSS	AVWT-190HKSS AVWT-170HKSS	
	Power Supply	AC 3 ϕ , 380-415V/50/60Hz					
Cooling	Capacity	kW	85.0	90.0	95.0	101.0	106.0
		kBtu/h	290.0	307.0	324.1	344.6	361.7
	Power Input	kW	23.03	25.00	28.13	30.40	33.53
	EER	kW/kW	3.69	3.60	3.38	3.32	3.16
Heating	Capacity	kW	95.0	100.0	106.0	113.0	119.0
		kBtu/h	324.1	341.2	361.7	385.6	406.1
	Power Input	kW	25.42	27.40	30.67	33.57	36.84
	COP	kW/kW	3.74	3.65	3.46	3.37	3.23
Ventilation	Air Flow Rate	m ³ /min	400	400	400	467	467
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	67	67	67	67	67
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	pcs	2	2	3	3	4
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	24.0	24.0	25.20	26.30	27.5
Weight	Net Weight	kg	595	596	645	659	708
	Gross Weight	kg	643	644	693	717	766
Dimensions	External(HxWxD)	mm	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1210) x750	1730x (1210+1350) x750	1730x (1210+1350) x750
	Packing(HxWxD)	mm	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1275) x790	1930x (1275+1420) x790	1930x (1275+1420) x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	
Ref. Piping	Gas	mm	ϕ 31.75	ϕ 31.75	ϕ 38.1	ϕ 38.1	ϕ 38.1
		inch	1-1/4	1-1/4	1-1/2	1-1/2	1-1/2
	Liquid	mm	ϕ 19.05	ϕ 19.05	ϕ 19.05	ϕ 19.05	ϕ 19.05
		inch	3/4	3/4	3/4	3/4	3/4
Connectable Indoor Units	Quantity	pcs	49	52	55	59	62
	Total Capacity	—	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})
		m(below)	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})
	Height Difference Between IDUs	m	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})
	Max. Piping Length	m	165	165	165	165	165
Operation Range	Cooling	DB	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Hi-FLEXi S Series



HP		40HP	42HP	44HP	46HP	48HP	
Model	Model	AVWT-380HKSS	AVWT-402HKSS	AVWT-422HKSS	AVWT-444HKSS	AVWT-464HKSS	
	Modules	AVWT-190HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-170HKSS	AVWT-232HKSS AVWT-190HKSS	AVWT-232HKSS AVWT-212HKSS	AVWT-232HKSS AVWT-232HKSS	
Power Supply		AC 3 ϕ , 380-415V/50/60Hz					
Cooling	Capacity	kW	112.0	118.0	124.0	129.5	136.0
		kBtu/h	382.1	402.7	432.2	441.9	464.2
	Power Input	kW	35.80	38.45	40.72	43.32	45.64
	EER	kW/kW	3.13	3.07	3.05	2.99	2.98
Heating	Capacity	kW	126.0	131.0	138.0	144.0	150.0
		kBtu/h	430.0	446.1	470.0	490.4	510.0
	Power Input	kW	39.74	41.56	44.46	47.07	49.18
	COP	kW/kW	3.17	3.15	3.10	3.06	3.05
Ventilation	Air Flow Rate	m ³ /min	534	496	563	592	592
	Fan Quantity		4	4	4	4	4
	Static Pressure	Pa	110	110	110	110	110
Sound	Sound Pressure Level	dB(A)	67	67	68	68	69
Compressor	Type	Enhanced Vapor Injection Scroll Compressor					
	Compressor Quantity	pcs	4	4	4	4	4
Refrigerant	Type	R410A					
	Pre-charged Quantity	kg	28.6	28.7	29.8	31.0	31.0
Weight	Net Weight	kg	722	717	731	739	740
	Gross Weight	kg	790	768	792	793	794
Dimensions	External(HxWxD)	mm	1730x (1350+1350) x750	1730x (1210+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750	1730x (1350+1350) x750
		mm	1930x (1420+1420) x790	1930x (1275+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790
	Packing(HxWxD)	mm	1930x (1420+1420) x790	1930x (1275+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790
		mm	1930x (1420+1420) x790	1930x (1275+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790	1930x (1420+1420) x790
Cabinet Color		Ivory White					
Ref. Piping	Gas	mm	ϕ 38.1	ϕ 38.1	ϕ 38.1	ϕ 41.3	ϕ 41.3
		inch	1-1/2	1-1/2	1-1/2	1-5/8	1-5/8
	Liquid	mm	ϕ 19.05	ϕ 19.05	ϕ 19.05	ϕ 22.2	ϕ 22.2
		inch	3/4	3/4	3/4	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})
		m(below)	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})
	Height Difference Between IDUs	m	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})
	Max. Piping Length	m	165	165	165	165	165
Operation Range	Cooling	DB	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Hi-FLEXi S Series



HP		50HP	52HP	54HP	56HP	
Model	Model	AVWT-482HKSS	AVWT-504HKSS	AVWT-522HKSS	AVWT-544HKSS	
	Modules	AVWT-250HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-232HKSS	AVWT-272HKSS AVWT-250HKSS	AVWT-272HKSS AVWT-272HKSS	
Power Supply		AC 3 ϕ , 380-415V/50/60Hz				
Cooling	Capacity	kW	140.5	148.0	152.5	160.0
		kBtu/h	478.6	504.1	518.5	544.0
	Power Input	kW	47.40	50.41	52.17	55.18
	EER	kW/kW	2.96	2.94	2.92	2.90
Heating	Capacity	kW	155.0	165.0	170.0	180.0
		kBtu/h	527.0	561.0	578.0	612.0
	Power Input	kW	51.26	55.00	57.08	60.82
	COP	kW/kW	3.02	3.00	2.98	2.96
Ventilation	Air Flow Rate	m ³ /min	646	646	700	700
	Fan Quantity		4	4	4	4
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	70	70	70	70
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	4	4	4	4
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	32.8	32.8	34.6	34.6
Weight	Net Weight	kg	784	785	829	830
	Gross Weight	kg	843	844	893	894
Dimensions	External(HxWxD)	mm	1730x (1350+1600) x750	1730x (1350+1600) x750	1730x (1600+1600) x750	1730x (1600+1600) x750
		mm	1930x (1420+1665) x790	1930x (1420+1665) x790	1930x (1665+1665) x790	1930x (1665+1665) x790
	Packing(HxWxD)	mm	1930x (1420+1665) x790	1930x (1420+1665) x790	1930x (1665+1665) x790	1930x (1665+1665) x790
		mm	1930x (1420+1665) x790	1930x (1420+1665) x790	1930x (1665+1665) x790	1930x (1665+1665) x790
Cabinet Color		Ivory White				
Ref. Piping	Gas	mm	ϕ 41.3	ϕ 41.3	ϕ 41.3	ϕ 41.3
		inch	1-5/8	1-5/8	1-5/8	1-5/8
	Liquid	mm	ϕ 22.2	ϕ 22.2	ϕ 22.2	ϕ 22.2
		inch	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})
		m(below)	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})
	Height Difference Between IDUs	m	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Hi-FLEXi S Series



HP		58HP	60HP	62HP	64HP	
Model	Model	AVWT-552HKSS	AVWT-570HKSS	AVWT-592HKSS	AVWT-612HKSS	
	Modules	AVWT-212HKSS	AVWT-190HKSS	AVWT-232HKSS	AVWT-232HKSS	
		AVWT-170HKSS	AVWT-190HKSS	AVWT-190HKSS	AVWT-190HKSS	
Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	161.5	168.0	174.0	180.0
		kBtu/h	551.0	573.3	593.7	614.3
	Power Input	kW	51.76	53.70	56.35	58.62
	EER	kW/kW	3.12	3.13	3.09	3.07
Heating	Capacity	kW	181.0	189.0	194.0	201.0
		kBtu/h	617.6	645.0	661.1	685.0
	Power Input	kW	56.42	59.61	61.43	64.33
	COP	kW/kW	3.21	3.17	3.16	3.12
Ventilation	Air Flow Rate	m ³ /min	696	801	763	830
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	70	70	70	70
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	41.9	42.9	43.0	44.1
Weight	Net Weight	kg	1063	1083	1078	1092
	Gross Weight	kg	1138	1185	1163	1187
Dimensions	External(HxWxD)	mm	1730x (1210+1210+1350)	1730x (1350+1350+1350)	1730x (1210+1350+1350)	1730x (1350+1350+1350)
			x750	x750	x750	x750
	Packing(HxWxD)	mm	1930x (1275+1275+1420)	1930x (1420+1420+1420)	1930x (1275+1420+1420)	1930x (1420+1420+1420)
			x790	x790	x790	x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	
Ref. Piping	Gas	mm	φ44.5	φ44.5	φ44.5	φ44.5
		inch	1-3/4	1-3/4	1-3/4	1-3/4
	Liquid	mm	φ22.2	φ22.2	φ22.2	φ22.2
		inch	7/8	7/8	7/8	7/8
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})
		m(below)	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})
	Height Difference Between IDUs	m	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C
	Heating	WB	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C

Hi-FLEXi S Series



HP		66HP	68HP	70HP	72HP	
Model	Model	AVWT-634HKSS	AVWT-654HKSS	AVWT-676HKSS	AVWT-696HKSS	
	Modules	AVWT-232HKSS	AVWT-232HKSS	AVWT-232HKSS	AVWT-232HKSS	
		AVWT-212HKSS	AVWT-232HKSS	AVWT-232HKSS	AVWT-232HKSS	
Power Supply		AC 3Φ, 380-415V/50/60Hz				
Cooling	Capacity	kW	185.5	192.0	197.5	204.0
		kBtu/h	633.0	655.3	674.0	696.3
	Power Input	kW	61.22	63.54	66.14	68.46
	EER	kW/kW	3.03	3.02	2.99	2.98
Heating	Capacity	kW	207.0	213.0	219.0	225.0
		kBtu/h	705.4	725.0	745.4	765.0
	Power Input	kW	66.94	69.05	71.66	73.77
	COP	kW/kW	3.09	3.08	3.06	3.05
Ventilation	Air Flow Rate	m ³ /min	859	859	888	888
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	70	70	70	71
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	45.3	45.3	46.5	46.5
Weight	Net Weight	kg	1100	1101	1109	1110
	Gross Weight	kg	1188	1189	1190	1191
Dimensions	External(HxWxD)	mm	1730x (1350+1350+1350)	1730x (1350+1350+1350)	1730x (1350+1350+1350)	1730x (1350+1350+1350)
			x750	x750	x750	x750
	Packing(HxWxD)	mm	1930x (1420+1420+1420)	1930x (1420+1420+1420)	1930x (1420+1420+1420)	1930x (1420+1420+1420)
			x790	x790	x790	x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	
Ref. Piping	Gas	mm	φ44.5	φ50.8	φ50.8	φ50.8
		inch	1-3/4	2	2	2
	Liquid	mm	φ22.2	φ25.4	φ25.4	φ25.4
		inch	7/8	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})
		m(below)	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})
	Height Difference Between IDUs	m	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5°C-52°C	-5°C-52°C	-5°C-52°C	-5°C-52°C
	Heating	WB	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C	-25°C-16.5°C

Hi-FLEXi S Series



HP		74HP	76HP	78HP	80HP	
Model	Model	AVWT-714HKSS	AVWT-732HKSS	AVWT-754HKSS	AVWT-776HKSS	
	Modules	AVWT-250HKSS	AVWT-250HKSS	AVWT-272HKSS	AVWT-272HKSS	
		AVWT-232HKSS	AVWT-250HKSS	AVWT-250HKSS	AVWT-272HKSS	
Power Supply		AC 3 ϕ , 380-415V/50/60Hz				
Cooling	Capacity	kW	208.5	213.0	220.5	228.0
		kBtu/h	710.7	725.1	750.6	776.1
	Power Input	kW	70.22	71.98	74.99	78.00
	EER	kW/kW	2.97	2.96	2.95	2.92
Heating	Capacity	kW	230.0	235.0	245.0	255.0
		kBtu/h	782.0	799.0	833.0	867.0
	Power Input	kW	75.85	77.93	81.67	85.41
	COP	kW/kW	3.03	3.02	3.00	2.98
Ventilation	Air Flow Rate	m ³ /min	942	996	996	996
	Fan Quantity		6	6	6	6
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	71	71	71	71
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	6	6	6	6
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	48.3	50.1	50.1	50.1
Weight	Net Weight	kg	1154	1198	1199	1200
	Gross Weight	kg	1240	1289	1290	1291
Dimensions	External(HxWxD)	mm	(1350+1350+1600)	(1350+1600+1600)	(1350+1600+1600)	(1350+1600+1600)
			x750	x750	x750	x750
	Packing(HxWxD)	mm	1930x	1930x	1930x	1930x
			(1420+1420+1665)	(1420+1665+1665)	(1420+1665+1665)	(1420+1665+1665)
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	ϕ 50.8	ϕ 50.8	ϕ 50.8	ϕ 50.8
		inch	2	2	2	2
	Liquid	mm	ϕ 25.4	ϕ 25.4	ϕ 25.4	ϕ 25.4
		inch	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})
		m(below)	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})
	Height Difference Between IDUs	m	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})
		Max. Piping Length	m	165	165	165
Operation Range	Cooling	DB	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Hi-FLEXi S Series



HP		82HP	84HP	86HP	88HP	
Model	Model	AVWT-794HKSS	AVWT-816HKSS	AVWT-824HKSS	AVWT-844HKSS	
	Modules	AVWT-272HKSS	AVWT-272HKSS	AVWT-232HKSS	AVWT-232HKSS	
		AVWT-272HKSS	AVWT-272HKSS	AVWT-190HKSS	AVWT-190HKSS	
Power Supply		AC 3 ϕ , 380-415V/50/60Hz				
Cooling	Capacity	kW	232.5	240.0	241.5	248.0
		kBtu/h	790.5	816.0	824.1	846.4
	Power Input	kW	79.76	82.77	79.12	81.44
	EER	kW/kW	2.91	2.90	3.05	3.05
Heating	Capacity	kW	260.0	270.0	270.0	276.0
		kBtu/h	884.0	918.0	920.4	940.0
	Power Input	kW	87.49	91.23	86.81	88.92
	COP	kW/kW	2.97	2.96	3.11	3.10
Ventilation	Air Flow Rate	m ³ /min	1050	1050	1126	1126
	Fan Quantity		6	6	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	72
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	6	6	8	8
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	51.9	51.9	59.6	59.6
Weight	Net Weight	kg	1244	1245	1461	1462
	Gross Weight	kg	1340	1341	1583	1584
Dimensions	External(HxWxD)	mm	(1600+1600+1600)	(1600+1600+1600)	(1350+1350+1350+1350)	(1350+1350+1350+1350)
			x750	x750	x750	x750
	Packing(HxWxD)	mm	1930x	1930x	1930x	1930x
			(1665+1665+1665)	(1665+1665+1665)	(1420+1420+1420+1420)	(1420+1420+1420+1420)
Cabinet Color			Ivory White	Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	ϕ 50.8	ϕ 50.8	ϕ 50.8	ϕ 50.8
		inch	2	2	2	2
	Liquid	mm	ϕ 25.4	ϕ 25.4	ϕ 25.4	ϕ 25.4
		inch	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity	-	50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})
		m(below)	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})
	Height Difference Between IDUs	m	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})
		Max. Piping Length	m	165	165	165
Operation Range	Cooling	DB	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Hi-FLEXi S Series



HP		90HP	92HP	94HP	96HP	
Model	Model	AVWT-866HKSS	AVWT-886HKSS	AVWT-908HKSS	AVWT-928HKSS	
	Modules	AVWT-232HKSS	AVWT-232HKSS	AVWT-232HKSS	AVWT-232HKSS	
		AVWT-232HKSS	AVWT-232HKSS	AVWT-232HKSS	AVWT-232HKSS	
		AVWT-212HKSS	AVWT-232HKSS	AVWT-232HKSS	AVWT-232HKSS	
		AVWT-190HKSS	AVWT-190HKSS	AVWT-212HKSS	AVWT-232HKSS	
Power Supply	AC 3 ϕ , 380-415V/50/60Hz					
Cooling	Capacity	kW	253.5	260.0	265.5	272.0
		kBtu/h	865.1	887.4	906.1	928.4
	Power Input	kW	84.04	86.36	88.96	91.28
	EER	kW/kW	3.02	3.01	2.98	2.98
Heating	Capacity	kW	282.0	288.0	294.0	300.0
		kBtu/h	960.4	980.0	1000.4	1020.0
	Power Input	kW	91.53	93.64	96.25	98.36
	COP	kW/kW	3.08	3.08	3.05	3.05
Ventilation	Air Flow Rate	m ³ /min	1155	1155	1184	1184
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	72
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	60.8	60.8	62.0	62.0
Weight	Net Weight	kg	1470	1471	1479	1480
	Gross Weight	kg	1585	1586	1587	1588
Dimensions	External(HxWxD)	mm	(1350+1350+1350+1350) x750	(1350+1350+1350+1350) x750	(1350+1350+1350+1350) x750	(1350+1350+1350+1350) x750
			1930x	1930x	1930x	1930x
	Packing(HxWxD)	mm	(1420+1420+1420+1420) x790	(1420+1420+1420+1420) x790	(1420+1420+1420+1420) x790	(1420+1420+1420+1420) x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	
Ref. Piping	Gas	mm	ϕ 50.8	ϕ 50.8	ϕ 50.8	ϕ 50.8
		inch	2	2	2	2
	Liquid	mm	ϕ 25.4	ϕ 25.4	ϕ 25.4	ϕ 25.4
		inch	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity		50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90**)	50 (90**)	50 (90**)	50 (90**)
		m(below)	40 (90**)	40 (90**)	40 (90**)	40 (90**)
	Height Difference Between IDUs	m	15 (30**)	15 (30**)	15 (30**)	15 (30**)
		Max. Piping Length	m	165	165	165
Operation Range	Cooling	DB	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Hi-FLEXi S Series



HP		98HP	100HP	102HP	104HP	
Model	Model	AVWT-946HKSS	AVWT-968HKSS	AVWT-988HKSS	AVWT-1008HKSS	
	Modules	AVWT-250HKSS	AVWT-272HKSS	AVWT-272HKSS	AVWT-272HKSS	
		AVWT-232HKSS	AVWT-232HKSS	AVWT-272HKSS	AVWT-272HKSS	
		AVWT-232HKSS	AVWT-232HKSS	AVWT-232HKSS	AVWT-232HKSS	
		AVWT-232HKSS	AVWT-232HKSS	AVWT-212HKSS	AVWT-232HKSS	
Power Supply	AC 3 ϕ , 380-415V/50/60Hz					
Cooling	Capacity	kW	276.5	284.0	289.5	296.0
		kBtu/h	942.8	968.3	985.9	1008.0
	Power Input	kW	93.04	96.05	98.50	100.82
	EER	kW/kW	2.97	2.96	2.94	2.94
Heating	Capacity	kW	305.0	315.0	324.0	330.0
		kBtu/h	1037.0	1071.0	1102.4	1122.0
	Power Input	kW	100.44	104.18	107.89	110.00
	COP	kW/kW	3.04	3.02	3.00	3.00
Ventilation	Air Flow Rate	m ³ /min	1238	1238	1292	1292
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	72	72	72	73
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	63.8	63.8	65.6	65.6
Weight	Net Weight	kg	1524	1525	1569	1570
	Gross Weight	kg	1637	1638	1687	1688
Dimensions	External(HxWxD)	mm	(1350+1350+1350+1600) x750	(1350+1350+1350+1600) x750	(1350+1350+1600+1600) x750	(1350+1350+1600+1600) x750
			1930x	1930x	1930x	1930x
	Packing(HxWxD)	mm	(1420+1420+1420+1665) x790	(1420+1420+1420+1665) x790	(1420+1420+1665+1665) x790	(1420+1420+1665+1665) x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	
Ref. Piping	Gas	mm	ϕ 50.8	ϕ 50.8	ϕ 50.8	ϕ 50.8
		inch	2	2	2	2
	Liquid	mm	ϕ 25.4	ϕ 25.4	ϕ 25.4	ϕ 25.4
		inch	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity		50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90**)	50 (90**)	50 (90**)	50 (90**)
		m(below)	40 (90**)	40 (90**)	40 (90**)	40 (90**)
	Height Difference Between IDUs	m	15 (30**)	15 (30**)	15 (30**)	15 (30**)
		Max. Piping Length	m	165	165	165
Operation Range	Cooling	DB	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

Hi-FLEXi S Series



HP		106HP	108HP	110HP	112HP	
Model	Model	AVWT-1026HKSS	AVWT-1048HKSS	AVWT-1066HKSS	AVWT-1088HKSS	
	Modules	AVWT-272HKSS	AVWT-272HKSS	AVWT-272HKSS	AVWT-272HKSS	
		AVWT-272HKSS	AVWT-272HKSS	AVWT-272HKSS	AVWT-272HKSS	
		AVWT-250HKSS	AVWT-272HKSS	AVWT-272HKSS	AVWT-272HKSS	
	AVWT-232HKSS	AVWT-232HKSS	AVWT-250HKSS	AVWT-272HKSS		
Power Supply		AC 3 ϕ , 380-415V/50/60Hz				
Cooling	Capacity	kW	300.5	308.0	312.5	320.0
		kBtu/h	1022.6	1048.1	1062.5	1088.0
	Power Input	kW	102.58	105.59	107.35	110.36
	EER	kW/kW	2.93	2.92	2.91	2.90
Heating	Capacity	kW	335.0	345.0	350.0	360.0
		kBtu/h	1139.0	1173.0	1190.0	1224.0
	Power Input	kW	112.08	115.82	117.9	121.64
	COP	kW/kW	2.99	2.98	2.97	2.96
Ventilation	Air Flow Rate	m ³ /min	1346	1346	1400	1400
	Fan Quantity		8	8	8	8
	Static Pressure	Pa	110	110	110	110
Sound	Sound Pressure Level	dB(A)	73	73	73	73
Compressor	Type	Enhanced Vapor Injection Scroll Compressor				
	Compressor Quantity	pcs	8	8	8	8
Refrigerant	Type	R410A				
	Pre-charged Quantity	kg	67.4	67.4	69.2	69.2
Weight	Net Weight	kg	1614	1615	1659	1660
	Gross Weight	kg	1737	1738	1787	1788
Dimensions	External(HxWxD)	mm	(1350+1600+1600+1600)	(1350+1600+1600+1600)	(1600+1600+1600+1600)	(1600+1600+1600+1600)
			x750	x750	x750	x750
	Packing(HxWxD)	mm	(1420+1665+1665+1665)	(1420+1665+1665+1665)	(1665+1665+1665+1665)	(1665+1665+1665+1665)
			x790	x790	x790	x790
Cabinet Color		Ivory White	Ivory White	Ivory White	Ivory White	
Ref. Piping	Gas	mm	ϕ 50.8	ϕ 50.8	ϕ 50.8	ϕ 50.8
		inch	2	2	2	2
	Liquid	mm	ϕ 25.4	ϕ 25.4	ϕ 25.4	ϕ 25.4
		inch	1	1	1	1
Connectable Indoor Units	Quantity	pcs	64	64	64	64
	Total Capacity		50%-150%	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m(above)	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})	50 (90 ^{**})
		m(below)	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})	40 (90 ^{**})
	Height Difference Between IDUs	m	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})	15 (30 ^{**})
	Max. Piping Length	m	165	165	165	165
Operation Range	Cooling	DB	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C	-5 $^{\circ}$ C-52 $^{\circ}$ C
	Heating	WB	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C	-25 $^{\circ}$ C-16.5 $^{\circ}$ C

NOTES:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:
Cooling conditions: indoor air inlet temperature: 27 $^{\circ}$ C DB 19 $^{\circ}$ C WB, outdoor air inlet temperature: 35 $^{\circ}$ C DB, pipe length: 7.5m, pipe height difference: 0m.
Heating conditions: indoor air inlet temperature: 20 $^{\circ}$ C DB, outdoor air inlet temperature: 7 $^{\circ}$ C DB 6 $^{\circ}$ C WB, pipe length: 7.5m, pipe height difference: 0m.
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU & IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48 $^{\circ}$ C ~ 52 $^{\circ}$ C or -25 $^{\circ}$ C ~ -20 $^{\circ}$ C, please contact our professional engineer.

*1: For detailed information, please contact with Hisense's technical staff.