Hisense

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CE CB ISO14001 ISO9001 ISO45001 HCAC-CA-SMAVO1TH

Hisense VRF

Hi-FLEXi S mavo

WHY HISENSE VRF?

BECAUSE ...

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

Contents

Hisense VRF

RELIABILITY

- Oil return
- Oil separation
- Patented 360° fitted refrigerant cooling technology
- Smart rotative operation
- Compressor backup operation
- Fan backup operation
- Module backup operation
- Wider operation range
- Emergency power-off without disturbance
- Condensate water leakage protection
- Effective drainage solution
- Self-protection measures
- Insect protection design

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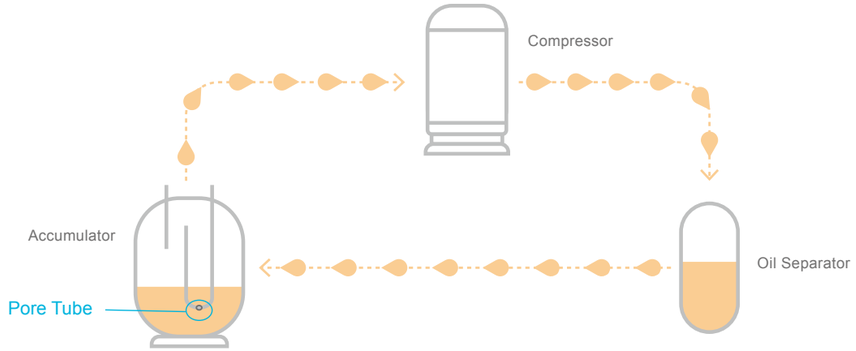
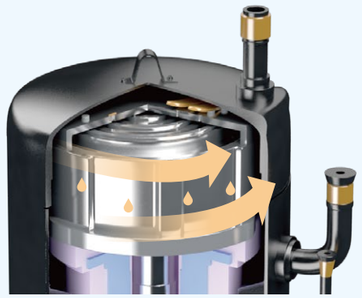
OIL RETURN

The accumulator adopts pore tube oil return technology with a built-in fine strainer, which not only ensures oil balance between compressors within one module, but also plays an important role in the oil balance between modules.
Besides this, the system implements oil-return function based on compressor frequency and corresponding operation time. The oil-return takes 60 seconds and can return to previous condition when it is finished.
In winter under heating mode, this operation is implemented without switching to cooling mode, which guarantees the heating performance.

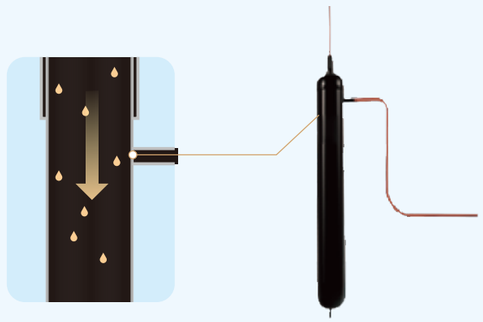


OIL SEPARATION

First-stage oil separation is realized through efficient oil separation structure inside the high-pressure-chamber compressor. Only a small amount of oil is brought out of the compressor.
During second-stage oil separation, the small amount of oil discharged from compressor is separated by a large-capacity, high-efficiency centrifugal oil separator, with efficiency over 99%.



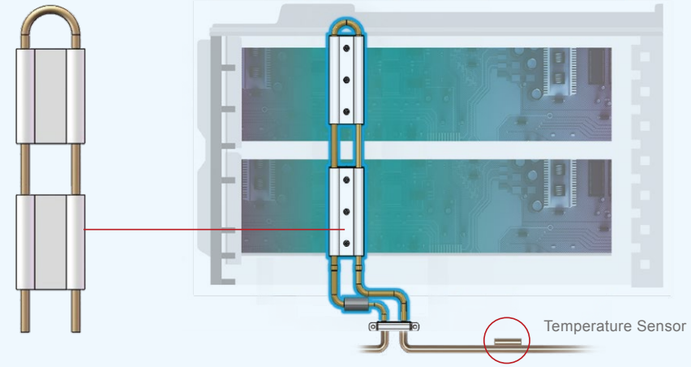
First-stage Oil Separation



Second-stage Oil Separation

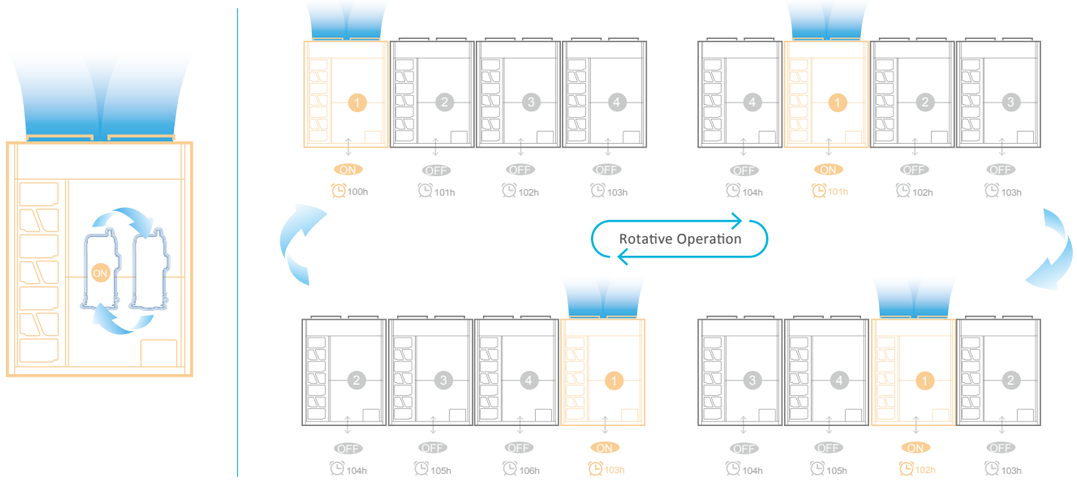
PATENTED 360° FITTED REFRIGERANT COOLING TECHNOLOGY

To maintain the lifespan of the delicate electronics,Hisense S mavo series uses refrigerant cooling technology to effectively cool the whole electronic box. As such, overcoming poor heat dissipation and high ambient temperature issues to maintain efficient operation even at harsh environment.
The refrigerant cooling unit adds the temperature sensor, which will be more precise to control the refrigerant cooling temperature and enhance the whole system reliability.



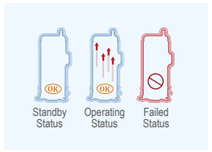
DOUBLE ROTATIVE OPERATION

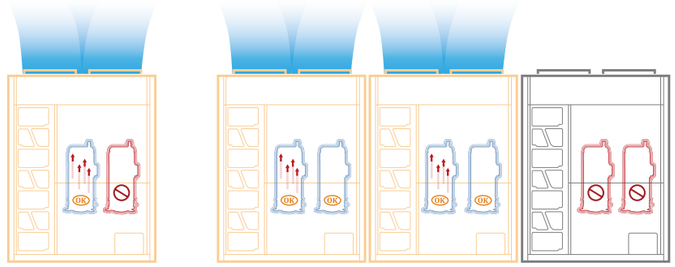
The double rotative operation technology will effectively balance the operation time between the modules and balance the time between the compressors for single module, which prevent the occurrence of individual unit overworked and hence extending the overall operating life of the overall system.



COMPRESSOR BACKUP OPERATION

In single module system, one compressor can start to operate when another fails. In module combination, one outdoor unit can start to operate when another fails. Double back-up function ensures reliability and stability of Hisense S mavo series.



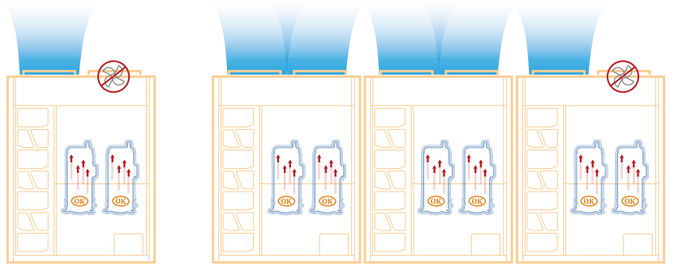


Compressor Backup

Outdoor Unit Backup

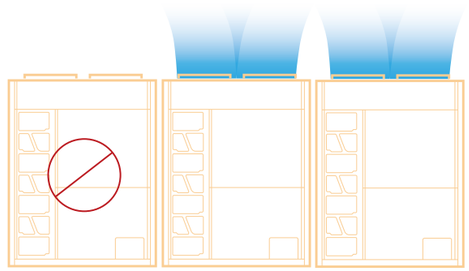
FAN BACKUP OPERATION

Hisense S mavo series can achieve that in one double-fan module when one of the fan breakdown, it will not influence the other fan and the module can work normally. In the combined double-fan modules, when one of the fan breakdown the other modules will work normally.



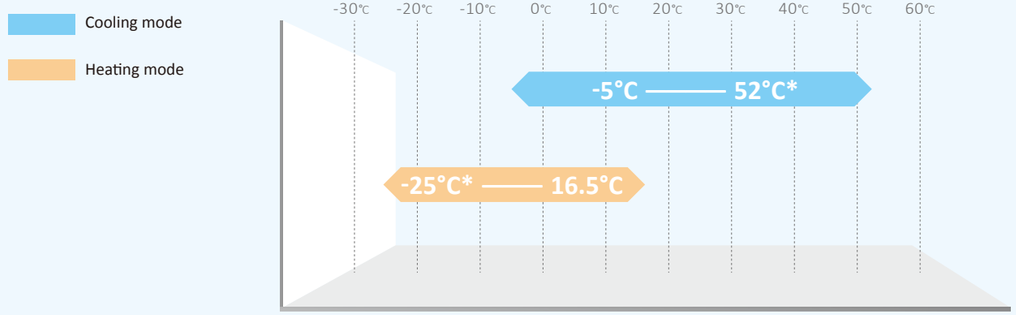
MODULE BACKUP OPERATION

Hisense S mavo series can achieve module backup operation, it means that in the combined modules, when one of the module stop working, others will work normally. Module backup operation function enhances the reliability of Hisense VRF.



WIDER OPERATION RANGE

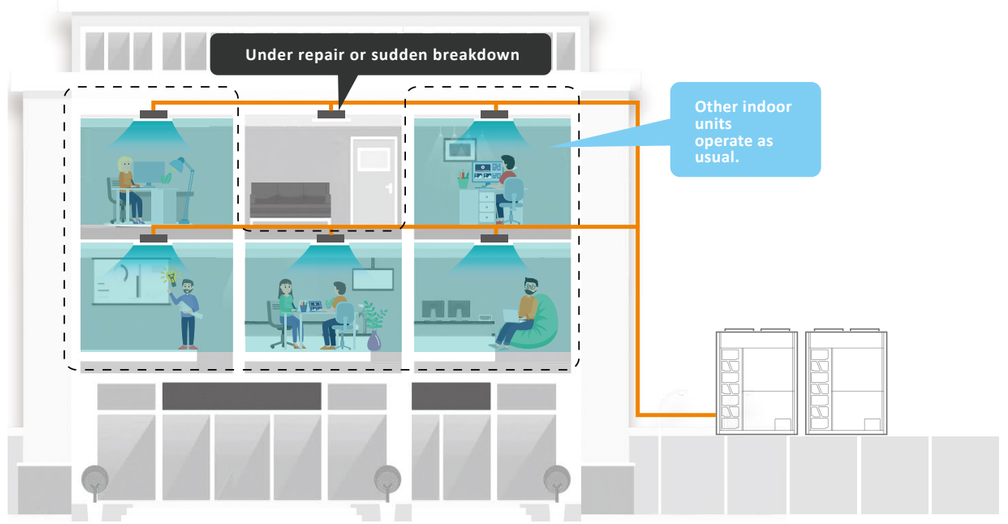
Extended operation range creates wider application potential，in cooling mode the operation range is from -5°C to 52°C and in heating mode the operation range is from -25°C to 16.5°C, which adapts to extreme conditions.



Note：When the temperature is in 48°C~52°C and -20°C~-25°C, the module is in intermittent operation.

EMERGENCY POWER-OFF WITHOUT DISTURBANCE

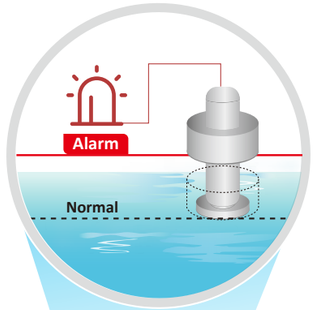
To maintain the whole system's continual operation even when there is a breakdown occur within a system , Hisense S mavo series is capable to isolate the malfunction unit from the others while conducting restoration and maintaining continuous operation of other units simultaneously.

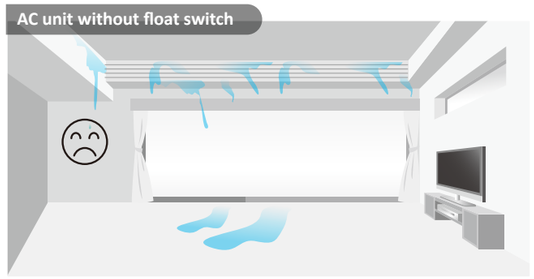


*Preliminary setting is unnecessary

CONDENSATE WATER LEAKAGE PROTECTION

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





EFFECTIVE DRAINAGE SOLUTION

Anti-corrosion Drain Pan

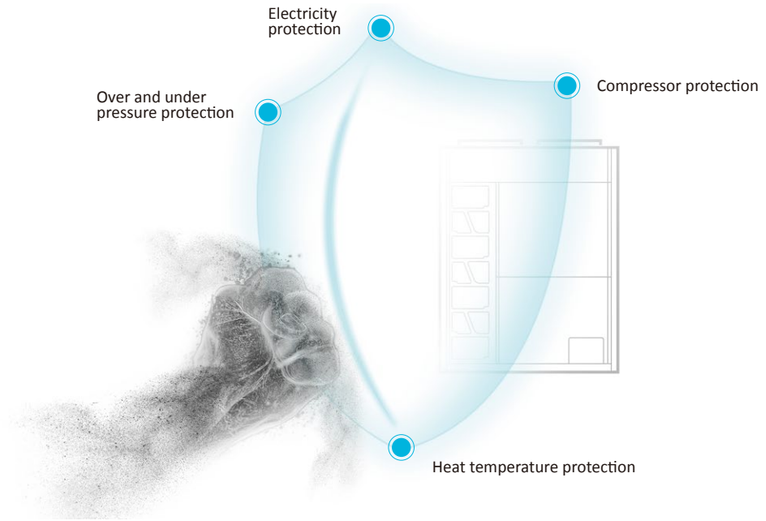
Conventional drain pans made of metal are prone to corrosion after continual exposure in moisture and air. Such also favours to mold and algae reproduction. Hisense indoor unit built-in drain pans made out of ABS coated foam are best keeping from corrosion and smooth condensate discharge, effectively prevents mold and algae growth. Not to mention, the vast improvement in thermal insulation and anti-aging properties.

Transparent Drain Pipe

To ease drainage inspection, Hisense indoor units adopt transparent drain hose connection. Enhancing installation and maintenance, making sure drain hoses are connected securely and blockage inspections are made so much easier.

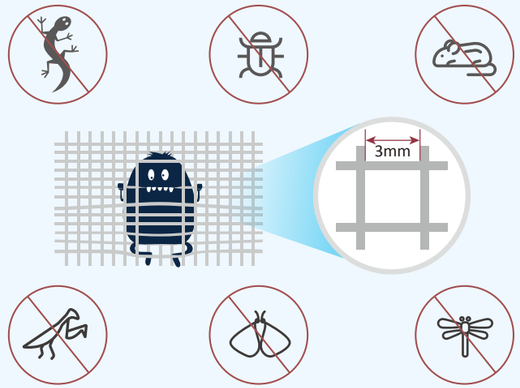
SELF-PROTECTION MEASURES

Hisense S mavo series is capable of keeping themselves protected with algorithms embedded to make necessary protective decisions and measures based on different sensor readings and parameters. Including compressor protection, heat and temperature protection, over and under pressure protection and electricity protection.



INSECT PROTECTION DESIGN

Electrical and electronic components in the electric box is protected from insects or rat invations and infestations because the gap of the inlet or outlet in the electrical box is less than 3 mm.



Hisense VRF

EFFICIENCY

- High efficiency compressor
- Stepless frequency conversion control technology
- New advanced corrugated fin design
- Two-stage subcooling
- Optimized refrigerant circuit
- Stepless fan-speed control

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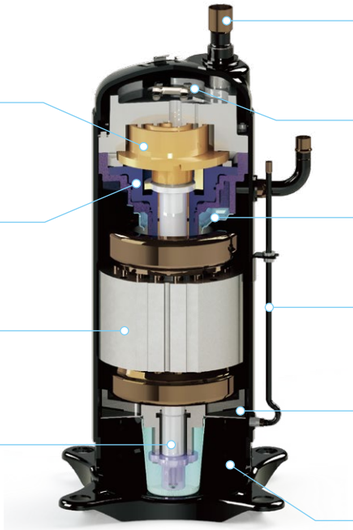
HIGH EFFICIENCY COMPRESSOR

The scroll compressor has an excellent mechanism called as FCM (Frame Compliant Mechanism) which will perfectly increase the performance of the whole compressor. The heating performance will improve because there is storage heat inside the compressor' s mass, example motor, compressor shell. The storage heat can be moved to condensing by reduce compressor' s temperature or by lower superheat to optimum temperature. All of these increase the comprehensive competitiveness of the scroll compressor.



3 **New Scroll Shape**
High efficiency by asymmetric scroll shape.

4 **Frame Compliant Mechanism**
Higher unit performance to reduce leakage loss and friction loss.

7 **High Efficiency Motor**
High efficiency by rare earth magnet and special designed motor.

9 **High Reliability Oil Supply System**
Oil supply system using pressure difference without any problem even at low speed or partial load condition.

1 **New Suction Structure**
Increase efficiency at high speed and suitable for big capacity.

2 **Relief Valve**
Increase efficiency by reducing compression loss especially at partial condition.

5 **Featured discharge system**
Higher reliability by low oil circulation rate due to built-in oil separator.

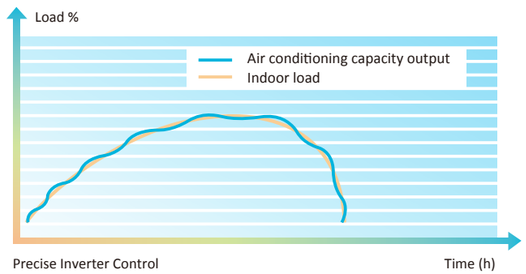
6 **Oil Equalization Mechanism**
Higher reliability by oil balance between multi.

8 **Oil Partition**
High reliability by keeping oil in the compressor by this partition.

10 **PVE Oil**
High reliability and longer life by PVE oil.

STEPLESS FREQUENCY CONVERSION CONTROL TECHNOLOGY

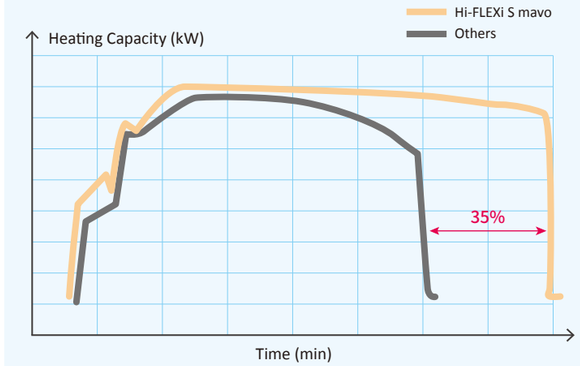
Hisense S mavo series adopts a high-precision inverter compressor with an adjustment range of 0-420Hz and the control accuracy is 0.01Hz. The operating speed of outdoor DC inverter compressor can be adjusted continuously and freely, which does not only improve user experience, but also enhances the energy efficiency of the unit.

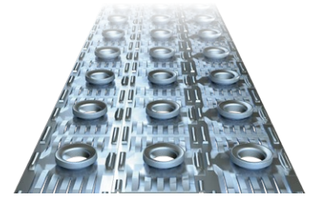


NEW ADVANCED CORRUGATED FIN DESIGN

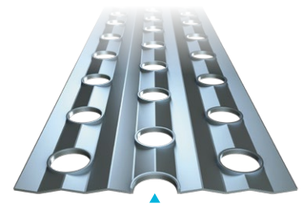
The heat exchanger of Hisense S mavo series adopt the new advanced corrugated fin design. With this new design, larger amount of fins can be allocated into the heat exchanger, increasing 20% heat exchange surface area maximally compared with the last generation fin and the heating capability increase 10% averagely.

Long-time Stable Heating Performance





Last generation fin

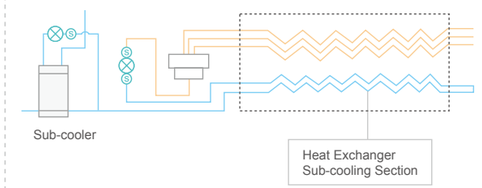


Latest corrugated fin

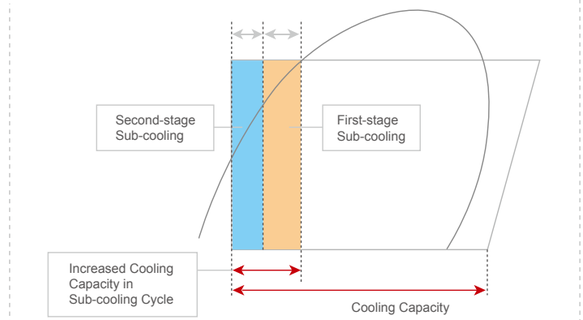
TWO-STAGE SUBCOOLING

Comparing with the conventional VRF system without subcooler, refrigerant temperature decreased 12.5°C more in system with one stage subcooler. However, Hisense S mavo series 2-stage subcooling technology cools refrigerant upto 27°C, distinctly improved cooling capacity of the system by pushing refrigerant further beyond its condensing temperature.

Two-stage Sub-cooling Cycle Diagram

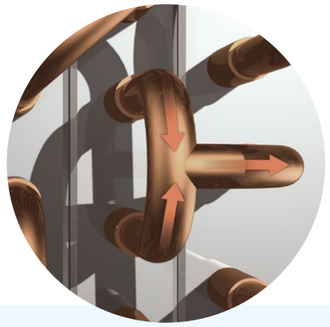


Two-stage Sub-cooling Pressure Enthalpy Diagram

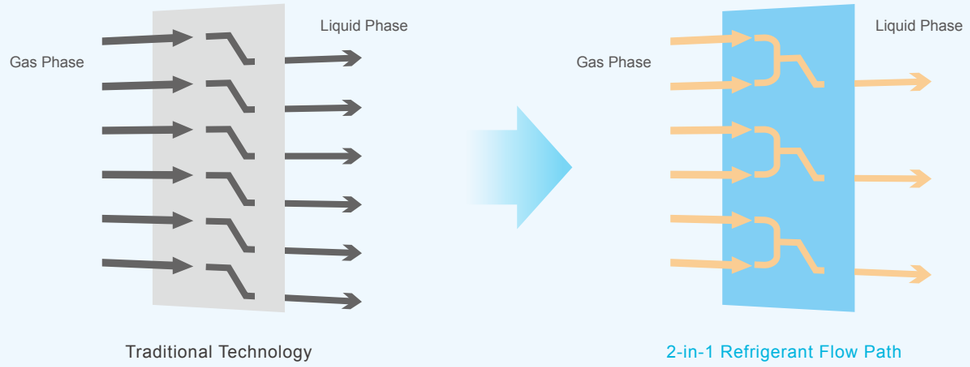


OPTIMIZED REFRIGERANT CIRCUIT

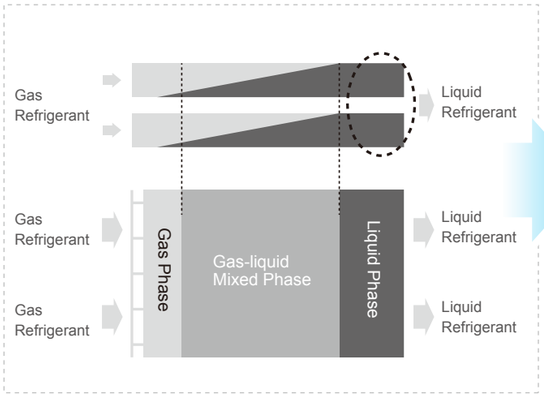
The heat-exchange efficiency is substantially increased due to the specially designed refrigerant flow structure.



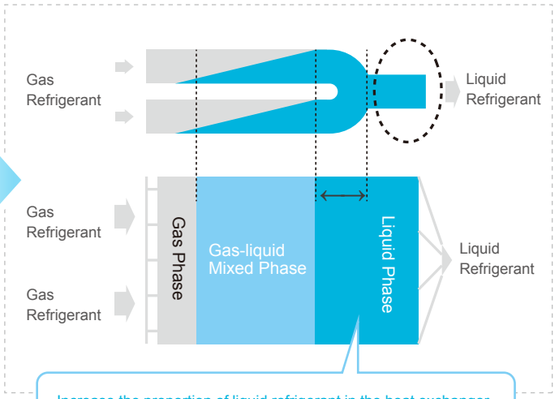
Increase the liquid refrigerant volume proportion



Traditional Refrigerant Circuit



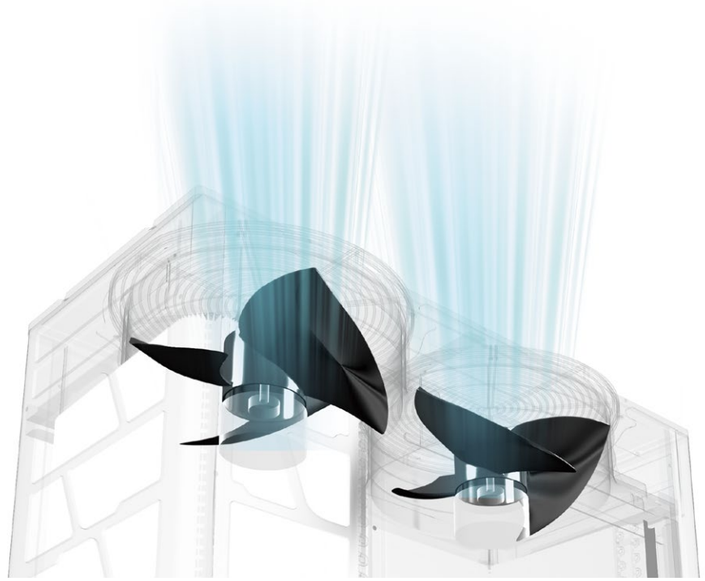
Optimized Refrigerant Circuit



Increase the proportion of liquid refrigerant in the heat exchanger to improve heat transfer efficiency

STEPLESS FAN-SPEED CONTROL

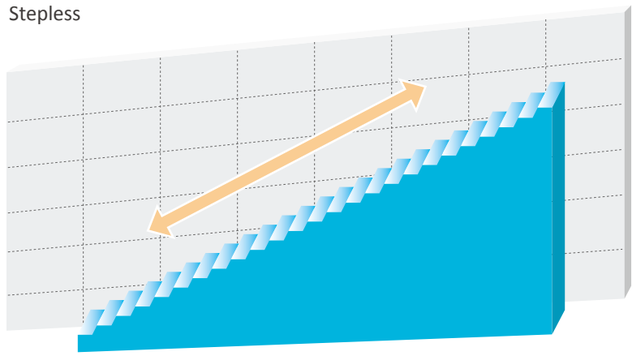
The brushless motor equipped in outdoor unit can realize stepless fan-speed adjustment to ensure system efficiency and stability. Hisense S mavo series optimize the motor support structure and improve the air duct, which increase 10% air volume at the same speed and reduce the noise.



Air Streamline Grille

Efficient Axial Fan

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.

Hisense VRF

COMFORT

- Auto refrigerant temperature control
- 90 second heating start-up
- VIP mode
- Automatic restart
- Precise temperature control
- Top class low noise design
- Night noise control
- Hi-motion sensor
- Humidity sensor
- Fresh air duct adapter

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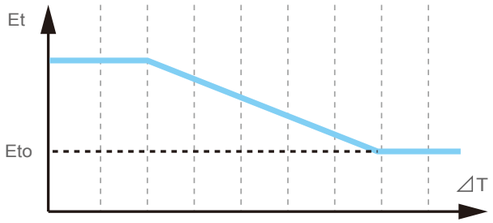
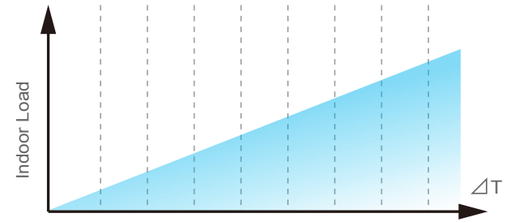
AUTO REFRIGERANT TEMPERATURE CONTROL

Hisense refrigerant temperature control can provide best comfort for users. The evaporating temperature value can be adjusted either automatically according to indoor load in a certain range or manually according to the application environment.



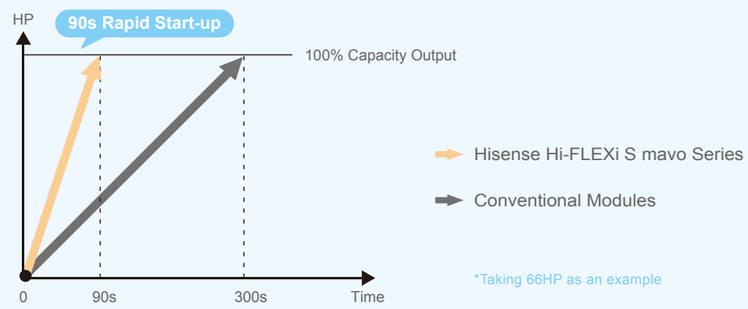


Features:

- Evaporating temperature can be adjusted between 2° C to 11° C which is the widest on the market.
- Rapidly cooling depends on the lower evaporating temperature.
- Preventing cold draft bases on the higher evaporating temperatures.
- Saving energy by increasing seasonal efficiency.

90 SECOND HEATING START-UP

Hisense S mavo series starts supplying warm air so rapidly with only just 90 seconds reaching 100% capacity output. A total of 30% improvement from conventional modules which require 300 seconds.



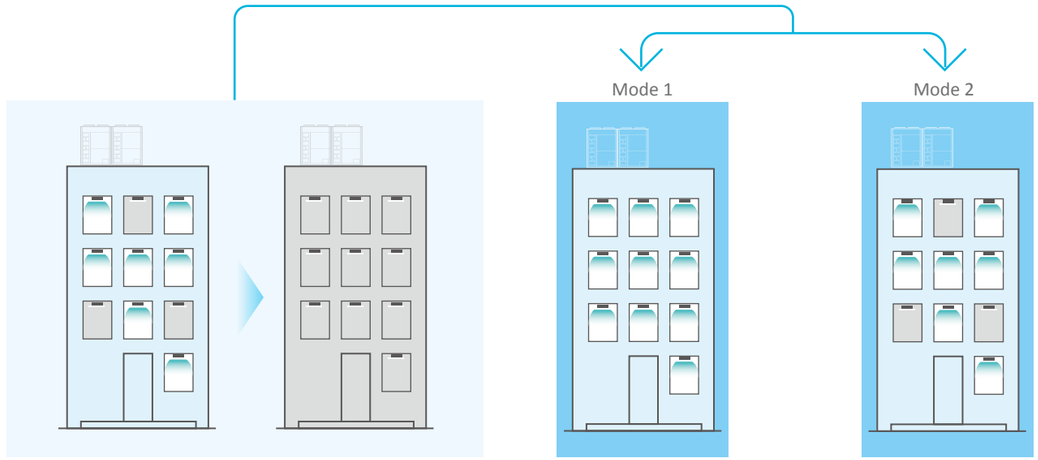
*Taking 66HP as an example

VIP MODE

Hisense S mavo series 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.

AUTOMATIC RESTART

When power resumes, the Hisense S mavo series will has two modes.
Mode 1: the AC will re-start, no matter what status the AC is before power failure.
Mode 2: the AC will return to previous setting automatically.

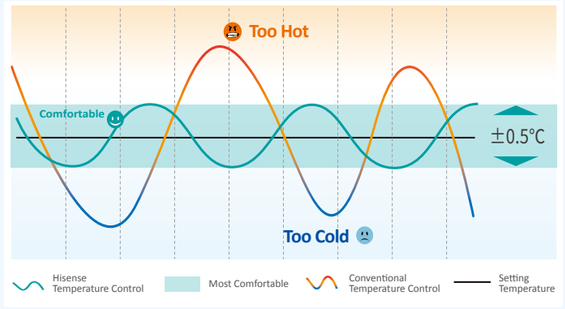


The ODU will re-start and return to default conditions.

The ODU will re-start and return to last conditions (keep memory).

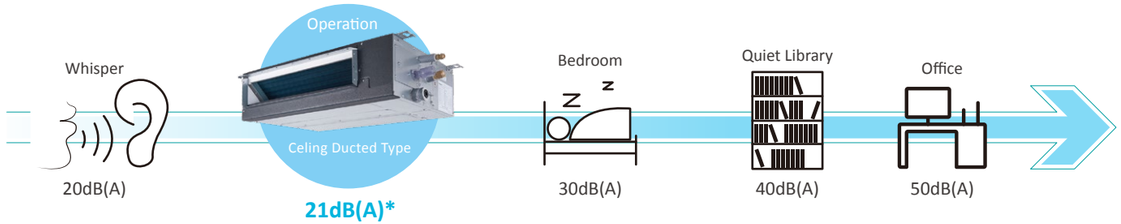
PRECISE TEMPERATURE CONTROL

Hisense S mavo series through the return air temperature sensor and controller temperature sensor to measure the indoor temperature makes the temperature of the temperature sensor more close to the indoor temperature. The refrigerant flow is regulated by the 2000 step electronic expansion valve, which not only meets the setting accuracy of indoor temperature control of ±0.5℃, but also controls the air outlet temperature in an excellent range to better satisfy the comfort.



TOP CLASS LOW NOISE DESIGN

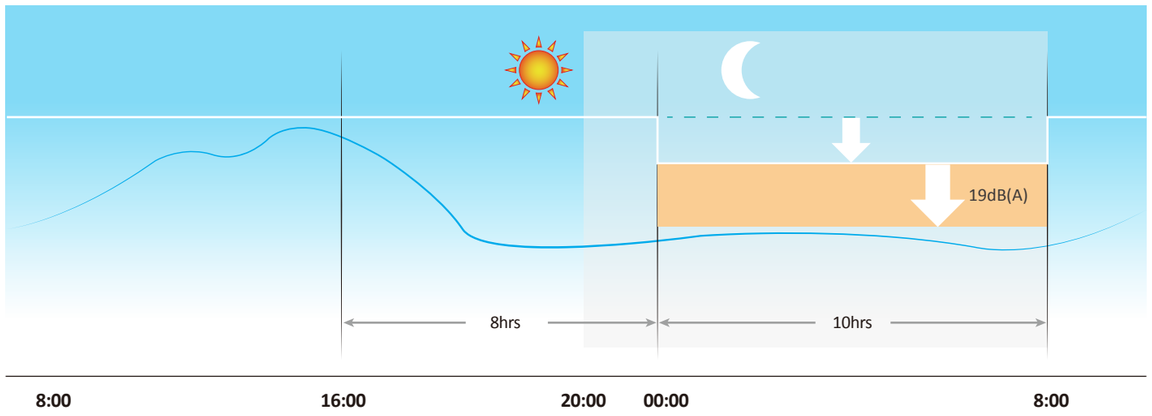
Hisense VRF offers indoor unit with sound pressure level as low as 21dB(A). Perfectly blend into library, auditorium and hospital room where require sound level lower than 25dB(A).



Note: The data was measured in an anechoic chamber, only the DC ceiling ducted type (AVE-05HJFDL) in low noise mode achieves 21dB.

NIGHT NOISE CONTROL

When outdoor condition call for special low noise requirement, night-shift function is equipped to reduce the noise by up to 19dB.

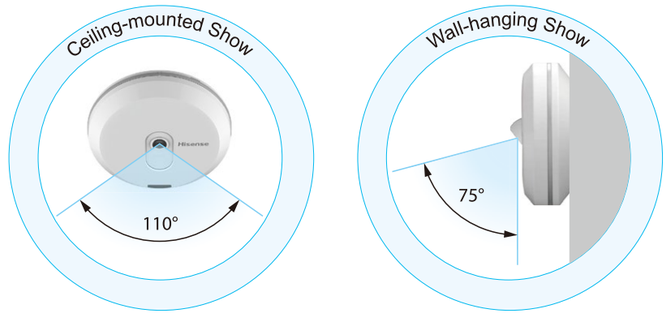


FRESH AIR DUCT ADAPTER

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

HI-MOTION SENSOR

- High Precision
  Adjust AC temperature and air flow speed precisely according to the number of users
- Wide Range
  Sense as much as 34m² with almost no blind area
- High Energy Conservation
  Turn off AC automatically when nobody is in the room



HUMIDITY SENSOR

To choose humidity sensor installed in the IDU and match the appropriate controller, it is more comfortable to adjust humidity of room and achieve dehumidification function. The humidity sensor has more precise to control the humidity that can effectively inhibit the growth of bacteria and create a comfortable or healthy environment.

Hisense VRF

FLEXIBILITY

- Compact making transportation and installation easier
- Adaptive fan static pressure technology
- One-touch recycle refrigerant
- One-touch test run
- Without oil balance pipe
- Automatic addressing
- Extra long pipe design
- Separated mechanical and electrical segments

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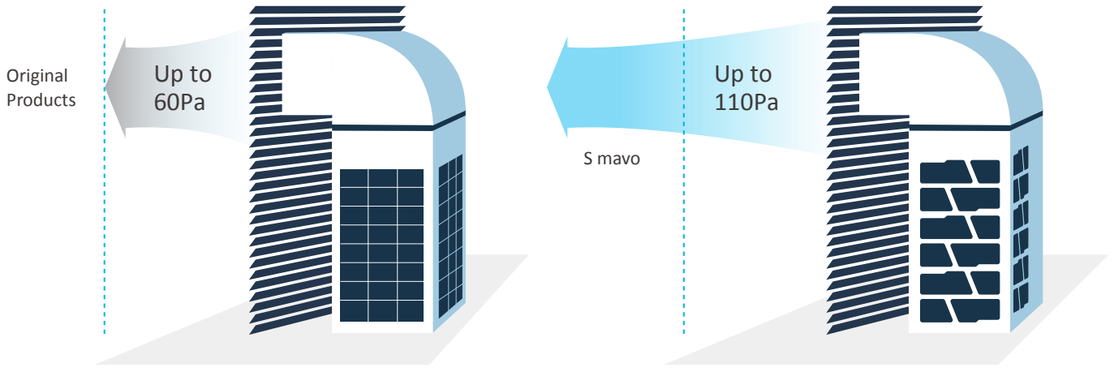
COMPACT MAKING TRANSPORTATION AND INSTALLATION EASIER

With larger capacity per unit, Hisense S mavo series is 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 elevator.

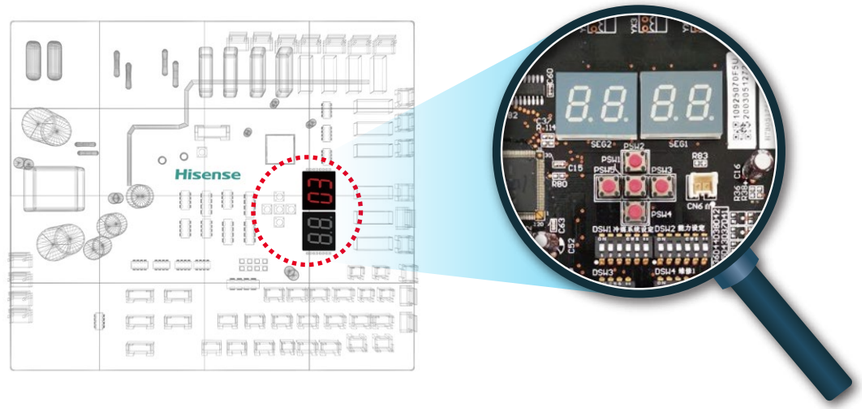
ADAPTIVE FAN STATIC PRESSURE TECHNOLOGY

External static pressure is essential to determine the air discharge and duct connection distance. Hisense S mavo series external static pressure is reachable upto 110Pa compare to the conventional 60Pa, allowing longer ducting connection for better air discharge when are installed indoors.



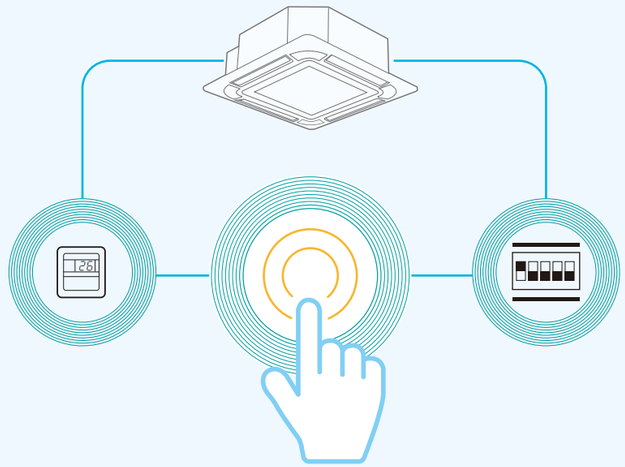
ONE-TOUCH RECYCLE REFRIGERANT

Hisense S mavo series has one-touch recycle refrigerant function through the PCB on the outdoor unit to control. This function will be used when changing the indoor units, when changing the compressor in one module and when changing the compressor in combined modules. According to the display of PCB to operate, PCB will display the low pressure and time through these to judge the refrigerant recovery result.



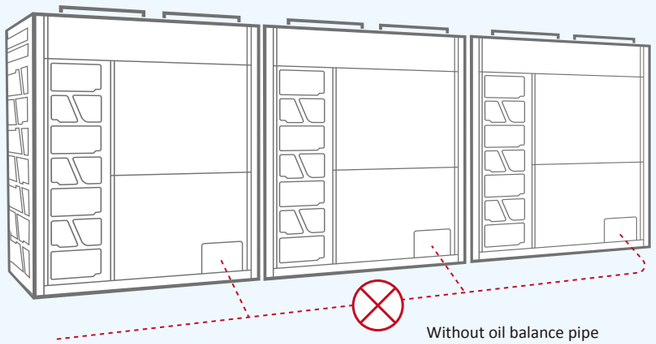
ONE-TOUCH TEST RUN

To make test run as simple as possible, Hisense S mavo series is capable to conduct test run with just a button away wherever installers are and test run function is applicable for both outdoor and indoor unit.



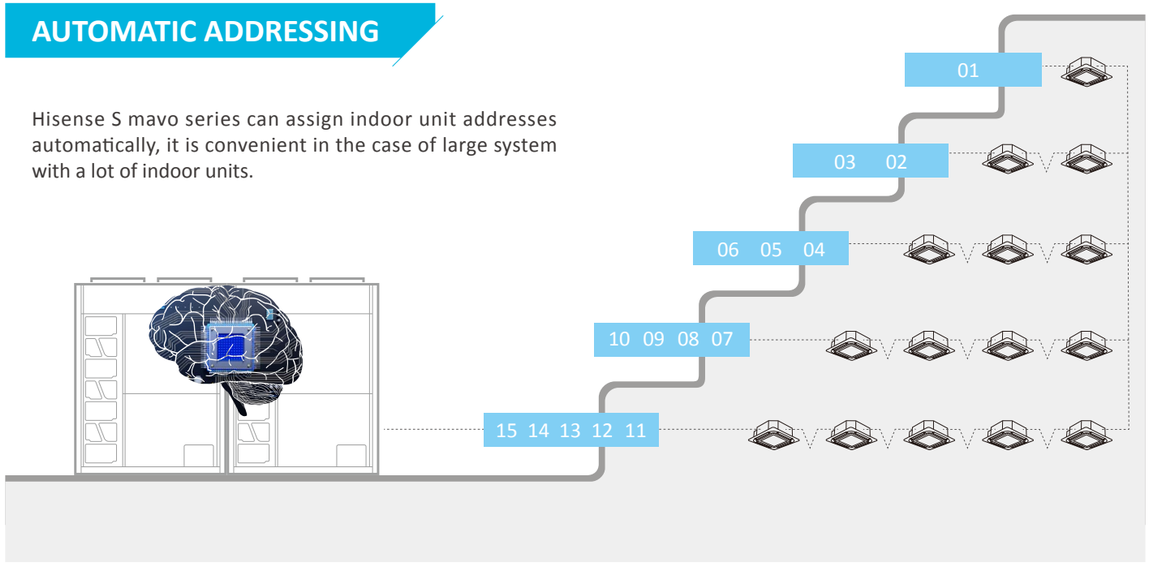
WITHOUT OIL BALANCE PIPE

With effective and prominent oil return technology, perfect oil balance is achieved by the integration of the pore tube technology in the accumulator. It serves as an oil storage tank and supplies the perfect amount at the perfect time to the compressor. The absence of oil balancing piping system will prevent system pressure and temperature fluctuation thus maintaining overall system's continuous stability.



AUTOMATIC ADDRESSING

Hisense S mavo series can assign indoor unit addresses automatically, it is convenient in the case of large system with a lot of indoor units.



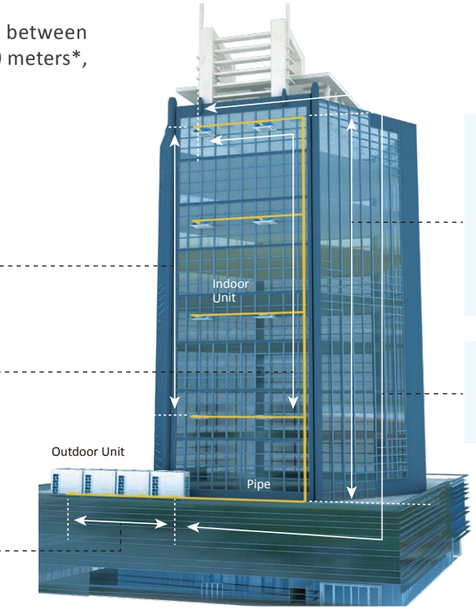
EXTRA LONG PIPE DESIGN

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

Maximum height difference of indoor units: 30m

Maximum length from the first branch pipe to the farthest indoor unit: 90m

Largest pipe length between outdoor units: 10m



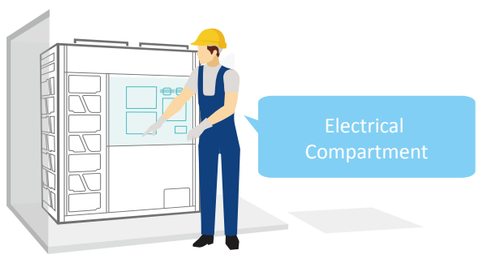
Maximum height difference between indoor and outdoor units:
when the outdoor unit is above: 50m (90m*)
when the outdoor unit is below: 40m (90m*)

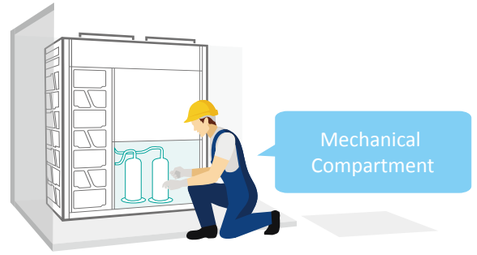
Maximum length of a single pipe: 165m
Total length of pipes: 1000m

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

SEPARATED MECHANICAL AND ELECTRICAL COMPARTMENT

Hisense S mavo series divides the electrical and mechanical rooms. Engineers are free to take the panels apart to check and maintain every details separately. All designs provide the convenience for installation and maintenance.





Hisense VRF

OUTDOOR UNIT SPECIFICATION

- AVWT-76HKFSE
  AVWT-96HKFSE
  AVWT-114HKFSE
- AVWT-136HKFSE
  AVWT-154HKFSE
  AVWT-170HKFSE
- AVWT-190HKFSE
  AVWT-212HKFSE
  AVWT-232HKFSE
- AVWT-250HKFSE
  AVWT-272HKFSE

Smavo

OUTDOOR UNIT SPECIFICATIONS

Capacity			8HP	10HP	12HP	14HP
Model			AVWT-76HKFSE	AVWT-96HKFSE	AVWT-114HKFSE	AVWT-136HKFSE
Conbination			AVWT-76HKFSE	AVWT-96HKFSE	AVWT-114HKFSE	AVWT-136HKFSE
			/	/	/	/
			/	/	/	/
			/	/	/	/
Power Supply			AC 3Φ,380-415V/50/60Hz			
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	4.81	6.64	8.00	10.39
	EER	kW/kW	4.66	4.22	4.19	3.85
Heating Operation	Capacity	kW	25.0	31.5	37.5	45.0
		kBtu/h	85.3	107.5	128	153.5
	Power Consumption	kW	5.15	6.82	8.54	10.90
	COP	kW/kW	4.85	4.62	4.39	4.13
Sound Pressure Level*1		dB(A)	59	61	61	62
Cabinet Color*2		—	Grayish White			
Outer Dimensions	Height	mm	1730	1730	1730	1730
	Width	mm	950	950	950	1210
	Depth	mm	750	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930	1930
	Width	mm	1015	1015	1015	1275
	Depth	mm	790	790	790	790
Weight	Net Weight	kg	218	220	222	270
	Gross Weight	kg	247	249	251	304
Compressor	Type	—	Scroll Compressor			
	Compressor Quantity	—	1	1	1	1
Refrigerant	Refrigerant Charge Before Shipment	kg	5.3	5.3	6.2	8.0
	Gas Pipe	mm	Φ19.05	Φ22.20	Φ25.40	Φ25.40
	Liquid Pipe	mm	Φ9.53	Φ9.53	Φ12.70	Φ12.70
Ventilation	Fan Quantity	—	1	1	1	2
	Air Flow Rate	m³/min	183	183	183	200
Operating Range*3	Cooling	℃	-5-52			
	Heating	℃	-25-16.5			
Connectable Indoor Units	Quantity	PC	13	16	19	23
Piping Design	ODUs is Higher Than IDUs	m	50(90*4)	50(90*4)	50(90*4)	50(90*4)
	ODUs is Lower Than IDUs	m	40(90*4)	40(90*4)	40(90*4)	40(90*4)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Total Piping Length	m	1000	1000	1000	1000

NOTES:

Rated cooling capacity is 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 diference: 0m
Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height diference: 0m

OUTDOOR UNIT SPECIFICATIONS

Capacity			16HP	18HP	20HP	22HP
Model			AVWT-154HKFSE	AVWT-170HKFSE	AVWT-190HKFSE	AVWT-212HKFSE
Conbination			AVWT-154HKFSE	AVWT-170HKFSE	AVWT-190HKFSE	AVWT-212HKFSE
			/	/	/	/
			/	/	/	/
			/	/	/	/
Power Supply			AC 3Φ,380-415V/50/60Hz			
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	12.33	14.12	15.47	17.93
	EER	kW/kW	3.65	3.54	3.62	3.43
Heating Operation	Capacity	kW	50.0	56.0	63.0	69.0
		kBtu/h	170.6	191.1	215	235.4
	Power Consumption	kW	12.25	14.89	16.45	18.80
	COP	kW/kW	4.08	3.76	3.83	3.67
Sound Pressure Level*1		dB(A)	62	63	63	64
Cabinet Color*2		—	Grayish White			
Outer Dimensions	Height	mm	1730	1730	1730	1730
	Width	mm	1210	1210	1350	1350
	Depth	mm	750	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930	1930
	Width	mm	1275	1275	1420	1420
	Depth	mm	790	790	790	790
Weight	Net Weight	kg	271	293	363	364
	Gross Weight	kg	305	327	401	402
Compressor	Type	—	Scroll Compressor			
	Compressor Quantity	—	1	1	2	2
Refrigerant	Refrigerant Charge Before Shipment	kg	8.0	11.1	11.8	12.7
	Gas Pipe	mm	Φ28.60	Φ28.60	Φ28.60	Φ28.60
	Liquid Pipe	mm	Φ12.70	Φ15.88	Φ15.88	Φ15.88
Ventilation	Fan Quantity	—	2	2	2	2
	Air Flow Rate	m³/min	200	200	267	296
Operating Range*3	Cooling	℃	-5-52			
	Heating	℃	-25-16.5			
Connectable Indoor Units	Quantity	PC	26	29	33	36
Piping Design	ODUs is Higher Than IDUs	m	50(90*4)	50(90*4)	50(90*4)	50(90*4)
	ODUs is Lower Than IDUs	m	40(90*4)	40(90*4)	40(90*4)	40(90*4)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Total Piping Length	m	1000	1000	1000	1000

1. The above noise values are measured in the anechoic chamber without refiected echo, therefore the impact of the reflected echo must be included at the scene.
   Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
2. The final appearance of outdoor units is subject to the actual products.
3. When the operation temperature is under 48°C~ 52°C or -25°C~-20°C please contact our professional engineer.
4. For height difference between ODU&IDU more than 50(40)m,please contact our professional engineer.

OUTDOOR UNIT SPECIFICATIONS

Capacity			24HP	26HP	28HP
Model			AVWT-232HKFSE	AVWT-250HKFSE	AVWT-272HKFSE
Conbination			AVWT-232HKFSE	AVWT-250HKFSE	AVWT-272HKFSE
			/	/	/
			/	/	/
			/	/	/
Power Supply			AC 3Φ,380-415V/50/60Hz		
Cooling Operation	Nominal Capacity	kW	68.0	72.5	80.0
		kBtu/h	232.1	246.5	272
	Power Consumption	kW	20.00	20.95	24.24
	EER	kW/kW	3.40	3.46	3.30
Heating Operation	Capacity	kW	75.0	80.0	90.0
		kBtu/h	255	272	306
	Power Consumption	kW	20.83	22.10	25.71
	COP	kW/kW	3.60	3.62	3.50
Sound Pressure Level*1		dB(A)	65	66	67
Cabinet Color*2		—	Grayish White		
Outer Dimensions	Height	mm	1730	1730	1730
	Width	mm	1350	1600	1600
	Depth	mm	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930
	Width	mm	1420	1665	1665
	Depth	mm	790	790	790
Weight	Net Weight	kg	365	389	390
	Gross Weight	kg	403	433	434
Compressor	Type	—	Scroll Compressor		
	Compressor Quantity	—	2	2	2
Refrigerant	Refrigerant Charge Before Shipment	kg	12.7	13.5	13.5
	Gas Pipe	mm	Φ28.60	Φ31.75	Φ31.75
	Liquid Pipe	mm	Φ15.88	Φ19.05	Φ19.05
Ventilation	Fan Quantity	—	2	2	2
	Air Flow Rate	m³/min	296	350	350
Operating Range*3	Cooling	℃	-5-52		
	Heating	℃	-25-16.5		
Connectable Indoor Units	Quantity	PC	40	43	47
Piping Design	ODUs is Higher Than IDUs	m	50(90*4)	50(90*4)	50(90*4)
	ODUs is Lower Than IDUs	m	40(90*4)	40(90*4)	40(90*4)
	Height Difference Between IDUs	m	30	30	30
	Max. Total Piping Length	m	1000t	1000	1000

NOTES:

Rated cooling capacity is 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 diference: 0m
Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height diference: 0m

OUTDOOR UNIT SPECIFICATIONS

Capacity			30HP	32HP	34HP	36HP
Model			AVWT-290HKFSE	AVWT-308HKFSE	AVWT-324HKFSE	AVWT-340HKFSE
Conbination			AVWT-136HKFSE	AVWT-154HKFSE	AVWT-154HKFSE	AVWT-170HKFSE
			AVWT-154HKFSE	AVWT-154HKFSE	AVWT-170HKFSE	AVWT-170HKFSE
			/	/	/	/
			/	/	/	/
Power Supply			AC 3Φ,380-415V/50/60Hz			
Cooling Operation	Nominal Capacity	kW	85.0	90.0	95.0	100.0
		kBtu/h	290	307	324.1	341.2
	Power Consumption	kW	22.72	24.66	26.45	28.24
	EER	kW/kW	3.74	3.65	3.59	3.54
Heating Operation	Capacity	kW	95.0	100.0	106.0	112.0
		kBtu/h	324.1	341.2	361.7	382.2
	Power Consumption	kW	23.15	24.50	27.14	29.78
	COP	kW/kW	4.10	4.08	3.91	3.76
Sound Pressure Level*1		dB(A)	65	65	66	66
Cabinet Color*2		—	Grayish White			
Outer Dimensions	Height	mm	1730	1730	1730	1730
	Width	mm	1210+1210	1210+1210	1210+1210	1210+1210
	Depth	mm	750	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930	1930
	Width	mm	1275+1275	1275+1275	1275+1275	1275+1275
	Depth	mm	790	790	790	790
Weight	Net Weight	kg	270+271	271+271	271+293	293+293
	Gross Weight	kg	304+305	305+305	305+327	327+327
Compressor	Type	—	Scroll Compressor			
	Compressor Quantity	—	2	2	2	2
Refrigerant	Refrigerant Charge Before Shipment	kg	8+8	8+8	8+11.1	11.1+11.1
	Gas Pipe	mm	Φ31.75	Φ31.75	Φ38.1	Φ38.1
	Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
Ventilation	Fan Quantity	—	4	4	4	4
	Air Flow Rate	m³/min	400	400	400	400
Operating Range*3	Cooling	℃	-5-52			
	Heating	℃	-25-16.5			
Connectable Indoor Units	Quantity	PC	49	52	55	59
Piping Design	ODUs is Higher Than IDUs	m	50(90*4)	50(90*4)	50(90*4)	50(90*4)
	ODUs is Lower Than IDUs	m	40(90*4)	40(90*4)	40(90*4)	40(90*4)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Total Piping Length	m	1000	1000	1000	1000

1. 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.
   Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
2. The final appearance of outdoor units is subject to the actual products.
3. When the operation temperature is under 48℃~ 52℃ or -25℃~-20℃ please contact our professional engineer.
4. For height difference between ODU&IDU more than 50(40)m,please contact our professional engineer.

OUTDOOR UNIT SPECIFICATIONS

Capacity			38HP	40HP	42HP	44HP	46HP
Model			AVWT-360HKFSE	AVWT-382HKFSE	AVWT-402HKFSE	AVWT-422HKFSE	AVWT-444HKFSE
Conbination			AVWT-170HKFSE	AVWT-170HKFSE	AVWT-170HKFSE	AVWT-190HKFSE	AVWT-212HKFSE
			AVWT-190HKFSE	AVWT-212HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE
			/	/	/	/	/
			/	/	/	/	/
Power Supply			AC 3Φ,380-415V/50/60Hz				
Cooling Operation	Nominal Capacity	kW	106.0	111.5	118.0	124.0	129.5
		kBtu/h	361.7	380.4	402.7	423.2	441.9
	Power Consumption	kW	29.59	32.05	34.12	35.47	37.93
	EER	kW/kW	3.58	3.48	3.46	3.50	3.41
Heating Operation	Capacity	kW	119.0	125.0	131.0	138.0	144.0
		kBtu/h	406.1	426.5	446.1	470	490.4
	Power Consumption	kW	31.34	33.69	35.72	37.28	39.63
	COP	kW/kW	3.80	3.71	3.67	3.70	3.63
Sound Pressure Level*1		dB(A)	66	67	67	67	68
Cabinet Color*2		—	Grayish White				
Outer Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	1210+1350	1210+1350	1210+1350	1350+1350	1350+1350
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930	1930	1930
	Width	mm	1275+1420	1275+1420	1275+1420	1420+1420	1420+1420
	Depth	mm	790	790	790	790	790
Weight	Net Weight	kg	293+363	293+364	293+365	363+365	364+365
	Gross Weight	kg	327+401	327+402	327+403	401+403	402+403
Compressor	Type	—	Scroll Compressor				
	Compressor Quantity	—	3	3	3	4	4
Refrigerant	Refrigerant Charge Before Shipment	kg	11.1+11.8	11.1+12.7	11.1+12.7	11.8+12.7	12.7+12.7
	Gas Pipe	mm	Φ38.1	Φ38.1	Φ38.1	Φ38.1	Φ41.3
	Liquid Pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.2
Ventilation	Fan Quantity	—	4	4	4	4	4
	Air Flow Rate	m³/min	467	496	496	563	592
Operating Range*3	Cooling	℃	-5-52				
	Heating	℃	-25-16.5				
Connectable Indoor Units	Quantity	PC	62	64	64	64	64
Piping Design	ODUs is Higher Than IDUs	m	50(90*4)	50(90*4)	50(90*4)	50(90*4)	50(90*4)
	ODUs is Lower Than IDUs	m	40(90*4)	40(90*4)	40(90*4)	40(90*4)	40(90*4)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Total Piping Length	m	1000	1000	1000	1000	1000

NOTES:

Rated cooling capacity is 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 diference: 0m
Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height diference: 0m

OUTDOOR UNIT SPECIFICATIONS

Capacity			48HP	50HP	52HP	54HP	56HP
Model			AVWT-464HKFSE	AVWT-482HKFSE	AVWT-504HKFSE	AVWT-522HKFSE	AVWT-544HKFSE
Conbination			AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-250HKFSE	AVWT-272HKFSE
			AVWT-232HKFSE	AVWT-250HKFSE	AVWT-272HKFSE	AVWT-272HKFSE	AVWT-272HKFSE
			/	/	/	/	/
			/	/	/	/	/
Power Supply			AC 3Φ,380-415V/50/60Hz				
Cooling Operation	Nominal Capacity	kW	136.0	140.5	148.0	152.5	160.0
		kBtu/h	464.2	478.6	504.1	518.5	544
	Power Consumption	kW	40.00	40.95	44.24	45.19	48.48
	EER	kW/kW	3.40	3.43	3.35	3.37	3.30
Heating Operation	Capacity	kW	150.0	155.0	165.0	170.0	180.0
		kBtu/h	510	527	561	578	612
	Power Consumption	kW	41.66	42.93	46.54	47.81	51.42
	COP	kW/kW	3.60	3.61	3.55	3.56	3.50
Sound Pressure Level*1		dB(A)	68	69	69	70	70
Cabinet Color*2		—	Grayish White				
Outer Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	1350+1350	1350+1600	1350+1600	1600+1600	1600+1600
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930	1930	1930
	Width	mm	1420+1420	1420+1665	1420+1665	1665+1665	1665+1665
	Depth	mm	790	790	790	790	790
Weight	Net Weight	kg	365+365	365+389	365+390	389+390	390+390
	Gross Weight	kg	403+403	403+433	403+434	433+434	434+434
Compressor	Type	—	Scroll Compressor				
	Compressor Quantity	—	4	4	4	4	4
Refrigerant	Refrigerant Charge Before Shipment	kg	12.7+12.7	12.7+13.5	12.7+13.5	13.5+13.5	13.5+13.5
	Gas Pipe	mm	Φ41.3	Φ41.3	Φ41.3	Φ41.3	Φ41.3
	Liquid Pipe	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2	Φ22.2
Ventilation	Fan Quantity	—	4	4	4	4	4
	Air Flow Rate	m³/min	592	646	646	700	700
Operating Range*3	Cooling	℃	-5-52				
	Heating	℃	-25-16.5				
Connectable Indoor Units	Quantity	PC	64	64	64	64	64
Piping Design	ODUs is Higher Than IDUs	m	50(90*4)	50(90*4)	50(90*4)	50(90*4)	50(90*4)
	ODUs is Lower Than IDUs	m	40(90*4)	40(90*4)	40(90*4)	40(90*4)	40(90*4)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Total Piping Length	m	1000t	1000t	1000	1000	1000

1. The above noise values are measured in the anechoic chamber without refiected echo, therefore the impact of the reflected echo must be included at the scene.
   Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
2. The final appearance of outdoor units is subject to the actual products.
3. When the operation temperature is under 48℃~ 52℃ or -25℃~-20℃ please contact our professional engineer.
4. For height difference between ODU&IDU more than 50(40)m,please contact our professional engineer.

OUTDOOR UNIT SPECIFICATIONS

Capacity			58HP	60HP	62HP	64HP
Model			AVWT-552HKFSE	AVWT-572HKFSE	AVWT-592HKFSE	AVWT-614HKFSE
Conbination			AVWT-170HKFSE	AVWT-170HKFSE	AVWT-170HKFSE	AVWT-170HKFSE
			AVWT-170HKFSE	AVWT-170HKFSE	AVWT-190HKFSE	AVWT-212HKFSE
			AVWT-212HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE
			/	/	/	/
Power Supply			AC 3Φ,380-415V/50/60Hz			
Cooling Operation	Nominal Capacity	kW	161.5	168.0	174.0	179.5
		kBtu/h	551	573.3	593.8	612.5
	Power Consumption	kW	46.17	48.24	49.59	52.05
	EER	kW/kW	3.50	3.48	3.51	3.45
Heating Operation	Capacity	kW	181.0	187.0	194.0	200.0
		kBtu/h	617.6	637.2	661.1	681.5
	Power Consumption	kW	48.58	50.61	52.17	54.52
	COP	kW/kW	3.73	3.69	3.72	3.67
Sound Pressure Level*[1]		dB(A)	68	69	69	69
Cabinet Color*[2]		—	Grayish White			
Outer Dimensions	Height	mm	1730	1730	1730	1730
	Width	mm	1210+1210+1350	1210+1210+1350	1210+1350+1350	1210+1350+1350
	Depth	mm	750	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930	1930
	Width	mm	1275+1275+1420	1275+1275+1420	1275+1420+1420	1275+1420+1420
	Depth	mm	790	790	790	790
Weight	Net Weight	kg	293+293+364	293+293+365	293+363+365	293+364+365
	Gross Weight	kg	327+327+402	327+327+403	327+401+403	327+402+403
Compressor	Type	—	Scroll Compressor			
	Compressor Quantity	—	4	4	5	5
Refrigerant	Refrigerant Charge Before Shipment	kg	11.1+11.1+12.7	11.1+11.1+12.7	11.1+11.8+12.7	11.1+12.7+12.7
	Gas Pipe	mm	Φ44.5	Φ44.5	Φ44.5	Φ44.5
	Liquid Pipe	mm	Φ22.2	Φ22.2	Φ22.2	Φ22.2
Ventilation	Fan Quantity	—	6	6	6	6
	Air Flow Rate	m³/min	696	696	763	792
Operating Range*[3]	Cooling	℃	-5-52			
	Heating	℃	-25-16.5			
Connectable Indoor Units	Quantity	PC	64	64	64	64
Piping Design	ODUs is Higher Than IDUs	m	50(90*[4])	50(90*[4])	50(90*[4])	50(90*[4])
	ODUs is Lower Than IDUs	m	40(90*[4])	40(90*[4])	40(90*[4])	40(90*[4])
	Height Difference Between IDUs	m	30	30	30	30
	Max. Total Piping Length	m	1000	1000	1000	1000

NOTES:

Rated cooling capacity is 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 diference: 0m
Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height diference: 0m

OUTDOOR UNIT SPECIFICATIONS

Capacity			66HP	68HP	70HP	72HP	74HP
Model			AVWT-634HKFSE	AVWT-654HKFSE	AVWT-676HKFSE	AVWT-696HKFSE	AVWT-714HKFSE
Conbination			AVWT-170HKFSE	AVWT-190HKFSE	AVWT-212HKFSE	AVWT-232HKFSE	AVWT-232HKFSE
			AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE
			AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-250HKFSE
			/	/	/	/	/
Power Supply			AC 3Φ,380-415V/50/60Hz				
Cooling Operation	Nominal Capacity	kW	186.0	192.0	197.5	204.0	208.5
		kBtu/h	634.8	655.3	674	696.3	710.7
	Power Consumption	kW	54.12	55.47	57.93	60.00	60.95
	EER	kW/kW	3.44	3.46	3.41	3.40	3.42
Heating Operation	Capacity	kW	206.0	213.0	219.0	225.0	230.0
		kBtu/h	701.1	725	745.4	765	782
	Power Consumption	kW	56.55	58.11	60.46	62.49	63.76
	COP	kW/kW	3.64	3.67	3.62	3.60	3.61
Sound Pressure Level*[1]		dB(A)	69	69	69	70	70
Cabinet Color*[2]		—	Grayish White				
Outer Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	1210+1350+1350	1350+1350+1350	1350+1350+1350	1350+1350+1350	1350+1350+1600
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930	1930	1930
	Width	mm	1275+1420+1420	1420+1420+1420	1420+1420+1420	1420+1420+1420	1420+1420+1665
	Depth	mm	790	790	790	790	790
Weight	Net Weight	kg	293+365+365	363+365+365	364+365+365	365+365+365	365+365+389
	Gross Weight	kg	327+403+403	401+403+403	402+403+403	403+403+403	403+403+433
Compressor	Type	—	Scroll Compressor				
	Compressor Quantity	—	5	6	6	6	6
Refrigerant	Refrigerant Charge Before Shipment	kg	11.1+12.7+12.7	11.8+12.7+12.7	12.7+12.7+12.7	12.7+12.7+12.7	12.7+12.7+13.5
	Gas Pipe	mm	Φ44.5	Φ50.8	Φ50.8	Φ50.8	Φ50.8
	Liquid Pipe	mm	Φ22.2	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Ventilation	Fan Quantity	—	6	6	6	6	6
	Air Flow Rate	m³/min	792	859	888	888	942
Operating Range*[3]	Cooling	℃	-5-52				
	Heating	℃	-25-16.5				
Connectable Indoor Units	Quantity	PC	64	64	64	64	64
Piping Design	ODUs is Higher Than IDUs	m	50(90*[4])	50(90*[4])	50(90*[4])	50(90*[4])	50(90*[4])
	ODUs is Lower Than IDUs	m	40(90*[4])	40(90*[4])	40(90*[4])	40(90*[4])	40(90*[4])
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Total Piping Length	m	1000	1000	1000	1000	1000

1. The above noise values are measured in the anechoic chamber without refiected echo, therefore the impact of the reflected echo must be included at the scene.
   Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
2. The final appearance of outdoor units is subject to the actual products.
3. When the operation temperature is under 48℃~ 52℃ or -25℃~-20℃ please contact our professional engineer.
4. For height difference between ODU&IDU more than 50(40)m,please contact our professional engineer.

OUTDOOR UNIT SPECIFICATIONS

Capacity			76HP	78HP	80HP	82HP	84HP
Model			AVWT-732HKFSE	AVWT-754HKFSE	AVWT-776HKFSE	AVWT-794HKFSE	AVWT-816HKFSE
Conbination			AVWT-232HKFSE	AVWT-232HKFSE	AVWT-272HKFSE	AVWT-272HKFSE	AVWT-272HKFSE
			AVWT-250HKFSE	AVWT-250HKFSE	AVWT-272HKFSE	AVWT-272HKFSE	AVWT-272HKFSE
			AVWT-250HKFSE	AVWT-272HKFSE	AVWT-232HKFSE	AVWT-250HKFSE	AVWT-272HKFSE
			/	/	/	/	/
Power Supply			AC 3Φ,380-415V/50/60Hz				
Cooling Operation	Nominal Capacity	kW	213.0	220.5	228.0	232.5	240.0
		kBtu/h	725.1	750.6	776.1	790.5	816
	Power Consumption	kW	61.90	65.19	68.48	69.43	72.72
	EER	kW/kW	3.44	3.38	3.33	3.35	3.30
Heating Operation	Capacity	kW	235.0	245.0	255.0	260.0	270.0
		kBtu/h	799	833	867	884	918
	Power Consumption	kW	65.03	68.64	72.25	73.52	77.13
	COP	kW/kW	3.61	3.57	3.53	3.54	3.50
Sound Pressure Level*1		dB(A)	70	71	71	71	72
Cabinet Color*2		—	Grayish White				
Outer Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	1350+1600+1600	1350+1600+1600	1600+1600+1350	1600+1600+1600	1600+1600+1600
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930	1930	1930
	Width	mm	1420+1665+1665	1420+1665+1665	1665+1665+1420	1665+1665+1665	1665+1665+1665
	Depth	mm	790	790	790	790	790
Weight	Net Weight	kg	365+389+389	365+389+390	390+390+365	390+390+389	390+390+390
	Gross Weight	kg	403+433+433	403+433+434	434+434+403	434+434+433	434+434+434
Compressor	Type	—	Scroll Compressor				
	Compressor Quantity	—	6	6	6	6	6
Refrigerant	Refrigerant Charge Before Shipment	kg	12.7+13.5+13.5	12.7+13.5+13.5	13.5+13.5+12.7	13.5+13.5+13.5	13.5+13.5+13.5
	Gas Pipe	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
	Liquid Pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Ventilation	Fan Quantity	—	6	6	6	6	6
	Air Flow Rate	m³/min	996	996	996	1050	1050
Operating Range*3	Cooling	℃	-5-52				
	Heating	℃	-25-16.5				
Connectable Indoor Units	Quantity	PC	64	64	64	64	64
Piping Design	ODUs is Higher Than IDUs	m	50(90*4)	50(90*4)	50(90*4)	50(90*4)	50(90*4)
	ODUs is Lower Than IDUs	m	40(90*4)	40(90*4)	40(90*4)	40(90*4)	40(90*4)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Total Piping Length	m	1000	1000	1000	1000	1000

NOTES:

Rated cooling capacity is 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 diference: 0m
Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height diference: 0m

OUTDOOR UNIT SPECIFICATIONS

Capacity			86HP	88HP	90HP	92HP
Model			AVWT-824HKFSE	AVWT-844HKFSE	AVWT-866HKFSE	AVWT-886HKFSE
Conbination			AVWT-190HKFSE	AVWT-190HKFSE	AVWT-190HKFSE	AVWT-190HKFSE
			AVWT-190HKFSE	AVWT-190HKFSE	AVWT-212HKFSE	AVWT-232HKFSE
			AVWT-212HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE
			AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE
Power Supply			AC 3Φ,380-415V/50/60Hz			
Cooling Operation	Nominal Capacity	kW	241.5	248.0	253.5	260.0
		kBtu/h	824.1	846.4	865.1	887.4
	Power Consumption	kW	68.87	70.94	73.40	75.47
	EER	kW/kW	3.51	3.50	3.45	3.45
Heating Operation	Capacity	kW	273.0	276.0	282.0	288.0
		kBtu/h	920.4	940	960.4	980
	Power Consumption	kW	72.53	74.56	76.91	78.94
	COP	kW/kW	3.76	3.70	3.67	3.65
Sound Pressure Level*1		dB(A)	70	70	70	71
Cabinet Color*2		—	Grayish White			
Outer Dimensions	Height	mm	1730	1730	1730	1730
	Width	mm	1350+1350+1350+1350	1350+1350+1350+1350	1350+1350+1350+1350	1350+1350+1350+1350
	Depth	mm	750	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930	1930
	Width	mm	1420+1420+1420+1420	1420+1420+1420+1420	1420+1420+1420+1420	1420+1420+1420+1420
	Depth	mm	790	790	790	790
Weight	Net Weight	kg	363+363+364+365	363+363+365+365	363+364+365+365	363+365+365+365
	Gross Weight	kg	401+401+402+403	401+401+403+403	401+402+403+403	401+403+403+403
Compressor	Type	—	Scroll Compressor			
	Compressor Quantity	—	8	8	8	8
Refrigerant	Refrigerant Charge Before Shipment	kg	11.8+11.8+12.7+12.7	11.8+11.8+12.7+12.7	11.8+12.7+12.7+12.7	11.8+12.7+12.7+12.7
	Gas Pipe	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8
	Liquid Pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Ventilation	Fan Quantity	—	8	8	8	8
	Air Flow Rate	m³/min	1126	1126	1155	1155
Operating Range*3	Cooling	℃	-5-52			
	Heating	℃	-25-16.5			
Connectable Indoor Units	Quantity	PC	64	64	64	64
Piping Design	ODUs is Higher Than IDUs	m	50(90*4)	50(90*4)	50(90*4)	50(90*4)
	ODUs is Lower Than IDUs	m	40(90*4)	40(90*4)	40(90*4)	40(90*4)
	Height Difference Between IDUs	m	30	30	30	30
	Max. Total Piping Length	m	1000t	1000	1000	1000

1. 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.
   Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
2. The final appearance of outdoor units is subject to the actual products.
3. When the operation temperature is under 48℃~ 52℃ or -25℃~-20℃ please contact our professional engineer.
4. For height difference between ODU&IDU more than 50(40)m,please contact our professional engineer.

OUTDOOR UNIT SPECIFICATIONS

Capacity			94HP	96HP	98HP	100HP	102HP
Model			AVWT-908HKFSE	AVWT-928HKFSE	AVWT-946HKFSE	AVWT-968HKFSE	AVWT-986HKFSE
Conbination			AVWT-212HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE
			AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE
			AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-250HKFSE
			AVWT-232HKFSE	AVWT-232HKFSE	AVWT-250HKFSE	AVWT-272HKFSE	AVWT-272HKFSE
Power Supply			AC 3Φ,380-415V/50/60Hz				
Cooling Operation	Nominal Capacity	kW	265.5	272.0	276.5	284.0	288.5
		kBtu/h	906.1	928.4	942.8	968.3	982.7
	Power Consumption	kW	77.93	80.00	80.95	84.24	85.19
	EER	kW/kW	3.41	3.40	3.42	3.37	3.39
Heating Operation	Capacity	kW	294.0	300.0	305.0	315.0	320.0
		kBtu/h	1000.4	1020	1037	1071	1088
	Power Consumption	kW	81.29	83.32	84.59	88.20	89.47
	COP	kW/kW	3.62	3.60	3.61	3.57	3.58
Sound Pressure Level*1		dB(A)	71	71	71	72	72
Cabinet Color*2		—	Grayish White				
Outer Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	1350+1350+1350+1350	1350+1350+1350+1350	1350+1350+1350+1600	1350+1350+1350+1600	1350+1350+1600+1600
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930	1930	1930
	Width	mm	1420+1420+1420+1420	1420+1420+1420+1420	1420+1420+1420+1665	1420+1420+1420+1665	1420+1420+1665+1665
	Depth	mm	790	790	790	790	790
Weight	Net Weight	kg	364+365+365+365	365+365+365+365	365+365+365+389	365+365+365+390	365+365+389+390
	Gross Weight	kg	402+403+403+403	403+403+403+403	403+403+403+433	403+403+403+434	403+403+433+434
Compressor	Type	—	Scroll Compressor				
	Compressor Quantity	—	8	8	8	8	8
Refrigerant	Refrigerant Charge Before Shipment	kg	12.7+12.7+12.7+12.7	12.7+12.7+12.7+12.7	12.7+12.7+12.7+13.5	12.7+12.7+12.7+13.5	12.7+12.7+13.5+13.5
	Gas Pipe	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
	Liquid Pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Ventilation	Fan Quantity	—	8	8	8	8	8
	Air Flow Rate	m³/min	1184	1184	1238	1238	1292
Operating Range*3	Cooling	℃	-5-52				
	Heating	℃	-25-16.5				
Connectable Indoor Units	Quantity	PC	64	64	64	64	64
Piping Design	ODUs is Higher Than IDUs	m	50(90*4)	50(90*4)	50(90*4)	50(90*4)	50(90*4)
	ODUs is Lower Than IDUs	m	40(90*4)	40(90*4)	40(90*4)	40(90*4)	40(90*4)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Total Piping Length	m	1000	1000	1000	1000	1000

NOTES:

Rated cooling capacity is 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 diference: 0m
Heating conditions: indoor air inlet temperature: 20℃ DB, Outdoor air inlet temperature: 7℃ DB 6℃ WB, pipe length: 7.5m, pipe height diference: 0m

OUTDOOR UNIT SPECIFICATIONS

Capacity			104HP	106HP	108HP	110HP	112HP
Model			AVWT-1008HKFSE	AVWT-1026HKFSE	AVWT-1048HKFSE	AVWT-1066HKFSE	AVWT-1088HKFSE
Conbination			AVWT-232HKFSE	AVWT-232HKFSE	AVWT-232HKFSE	AVWT-250HKFSE	AVWT-272HKFSE
			AVWT-232HKFSE	AVWT-250HKFSE	AVWT-272HKFSE	AVWT-272HKFSE	AVWT-272HKFSE
			AVWT-272HKFSE	AVWT-272HKFSE	AVWT-272HKFSE	AVWT-272HKFSE	AVWT-272HKFSE
			AVWT-272HKFSE	AVWT-272HKFSE	AVWT-272HKFSE	AVWT-272HKFSE	AVWT-272HKFSE
Power Supply			AC 3Φ,380-415V/50/60Hz				
Cooling Operation	Nominal Capacity	kW	296.0	300.5	308.0	312.5	320.0
		kBtu/h	1008.2	1022.6	1048.1	1062.5	1088
	Power Consumption	kW	88.48	89.43	92.72	93.67	96.96
	EER	kW/kW	3.35	3.36	3.32	3.34	3.30
Heating Operation	Capacity	kW	330.0	335.0	345.0	350.0	360.0
		kBtu/h	1122	1139	1173	1190	1224
	Power Consumption	kW	93.08	94.35	97.96	99.23	102.84
	COP	kW/kW	3.55	3.55	3.52	3.53	3.50
Sound Pressure Level*1		dB(A)	72	72	73	73	73
Cabinet Color*2		—	Grayish White				
Outer Dimensions	Height	mm	1730	1730	1730	1730	1730
	Width	mm	1350+1350+1600+1600	1350+1600+1600+1600	1350+1600+1600+1600	1600+1600+1600+1600	1600+1600+1600+1600
	Depth	mm	750	750	750	750	750
Packing Dimensions	Height	mm	1930	1930	1930	1930	1930
	Width	mm	1420+1420+1665+1665	1420+1665+1665+1665	1420+1665+1665+1665	1665+1665+1665+1665	1665+1665+1665+1665
	Depth	mm	790	790	790	790	790
Weight	Net Weight	kg	365+365+390+390	365+389+390+390	365+390+390+390	389+390+390+390	390+390+390+390
	Gross Weight	kg	403+403+434+434	403+433+434+434	403+434+434+434	433+434+434+434	434+434+434+434
Compressor	Type	—	Scroll Compressor				
	Compressor Quantity	—	8	8	8	8	8
Refrigerant	Refrigerant Charge Before Shipment	kg	12.7+12.7+13.5+13.5	12.7+13.5+13.5+13.5	12.7+13.5+13.5+13.5	13.5+13.5+13.5+13.5	13.5+13.5+13.5+13.5
	Gas Pipe	mm	Φ50.8	Φ50.8	Φ50.8	Φ50.8	Φ50.8
	Liquid Pipe	mm	Φ25.4	Φ25.4	Φ25.4	Φ25.4	Φ25.4
Ventilation	Fan Quantity	—	8	8	8	8	8
	Air Flow Rate	m³/min	1292	1346	1346	1400	1400
Operating Range*3	Cooling	℃	-5-52				
	Heating	℃	-25-16.5				
Connectable Indoor Units	Quantity	PC	64	64	64	64	64
Piping Design	ODUs is Higher Than IDUs	m	50(90*4)	50(90*4)	50(90*4)	50(90*4)	50(90*4)
	ODUs is Lower Than IDUs	m	40(90*4)	40(90*4)	40(90*4)	40(90*4)	40(90*4)
	Height Difference Between IDUs	m	30	30	30	30	30
	Max. Total Piping Length	m	1000	1000	1000	1000	1000

1. The above noise values are measured in the anechoic chamber without refiected echo, therefore the impact of the reflected echo must be included at the scene.
   Measurement point: 1 meter from the service cover surface and 1.5 meters from floor level.
2. The final appearance of outdoor units is subject to the actual products.
3. When the operation temperature is under 48℃~ 52℃ or -25℃~-20℃ please contact our professional engineer.
4. For height difference between ODU&IDU more than 50(40)m,please contact our professional engineer.

Hisense VRF

INDOOR UNIT

- 4-Way Cassette Type
- Mini 4-Way Cassette Type
- Ceiling Ducted Type
  - AC Low-height
  - DC Low-height
  - High Static Pressure
  - Low Static Pressure
- 1-Way Cassette Type
- 2-Way Cassette Type
- Console Type
- Wall Mounted Type
- Ceiling & Floor Type
- Floor Concealed Type
- All Fresh Air Indoor Unit
- Heat Recovery Ventilator
- AHU Connection Kit

Smavo

OUTDOOR UNIT SPECIFICATIONS

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	8.0	10.0
kBtu/h		5	7	9	12	14	17	19	22	24	27	30	38	48	54	76	96
4-Way Cassette Type				●	●	●		●	●	●	●	●	●	●	●		
Mini 4-Way Cassette Type		●	●	●	●	●	●	●									
1-Way Cassette Type			●	●	●	●		●		●							
2-Way Cassette Type			●	●	●	●		●		●	●	●	●	●	●		
Console Type		●	●	●	●	●	●										
Ceiling Ducted Type (AC Low-height)		●	●	●	●	●	●	●	●	●							
Ceiling Ducted Type (DC Low-height)		●	●	●	●	●	●	●	●	●							
Ceiling Ducted Type (High Static Pressure)			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ceiling Ducted Type (Low Static Pressure)			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Wall Mounted Type			●	●	●	●	●	●	●	●							
Ceiling & Floor Type							●	●	●	●	●	●	●	●			
Floor Concealed Type				●		●		●		●							

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

FUNCTIONS & ACCESSORIES

Installation & Maintenance

1200m condensate pump
Drain Pumps help to discharge condensate water from the indoor unit smoothly.

Self-Diagnosis
The self-diagnosis function in indoor units smartly determines and analyses problems occurred providing with troubleshooting hints. It is displayable and could be tracked on controller, outdoor and indoor unit itself.

Compact size
Compact size on indoor units offer greater installation flexibility especially in restricted space.

Easy cleaning
Clean effortlessly by dragging cloths across smooth flat surfaces on indoor units and prevents heavy dust accumulation.

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

Special Function

Auto restart
Indoor units with Auto Restart Function ,automatically restarts in default mode or restoring to the previous mode after any involuntary power cut off.

Low temperature cooling
Setting temperature of indoor units is widen with selectable temperature to as low as 16°C.

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

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

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

Basic Function

Remote control
Control indoor units remotely using the blind spotless LCD display wireless controller

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

Adjustable louver's position
Louver's position of indoor units can be adjusted in different levels and angles.

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

Fan speed
Selectable fan speeds are available.

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

Air Quality

Fresh air introduction
Indoor units that are compatible to introduce fresh air into rooms with either an optional adapter or direct connection to the air return segment of the unit.

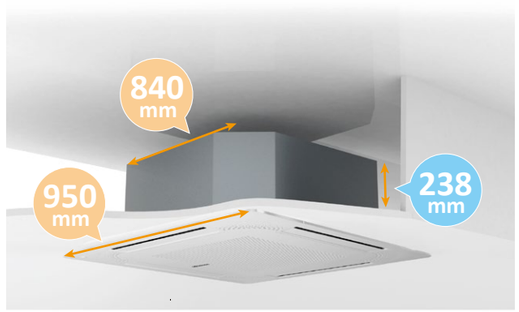
Standard filter included
Washable long life synthetic fibre return air filters are included with the unit.

Optional filter
Washable long life synthetic fibre air filters does not come with indoor unit but an optional accessory.

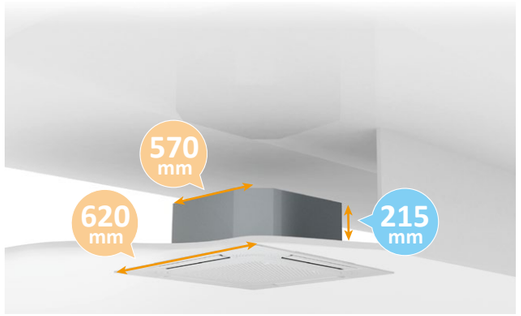
4-WAY CASSETTE TYPE
MINI 4-WAY CASSETTE TYPE

Compact and Classy Design

The 4 way cassette is now as slim as 238mm and 215mm for mini 4-way cassettes , fit for narrow ceiling spaces. Boring straight return air grille patterns are replaced with exquisite hexagon pattern design, upgrading taste and classiness of any interior aesthetic.



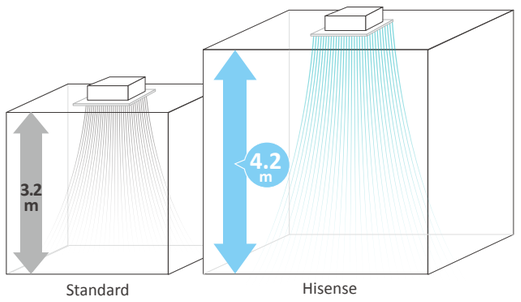
4-Way Cassette Type



Mini 4-Way Cassette Type

Higher Installation

Air from the cassette still manages to flow down from ceiling heights as high as 4.2m. Not to mention human presence and density detection by motion sensor at such height.



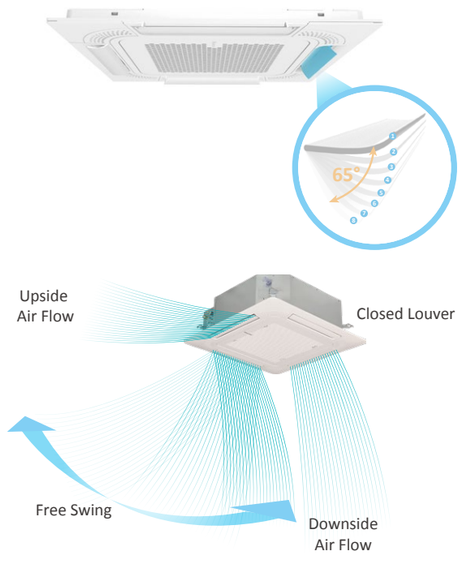
Standard Hisense

Branch Discharge Option

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

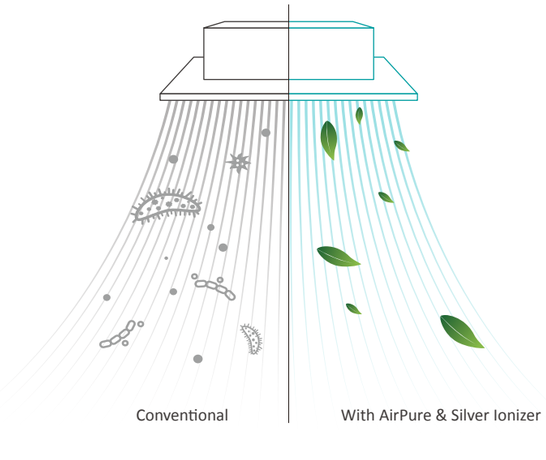
Independent Louvers Control

All 4 louvers on the cassette units can be adjusted independantly in any 8 positions from 0° (closed) to 65° for more precise airflow direction maximizing user's comfort and adapting to various space layouts.



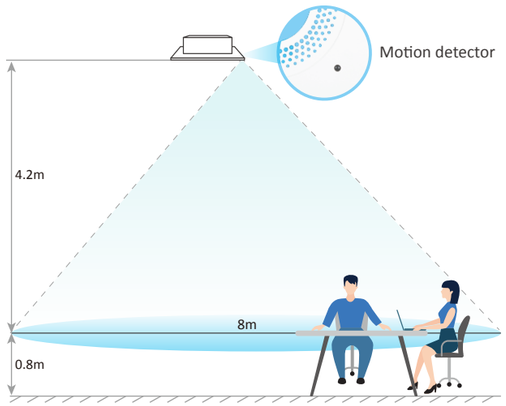
AirPure and Silver Ionizer

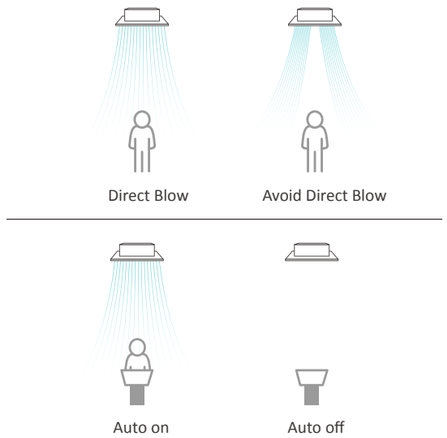
AirPure is a healthy alternative accessory to the normal conventional cassette unit to improve overall air quality. Airpure helps in improving skin condition, effective deodorizer and deactivating bacterias, virus and allergens floating in the air.
Silver ion accessory is also available to maintain the hygiene level of the drain pan preventing bacteria being transmitted out.



Motion Sensor

The sensor senses the presence of people to automatically turn the cassette unit on or off and whether to direct airflow towards or avoiding humans depend settings set on the controller. During crowded times, the setting temperature is automatically lowered down and vise versa. Meeting comfort and using energy only when necessary.





4-Way Cassette Type

Model			AVBC-09 HJFKA	AVBC-12 HJFKA	AVBC-15 HJFKA	AVBC-19 HJFKA	AVBC-22 HJFKA	AVBC-24 HJFKA	AVBC-27 HJFKA	AVBC-30 HJFKA	AVBC-38 HJFKA	AVBC-48 HJFKA	AVBC-54 HJFKA
Power Supply			AC 1Φ,220~240V/50Hz(60Hz)										
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0
		Btu/h	9,600	12,300	15,400	19,100	21,500	24,200	27,300	30,700	38,200	47,800	54,600
	Heating	kW	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
		Btu/h	9,900	13,600	17,100	21,500	24,200	27,300	30,700	34,100	42,700	54,600	61,400
Power Input	Cooling	W	14	24	24	34	54	64	54	54	124	124	124
	Heating	W	14	24	24	34	54	64	54	54	124	124	124
Sound Pressure		dB(A)	30/28/28/ 27/26/26	32/29/29/ 28/27/26	33/31/29/ 29/27/26	34/31/30/ 28/28/26	36/33/32/ 31/29/28	36/33/32/ 31/29/28	37/36/35/ 33/31/30	37/36/35/ 33/31/30	42/40/38/ 36/34/33	46/44/40/ 38/36/34	46/44/41/ 40/38/36
Airflow Rate		m^3/min	14.6/13.4/ 12.0/10.8/ 10.0/8.8	16.5/14.0/ 12.8/11.8/ 10.8/9.1	20.2/16.0/ 14.9/13.6/ 12.7/11.2	22.0/17.5/ 15.9/15.5/ 13.6/12.5	25.5/20.0/ 18.3/17.0/ 15.1/13.0	26.7/21.0/ 19.1/18.0/ 16.3/14.7	26.2/22.0/ 20.3/18.7/ 16.8/15.4	26.2/23.0/ 20.7/19.6/ 17.7/16.1	36.0/30.0/ 27.4/24.8/ 22.4/19.6	36.1/33.5/ 29.6/27.2/ 24.5/22.4	36.1/34.0/ 30.7/28.9/ 25.6/23.8
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)										
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
		inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain	mm	O.D.32										
Weight	Net Weight	kg	20	20	21	21	23	23	26	26	26	26	26
	Gross Weight	kg	24	24	25	25	27	27	31	31	31	31	31
Dimensions	External	H mm	238	238	238	238	238	238	288	288	288	288	288
		W mm	840	840	840	840	840	840	840	840	840	840	840
		D mm	840	840	840	840	840	840	840	840	840	840	840
	Packaging	H mm	292	292	292	292	292	292	342	342	342	342	342
		W mm	945	945	945	945	945	945	945	945	945	945	945
		D mm	945	945	945	945	945	945	945	945	945	945	945
Decoration Panel	Model	-	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK	HP-G-NK
	Panel Colour	-	Neutral White										
	Body Dimensions	H mm	47	47	47	47	47	47	47	47	47	47	47
		W mm	950	950	950	950	950	950	950	950	950	950	950
		D mm	950	950	950	950	950	950	950	950	950	950	950
	Packaging Dimensions	H mm	105	105	105	105	105	105	105	105	105	105	105
		W mm	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014
		D mm	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014	1014
	Net Weight	kg	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	Gross Weight	kg	8	8	8	8	8	8	8	8	8	8	8

NOTES:

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

Mini 4-Way Cassette Type

Model			AVC-05HJFA	AVC-07HJFA	AVC-09HJFA	AVC-12HJFA	AVC-15HJFA	AVC-17HJFA	AVC-19HJFA
Power Supply			AC 1Φ,220~240V/50Hz/60Hz						
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.0	5.6
		Btu/h	5,100	7,480	9,520	12,240	15,300	17,000	19,040
	Heating	kW	2.0	2.5	3.3	4.2	5.0	5.6	6.3
		Btu/h	6,800	8,500	11,220	14,280	17,000	19,040	21,420
Power Input	Cooling	W	80	80	80	80	80	80	80
	Heating	W	80	80	80	80	80	80	80
Sound Pressure		dB(A)	30/29/28/26	30/29/28/26	32/30/28/26	34/32/29/26	38/36/31/28	42/39/36/31	45/42/38/34
Airflow Rate		m^3/min	7.2/6.5/6.2/5.6	7.2/6.5/6.2/5.6	7.8/7.2/6.5/5.8	8.2/7.2/6.5/5.8	9.3/8.7/7.1/6.7	11.0/9.5/8.7/7.1	12.5/10.8/9.3/8.0
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)						
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ12.7
		inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	Condensate Drain	mm	O.D.32						
Weight	Net Weight	kg	14.5	14.5	14.8	14.8	15.8	15.8	15.8
	Gross Weight	kg	17.3	17.3	17.6	17.6	18.6	18.6	18.6
Dimensions	External	H mm	215	215	215	215	215	215	215
		W mm	570	570	570	570	570	570	570
		D mm	570	570	570	570	570	570	570
	Packaging	H mm	292	292	292	292	292	292	292
		W mm	668	668	668	668	668	668	668
		D mm	730	730	730	730	730	730	730
Decoration Panel	Model	-	HPE-D-NK	HPE-D-NK	HPE-D-NK	HPE-D-NK	HPE-D-NK	HPE-D-NK	HPE-D-NK
	Panel Colour	-	Neutral White						
	Body Dimensions	H mm	37	37	37	37	37	37	37
		W mm	620	620	620	620	620	620	620
		D mm	620	620	620	620	620	620	620
	Packaging Dimensions	H mm	115	115	115	115	115	115	115
		W mm	680	680	680	680	680	680	680
		D mm	690	690	690	690	690	690	690
	Net Weight	kg	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	Gross Weight	kg	4.5	4.5	4.5	4.5	4.5	4.5	4.5

NOTES:

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

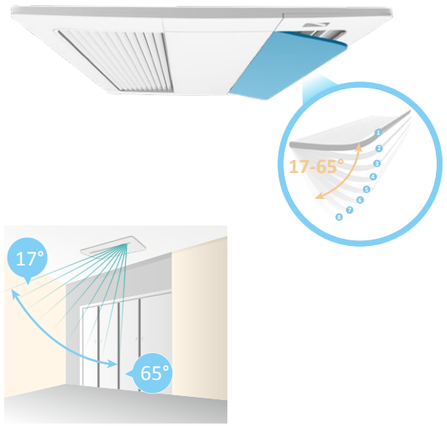
1-WAY CASSETTE TYPE

Chic Aesthetics

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

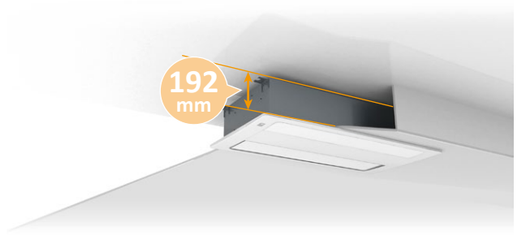
360° Air Supply

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



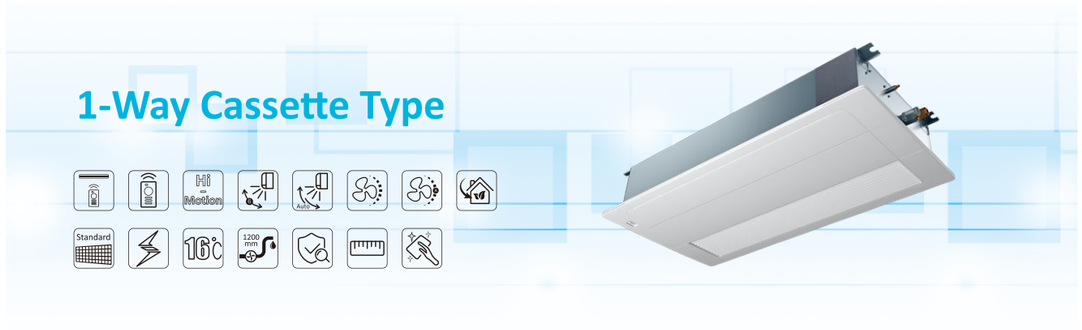
Space Saving

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



Maintain never been easier

The electricity box of the cassette is designed and placed beneath the panel. Service, maintenance and commissioning have never made simpler without crawling into service manholes for simple adjustments on the PCB board.



Model			AVY-07UXJSJA	AVY-09UXJSJA	AVY-12UXJSJA	AVY-14UXJSJA	AVY-18UXJSKA	AVY-24UXJSKA
Power Supply			AC 1Φ,220~240V/50Hz/60Hz					
Capacity	Cooling	kW	2.2	2.8	3.6	4.0	5.6	7.1
		Btu/h	7,500	9,600	12,300	13,600	19,100	24,200
	Heating	kW	2.5	3.2	4.0	4.5	6.3	8.0
		Btu/h	8,500	10,900	13,600	15,400	21,500	27,300
Power Input	Cooling	W	14	14	24	34	34	74
	Heating	W	14	24	34	44	44	94
Sound Pressure		dB(A)	33/32/31/30/29/28	35/34/32/31/29/28	40/36/35/33/30/29	40/36/35/33/30/29	41/39/36/35/33/31	48/46/43/40/37/33
Airflow Rate		m^3/min	6.2/5.9/5.6/ 5.1/4.8/4.6	6.6/6.2/5.6/ 5.1/4.8/4.6	8.3/7.3/6.8/ 6.2/5.6/5.1	8.3/7.3/6.8/ 6.2/5.6/5.1	12.1/9.9/8.8/ 8.2/7.8/6.6	15.6/12.6/11.2/ 9.9/8.4/7.1
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)					
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88
		inch	1/2	1/2	1/2	1/2	5/8	5/8
	Condensate Drain	mm	O.D.32					
Weight	Net Weight	kg	19	19	20	20	24	24
	Gross Weight	kg	23	23	24	24	29	29
Dimensions	External	H mm	192	192	192	192	192	192
		W mm	910	910	910	910	1180	1180
		D mm	470	470	470	470	470	470
	Packaging	H mm	268	268	268	268	268	268
		W mm	1136	1136	1136	1136	1406	1406
		D mm	574	574	574	574	574	574
Decoration Panel	Model	-	HP-D-NA	HP-D-NA	HP-D-NA	HP-D-NA	HP-E-NA	HP-E-NA
	Panel Colour	-	Neutral White					
	Body Dimensions	H mm	55	55	55	55	55	55
		W mm	1100	1100	1100	1100	1370	1370
		D mm	550	550	550	550	550	550
	Packaging Dimensions	H mm	130	130	130	130	130	130
		W mm	1160	1160	1160	1160	1430	1430
		D mm	610	610	610	610	610	610
	Net Weight	kg	5	5	5	5	6	6
	Gross Weight	kg	8	8	8	8	10	10

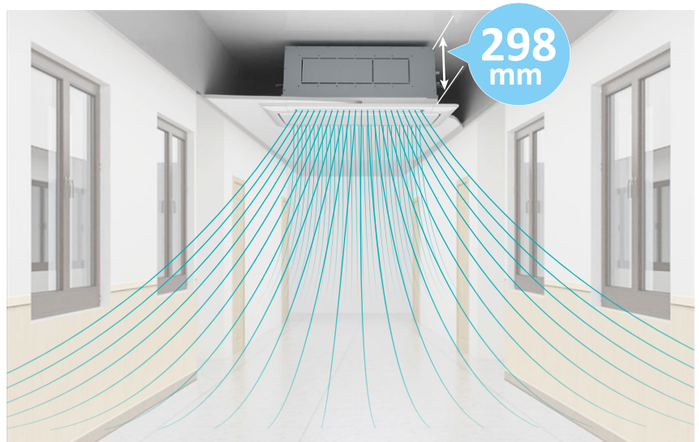
NOTES:

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

2-WAY CASSETTE TYPE

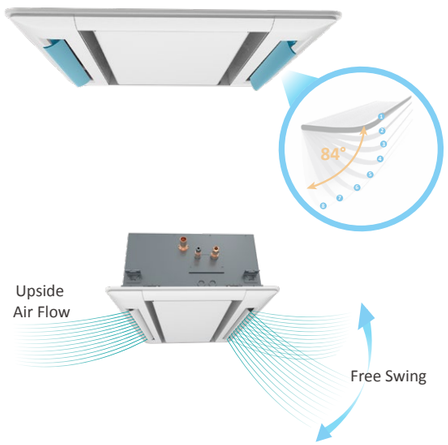
Compact and Classy Design

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



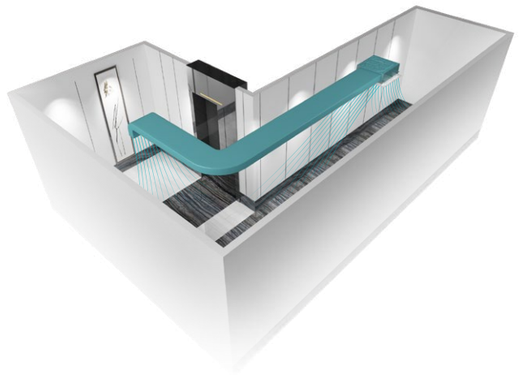
Individual Louver Control

Each louver's opening angles are controllable individually with a total of 8 choices, with opening angle from 27° to 84° to cover high ceiling narrow long corridors needs and effective warm air supply during winter seasons.



Branch Discharge Option

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



Model				AVL-07 UXJSGA	AVL-09 UXJSGA	AVL-12 UXJSGA	AVL-14 UXJSGA	AVL-18 UXJSGA	AVL-24 UXJSGA	AVL-27 UXJSGA	AVL-30 UXJSGA	AVL-38 UXJSHA	AVL-48 UXJSHA	AVL-54 UXJSHA
Power Supply				AC 1Φ,220~240V/50Hz/60Hz										
Capacity	Cooling		kW	2.2	2.8	3.6	4.3	5.6	7.1	8.4	9.0	11.2	14.0	16.0
			Btu/h	7,500	9,600	12,300	14,700	19,100	24,200	28,700	30,700	38,200	47,800	54,600
	Heating		kW	2.8	3.3	4.0	4.9	6.5	8.0	9.0	10.0	13.0	16.0	18.0
			Btu/h	9,600	11,300	13,600	16,700	22,200	27,300	30,700	34,100	44,400	54,600	61,400
Power Input	Cooling		W	14	14	14	24	34	44	64	74	84	104	114
	Heating		W	14	14	14	24	34	44	64	74	84	104	114
Sound Pressure			dB(A)	32/30/ 29/27	33/30/ 29/28	34/31/ 30/28	40/37/ 34/32	42/39/ 36/33	45/42/ 40/36	47/44/ 40/36	49/46/ 42/37	46/44/ 40/38	48/45/ 42/38	49/46/ 43/40
Airflow Rate			m^3/min	10.0/8.5/ 7.2/6.0	11.0/9.4/ 8.2/6.6	12.0/10.5/ 8.9/7.5	15.0/13.2/ 11.5/9.9	17.0/14.9/ 13.0/11.2	19.0/16.4/ 14.3/12.3	21.0/18.4/ 15.6/12.6	22.0/19.3/ 16.3/13.1	30.0/26.4/ 23.1/19.8	35.0/30.8/ 26.9/21.1	37.0/32.5/ 28.4/24.1
Connection Type			-	Flare-nut Connection(with Flare Nuts)										
Piping	Liquid		mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
			inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas		mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
			inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain		mm	O.D.32										
Weight	Net Weight		kg	22	22	22	24	24	24	24	24	39	39	39
	Gross Weight		kg	28	28	28	30	30	30	30	30	47	47	47
Dimensions	External	H	mm	298	298	298	298	298	298	298	298	298	298	298
		W	mm	860	860	860	860	860	860	860	860	1420	1420	1420
		D	mm	630	630	630	630	630	630	630	630	630	630	630
	Packaging	H	mm	350	350	350	350	350	350	350	350	350	350	350
		W	mm	1070	1070	1070	1070	1070	1070	1070	1070	1630	1630	1630
		D	mm	710	710	710	710	710	710	710	710	710	710	710
Decoration Panel	Model		-	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-F-NA	HP-F-NA	HP-F-NA
	Panel Colour		-	Neutral White										
	Body Dimensions	H	mm	30	30	30	30	30	30	30	30	30	30	30
		W	mm	1100	1100	1100	1100	1100	1100	1100	1100	1660	1660	1660
		D	mm	710	710	710	710	710	710	710	710	710	710	710
	Packaging Dimensions	H	mm	160	160	160	160	160	160	160	160	160	160	160
		W	mm	1170	1170	1170	1170	1170	1170	1170	1170	1710	1710	1710
		D	mm	740	740	740	740	740	740	740	740	740	740	740
	Net Weight		kg	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	10.5	10.5	10.5
	Gross Weight		kg	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	17.8	17.8	17.8

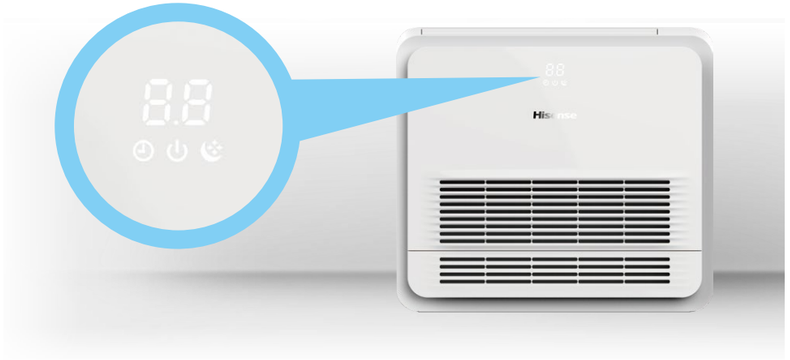
NOTES:

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

CONSOLE TYPE

Stylish Aesthetics

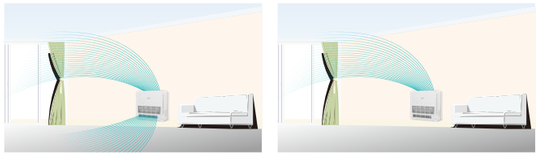
Smooth white matte cover with LED power and temperature display console unit is an upgraded stylish air-conitioning option to the ordinaries. Suitable for any residential or commercial applications needed an AC unit near the floor for effective heating during the winter and cooling during summer.



Assorted Modes

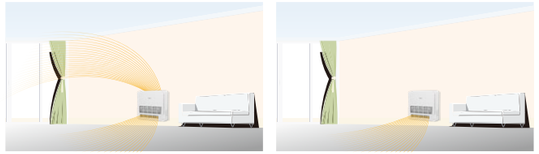
Cooling Mode

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



Heating Mode

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



Flexible Installation Options

Despite of the suitability of floor installment for console units, it is still available for wall mounting too. For a sleek look, the unit could also be installed semi-concealed or totally concealed to be used as concealed floor units.

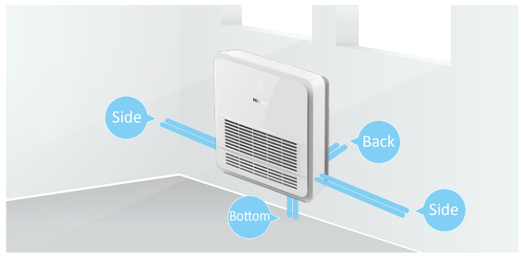
Standing on the floor

Hanging on the wall

Direct mounted | Semi-concealed into wall | Completely concealed

Flexible Piping Connection

Both refrigerant and drainage pipings are freely to connect in any direction including any sides. An additional direction to the back of the unit for refrigerant pipes to allow passing through walls.

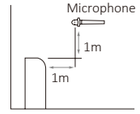


Model			AVK-05HJFCAA	AVK-07HJFCAA	AVK-09HJFCAA	AVK-12HJFCAA	AVK-15HJFCAA	AVK-17HJFCAA
Power Supply			AC 1Φ,220V~240V/50Hz/60Hz					
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.0
		Btu/h	5,100	7,500	9,600	12,300	15,300	17,000
	Heating	kW	2.0	2.5	3.3	4.2	5.0	5.6
		Btu/h	6,800	8,500	11,200	14,300	17,000	19,100
Power Input	Cooling	W	10	11	12	14	18	23
	Heating	W	10	11	12	14	18	23
Sound Pressure		dB(A)	32/30/29/28/26/24	34/32/31/29/27/26	36/35/32/31/29/27	39/36/34/31/29/27	41/39/37/35/33/32	44/43/41/39/37/36
Airflow Rate		m^3/min	6.0/5.7/5.3/ 5.1/4.7/4.5	7.4/7.0/6.4/ 6.0/5.6/5.3	8.0/7.4/7.0/ 6.4/6.0/5.6	8.2/7.6/6.8/ 6.2/5.7/5.3	9.0/8.5/7.8/ 7.2/6.6/6.4	10.1/9.7/9.0/ 8.5/7.9/7.3
Panel Colour		-	Pure White	Pure White	Pure White	Pure White	Pure White	Pure White
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)					
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35
		inch	1/4	1/4	1/4	1/4	1/4	1/4
	Gas	mm	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7
		inch	1/2	1/2	1/2	1/2	1/2	1/2
	Condensate Drain	mm	O.D.32					
Weight	Net Weight	kg	16.1	16.1	16.1	17.4	17.4	17.4
	Gross Weight	kg	20.6	21.1	21.1	21.5	21.5	21.5
Dimensions	External	H mm	630	630	630	630	630	630
		W mm	700	700	700	700	700	700
		D mm	225	225	225	225	225	225
	Packaging	H mm	725	725	725	725	725	725
		W mm	790	790	790	790	790	790
		D mm	315	315	315	315	315	315

NOTES:

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

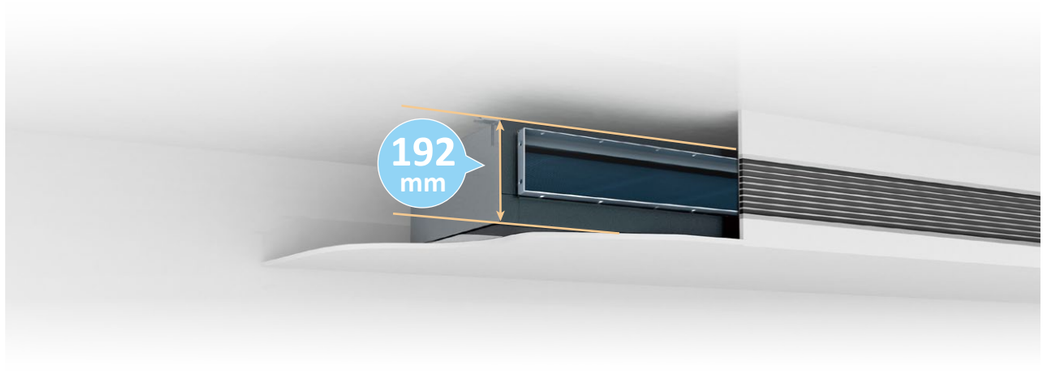
2. The sound pressure level is based on following conditions:
   It is measured in anechoic room. Operation noise differs with operation and ambient conditions.
   Location of Microphone:



CEILING DUCTED TYPE
(AC/DC LOW HEIGHT, HIGH/LOW STATIC PRESSURE)

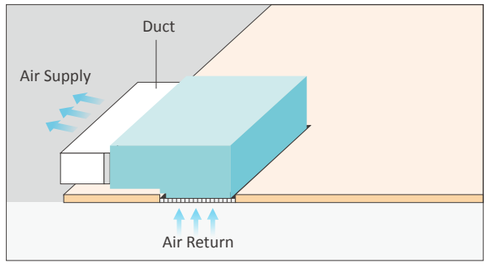
Space Saving

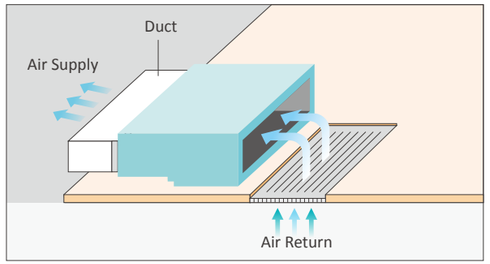
Concealed AC/DC Low Height Ducted unit is as slim as 192mm, fitting into the narrowest ceiling spaces. Save ceiling spaces for higher room height without compromising user's comfort and satisfaction.

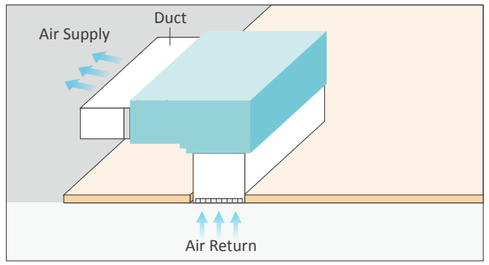


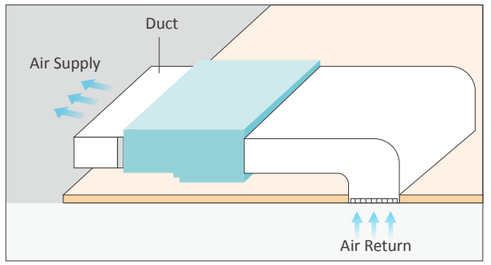
Flexible Air Supply and Return

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



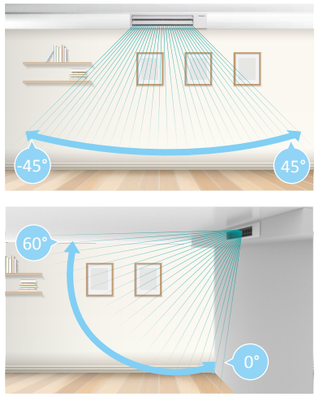


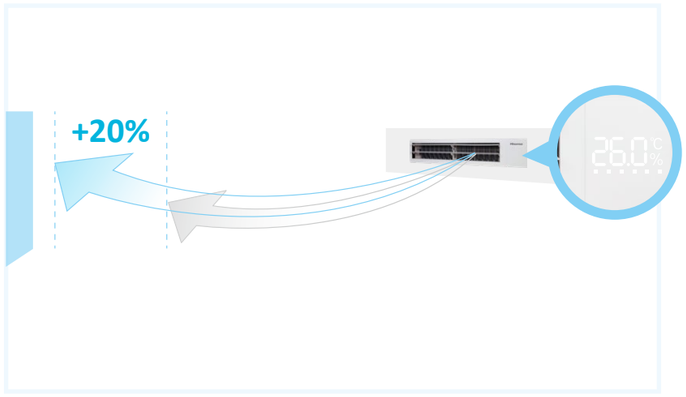




3D Air Flow

Classy air discharge louver panel with LED temperature and humidity display is available as an optional accessory for the AC/DC Low Height Ducted Units. The 3D louvers on the panel offer wide air flow coverage to keep every corners of your room cool or warm in any seasons of the year.

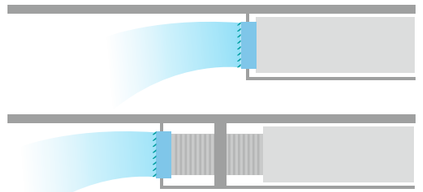




Adjustable Static Pressure*

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

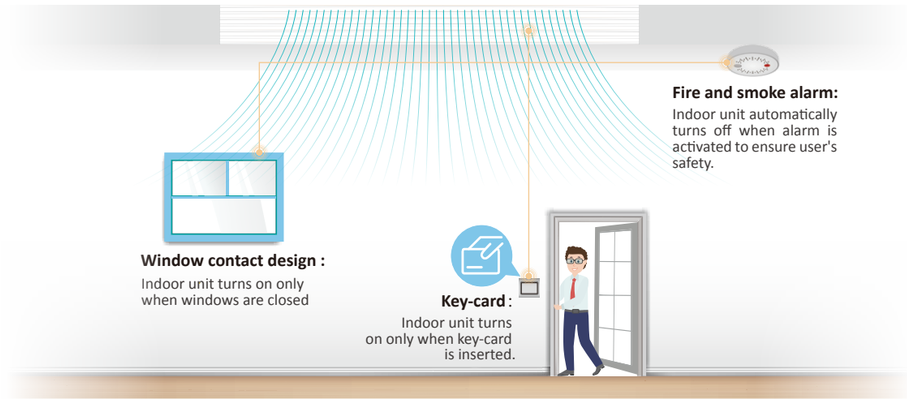
*: AC/DC Low Height,Low Static and High Static Pressure Ducted Unit have different number of static pressure choices, please refer to the specifications for more detail information.



With ESP, air can still be discharged out even though theres obstacles in the ceiling.

Various Device Connection Options

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



Ceiling Ducted Type (AC Low Height)

Model			AVE-05 HCFRL	AVE-07 HCFRL	AVE-09 HCFRL	AVE-12 HCFRL	AVE-15 HCFRL	AVE-17 HCFRL	AVE-19 HCFRL	AVE-22 HCFRL	AVE-24 HCFRL
Power Supply			AC 1Φ,220V~240V/50Hz								
Capacity	Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1
		Btu/h	5,800	7,500	9,600	12,300	15,300	17,100	19,100	21,500	24,200
	Heating	kW	1.9	2.5	3.2	4.0	5.0	5.6	6.3	7.1	8.0
		Btu/h	6,500	8,500	11,300	13,600	17,100	19,100	21,500	24,200	27,300
Power Input	Cooling	W	50	50	70	70	80	80	100	120	120
	Heating	W	50	50	70	70	80	80	100	120	120
Sound Pressure		dB(A)	29/24/22	29/24/22	35/25/23	35/25/23	36/25/23	36/25/23	35/25/23	39/26/25	39/26/25
Airflow Rate		m³/min	7/5.5/4.7	7/5.5/4.7	9/5.7/4.8	9/5.7/4.8	12/6.3/5.5	12/6.3/5.5	13.5/8/7.7	18/9.3/8.7	18/9.3/8.7
External Static Pressure		Pa	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)								
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53
		inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3/8	3/8
	Gas	mm	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 15.88	Φ 15.88	Φ 15.88
		inch	1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8
	Condensate Drain	mm	O.D.32								
Weight	Net Weight	kg	16	16	17	17	21	21	25	26	26
	Gross Weight	kg	19	19	20	20	24	24	29	29	29
Dimensions	External	H mm	192	192	192	192	192	192	192	192	192
		W mm	700	700	700	700	910	910	1180	1180	1180
		D mm	447	447	447	447	447	447	447	447	447
	Packaging	H mm	270	270	270	270	270	270	270	270	270
		W mm	925	925	925	925	1136	1136	1406	1406	1406
		D mm	574	574	574	574	574	574	574	574	574

NOTES:

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

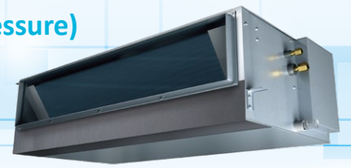
Ceiling Ducted Type (DC Low Height)

Model			AVE-05 HJFDL	AVE-07 HJFDL	AVE-09 HJFDL	AVE-12 HJFDL	AVE-15 HJFDL	AVE-17 HJFDL	AVE-19 HJFDL	AVE-22 HJFDL	AVE-24 HJFDL
Power Supply			AC 1Φ,220V~240V/50Hz/60Hz								
Capacity	Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1
		Btu/h	5,800	7,500	9,600	12,300	15,300	17,100	19,100	21,500	24,200
	Heating	kW	1.9	2.5	3.2	4.0	5.0	5.6	6.3	7.1	8.0
		Btu/h	6,500	8,500	11,300	13,600	17,100	19,100	21,500	24,200	27,300
Power Input	Cooling	W	30	30	50	50	60	60	60	90	90
	Heating	W	30	30	50	50	60	60	60	90	90
Sound Pressure		dB(A)	28/27/26/ 24/23/21	28/27/26/ 24/23/21	35/32/32/ 30/26/23	35/32/32/ 30/26/23	35/32/32/ 30/26/23	35/32/32/ 30/26/23	35/32/30/ 28/25/23	38/36/35/ 33/31/24	38/36/35/ 33/31/24
Airflow Rate		m³/min	7.0/6.5/6.1/ 5.7/5.3/4.8	7.0/6.5/6.1/ 5.7/5.3/4.8	9.0/8.1/7.3/ 6.7/5.9/5.2	9.0/8.1/7.3/ 6.7/5.9/5.2	12/10.8/9.4/ 8.1/6.8/5.5	12/10.8/9.4/ 8.1/6.8/5.5	13.5/12.5/11.2/ 10.0/8.8/7.7	18/16.1/14.3/ 12.3/10.5/8.7	18/16.1/14.3/ 12.3/10.5/8.7
External Static Pressure		Pa	10(0-10-30)	10(0-10-30)	10(0-10-30)	10(0-10-30)	10(0-10-30)	10(0-10-30)	10(0-10-30)	10(0-10-30)	10(0-10-30)
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)								
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53
		inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3/8	3/8
	Gas	mm	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 15.88	Φ 15.88	Φ 15.88
		inch	1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8
	Condensate Drain	mm	O.D.32								
Weight	Net Weight	kg	16	16	17	17	20	20	24	24	24
	Gross Weight	kg	19	19	20	20	24	24	29	29	29
Dimensions	External	H mm	192	192	192	192	192	192	192	192	192
		W mm	700	700	700	700	910	910	1180	1180	1180
		D mm	447	447	447	447	447	447	447	447	447
	Packaging	H mm	270	270	270	270	270	270	270	270	270
		W mm	925	925	925	925	1136	1136	1406	1406	1406
		D mm	574	574	574	574	574	574	574	574	574

NOTES:

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

Ceiling Ducted Type (High Static Pressure)



Model			AVD-07 HCFCH	AVD-09 HCFCH	AVD-12 HCFCH	AVD-15 HCFCH	AVD-19 HCFCH	AVD-22 HCFCH	AVD-24 HCFCH	AVD-27 HCFCH	AVD-30 HCFCH	AVD-38 HCFCH	AVD-48 HCFCH	AVD-54 HCFCH	AVD-76U X6SEH*1	AVD-96U X6SFH*1
Power Supply			AC 1Φ,220V~240V/50Hz													
Model			AVD-07 H3FCH	AVD-09 H3FCH	AVD-12 H3FCH	AVD-15 H3FCH	AVD-19 H3FCH	AVD-22 H3FCH	AVD-24 H3FCH	AVD-27 H3FCH	AVD-30 H3FCH	AVD-38 H3FCH	AVD-48 H3FCH	AVD-54 H3FCH	–	–
Power Supply			AC 1Φ,208~230V/60Hz													
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
		Btu/h	7500	9600	12300	15400	19100	21600	24200	27400	30800	38000	48000	54500	76500	95600
	Heating	kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0	25	31.5
		Btu/h	8500	10900	13700	17100	21600	24200	27400	30800	34200	42500	54500	61500	21500	27100
Power Input	Cooling	kW	0.10(0.13*2)	0.10(0.13*2)	0.13(0.16*2)	0.13(0.16*2)	0.14(0.21*2)	0.19(0.24*2)	0.19(0.24*2)	0.25(0.34*2)	0.25(0.34*2)	0.25(0.34*2)	0.34(0.45*2)	0.43(0.59*2)	1.03	1.28
	Heating	kW	0.10(0.13*2)	0.10(0.13*2)	0.13(0.16*2)	0.13(0.16*2)	0.14(0.21*2)	0.19(0.24*2)	0.19(0.24*2)	0.25(0.34*2)	0.25(0.34*2)	0.25(0.34*2)	0.34(0.45*2)	0.43(0.59*2)	1.03	1.28
Sound Pressure	220-240V/50Hz	dB(A)	32/27/25	32/27/25	35/32/26	35/32/26	36/35/30	39/32/25	39/32/25	42/39/34	42/39/34	42/39/34	43/40/35	46/40/35	52	54
	208V/60Hz	dB(A)	33/28/24	33/28/24	37/34/29	37/34/29	37/35/29	39/32/25	39/32/25	42/38/33	42/38/33	42/38/33	44/39/34	45/40/34	52	54
	230V/60Hz	dB(A)	37/33/28	37/33/28	40/38/33	40/38/33	42/40/34	43/37/30	43/37/30	44/42/37	44/42/37	44/42/37	47/43/38	46/42/38	52	54
Air Flow(Hi/Me/Lo)		m^3/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/19.5	35.5/29/24	39/31/24	58	77.5
External Static Pressure	220-240V/50Hz 208V/60Hz	Pa	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	50(80)	120(90)	120(90)	120(90)	120(90)	120(90)	220	220
	230V/60Hz	Pa	80(105)	80(105)	90(115)	90(115)	90(115)	90(115)	90(115)	170(150)	170(150)	170(150)	170(150)	170(150)	-	-
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)												Brazing	
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ 6.35	Φ9.53	Φ 9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ 15.88	Φ15.88	Φ 15.88	Φ15.88	Φ15.88	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.2
		inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	3/4	3/4	3/4	3/4	7/8
	Condensate Drain	mm	O.D.32													
Weight	Net Weight	kg	25(24*2)	25(24*2)	25(24*2)	25(24*2)	30(31*2)	30(31*2)	30(31*2)	45(44*2)	45(44*2)	45(44*2)	53(50*2)	53(50*2)	94	106
	Gross Weight	kg	31(30*2)	31(30*2)	31(30*2)	31(30*2)	36(38*2)	37(38*2)	37(38*2)	52(52*2)	52(52*2)	52(52*2)	61(59*2)	61(59*2)	106	111
Dimensions	External H	mm	270	270	270	270	270	270	270	300	300	300	300	300	470	470
	External W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75	1060	1250
	External D	mm	720	720	720	720	720	720	720	800	800	800	800	800	1120	1120
	Packaging H	mm	385	385	385	385	385	385	385	415	415	415	415	415	1345	1345
	Packaging W	mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640	1276	1466
	Packaging D	mm	870	870	870	870	870	870	870	950	950	950	950	950	546	546

NOTES:

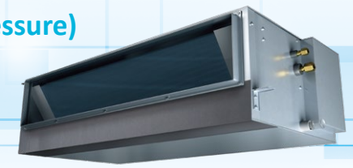
1.The nominal cooling capacity and heating capacity are based on the following conditions:
Cooling Operation Conditions
Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°C WB(66.2°F WB)
Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
Piping Length: 7.5 Meters Piping Lift: 0 Meter
Heating Operation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

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

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

*1: AC 3Φ, 380V/50Hz,*2: The value noted *2 is the parameter of the indoor units with power supply 208~230V/60Hz.

Ceiling Ducted Type (Low Static Pressure)



Model			AVD-07 HCFCL	AVD-09 HCFCL	AVD-12 HCFCL	AVD-15 HCFCL	AVD-19 HCFCL	AVD-22 HCFCL	AVD-24 HCFCL	AVD-27 HCFCL	AVD-30 HCFCL	AVD-38 HCFCL	AVD-48 HCFCL	AVD-54 HCFCL	AVD-76U X6SEL*1	AVD-96U X6SFL*1
Power Supply			AC 1Φ,220V~240V/50Hz													
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	6.3	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
		Btu/h	7,500	9,600	12,300	15,400	19,100	21,600	24,200	27,400	30,800	38,000	48,000	54,500	76,500	95,600
	Heating	kW	2.5	3.2	4.0	5.0	6.3	6.5	7.3	8.7	9.3	11.6	14.5	16.5	25.0	31.5
		Btu/h	8,500	10,900	13,700	17,100	21,600	22,200	25,000	29,600	31,800	39,500	49,500	56,500	85,300	107,500
Power Input	Cooling	W	60	60	110	110	90	160	160	240	240	240	290	360	950	1120
	Heating	W	60	60	110	110	90	160	160	240	240	240	290	360	950	1120
Sound Pressure		dB(A)	27/23/21	27/23/21	34/30/25	34/30/25	32/30/26	35/28/24	35/28/24	38/33/30	38/33/30	38/33/30	41/38/33	44/39/33	50	52
Air Flow Rate (Hi/Me/Lo)		m^3/min	9/7/6	9/7/6	12/10/8.5	12/10/8.5	15/13/10	19/14/10	19/14/10	28/24/19.5	28/24/19.5	28/24/19.5	35.5/29/24	39/31/24	58	72
External Static Pressure		Pa	30	30	30	30	30	30	30	60	60	60	60	60	100	100
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)												Brazing	
	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.2
		inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	3/4	3/4	3/4	3/4	7/8
	Condensate Drain	mm	O.D.32													
Weight	Net Weight	kg	25	25	25	25	30	30	30	45	45	45	52	52	94	106
	Gross Weight	kg	31	31	31	31	36	37	37	52	52	52	61	61	106	111
Dimensions	External H	mm	270	270	270	270	270	270	270	300	300	300	300	300	470	470
	External W	mm	650+75	650+75	650+75	650+75	900+75	900+75	900+75	1100+75	1100+75	1100+75	1400+75	1400+75	1060	1250
	External D	mm	720	720	720	720	720	720	720	800	800	800	800	800	1120	1120
	Packaging H	mm	385	385	385	385	385	385	385	415	415	415	415	415	1345	1345
	Packaging W	mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640	1276	1466
	Packaging D	mm	870	870	870	870	870	870	870	950	950	950	950	950	546	546

NOTES:

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

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

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

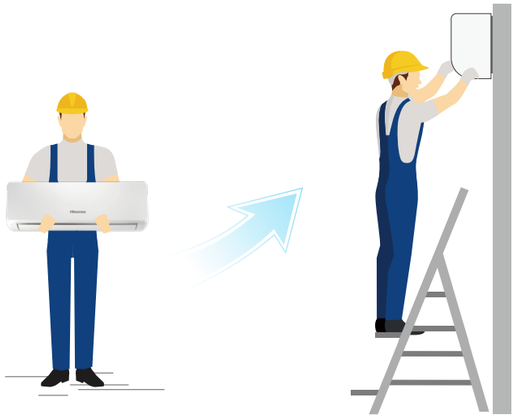
Wall Mounted Type

Sleek Smooth Design

Shiny white cover panel of the unit has an elegant aesthetic. The unit also offers LED temperature display hidden under the smooth panel and eases cleaning routine without compromising user's convenience while setting the temperature.

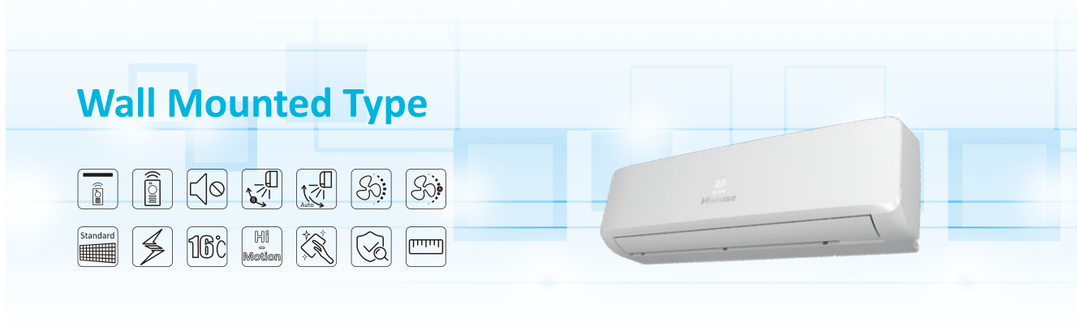
Lighter to Simplify Installation

Light weighted resins composites are used for the panels, louvers and other parts to reduce overall weight per unit for a simpler installation experience.



Flexible Piping Connection

Both refrigerant and drainage pipings are freely to connect in any direction including any sides. An additional direction to the back of the unit for refrigerant pipes to allow passing through walls.



Model			AVS-07 URCSABA	AVS-09 URCSABA	AVS-12 URCSABA	AVS-14 URCSABA	AVS-17 URCSABA	AVS-18 URCSBBA	AVS-22 URCSBBA	AVS-24 URCSBBA
Power Supply			AC 1Φ, 220V~240V/50Hz							
Model			AVS-07 UR2SABA	AVS-09 UR2SABA	AVS-12 UR2SABA	AVS-14 UR2SABA	AVS-17 UR2SABA	AVS-18 UR2SBBA	AVS-22 UR2SBBA	AVS-24 UR2SBBA
Power Supply			AC 1Φ, 220V/60Hz							
Capacity	Cooling	kW	2.2	2.8	3.6	4.0	5.0	5.6	6.3	7.1
		Btu/h	7,500	9,500	12,300	13,600	17,000	19,100	21,500	24,200
	Heating	kW	2.5	3.3	4.0	4.5	5.6	6.3	7.1	8.0
		Btu/h	8,500	11,100	13,600	15,300	19,100	21,500	24,200	27,300
Power Input	Cooling	W	50	50	60	60	65	54	62	72
	Heating	W	50	50	60	60	65	62	72	82
Sound Pressure		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
Airflow Rate		m³/min	11.0/9.8/8.7/7.7	11.0/9.8/8.7/7.7	13.8/11.0/8.7/7.7	13.8/11.0/8.7/7.7	15.0/12.5/9.8/7.7	14.8/13.0/11.2/9.7	16.8/14.9/11.9/10.3	18.7/16.4/13.4/10.8
Panel Colour		-	White	White	White	White	White	White	White	White
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)							
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53	Φ 9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8
	Gas	mm	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 12.7	Φ 15.88	Φ 15.88	Φ 15.88
		inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8
	Condensate Drain	mm	O.D.32							
Weight	Net Weight	kg	13.5	13.5	13.5	13.5	13.5	16.0	16.0	16.0
	Gross Weight	kg	17	17	17	17	17	20	20	20
Dimensions	External	H mm	315	315	315	315	315	315	315	315
		W mm	960	960	960	960	960	1120	1120	1120
		D mm	230	230	230	230	230	230	230	230
	Packaging	H mm	445	445	445	445	445	438	438	438
		W mm	1080	1080	1080	1080	1080	1238	1238	1238
		D mm	355	355	355	355	355	349	349	349

NOTES:

1. The nominal cooling capacity and heating capacity are based on the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°C WB(66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB(68°F DB).
   Outdoor Air Inlet Temperature: 7°C DB(45°F DB), 6°C WB(43°F WB)
2. The sound pressure level is based on the following conditions:
   1.1m beneath the unit and 1.0m from inlet grille.
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2dB.
   The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field.

Ceiling & Floor Type

Sleek Smooth Design

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

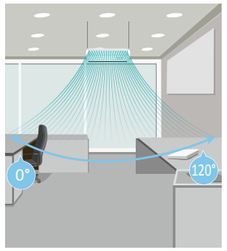
Flexible Installation

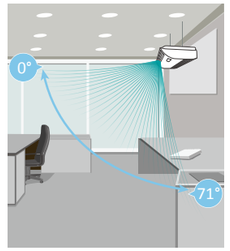
The unit can be installed to be standing on floors or hanging on ceilings. Whereby interior walls maximized to display items, can hang the unit on the ceiling.

Hanging on the wall　　Standing on the floor

3D Air Supply

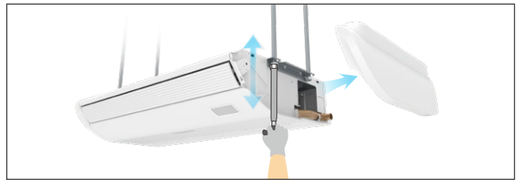
Louvers are consist of horizontal and vertical flaps to cover larger coverage area to the edges of any rooms. Wider opening angle from up to 120° for vertical louvers and up to 71° for horizontal louvers supply air further and lower down to floor needed during heating modes.

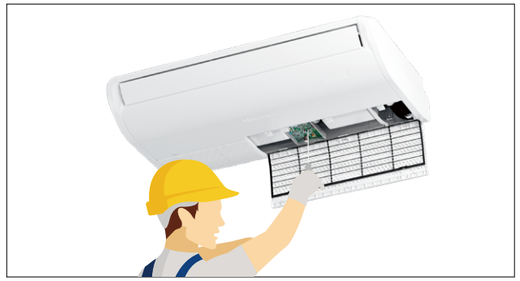


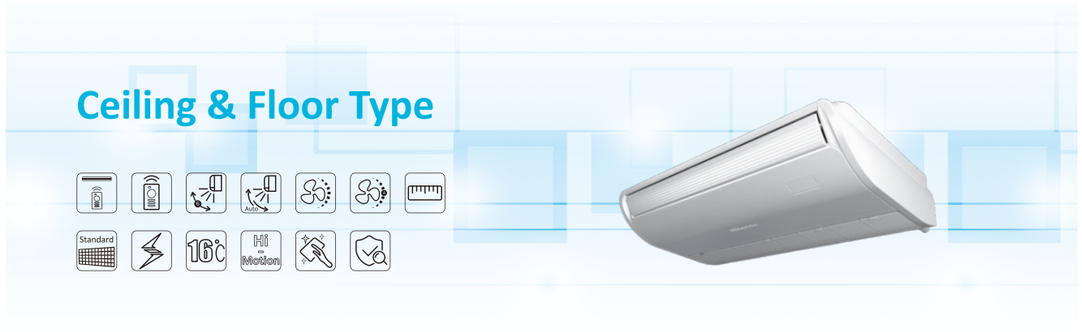


Convenient Installation and Maintenance

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







Model			AVV-17URSCA	AVV-18URSCA	AVV-22URSCA	AVV-24URSCA	AVV-27URSCB	AVV-30URSCB	AVV-38URSCB	AVV-48URSCC
Power Supply			AC 1Φ,220V~240V/50Hz/60Hz							
Capacity	Cooling	kW	5.0	5.6	6.3	7.1	8.4	9.0	11.2	14.2
		Btu/h	17,100	19,100	21,500	24,200	28,700	30,700	38,200	48,500
	Heating	kW	5.6	6.5	7.5	8.5	9.6	10.0	13.0	16.3
		Btu/h	19,100	22,200	25,600	29,000	32,800	34,100	44,400	55,600
Power Input	Cooling	W	40	40	70	70	70	80	130	160
	Heating	W	40	40	70	70	70	80	130	160
Sound Pressure	Ceiling	dB(A)	39/35/30	39/35/30	45/41/37	45/41/37	43/39/34	45/40/36	51/46/40	50/46/42
	Floor	dB(A)	43/38/35	43/38/35	48/44/40	48/44/40	46/41/37	48/43/39	54/49/43	55/50/46
Airflow Rate		m³/min	13.0/11.0/9.0	13.0/11.0/9.0	16.1/14.0/11.3	16.1/14.0/11.3	18.2/15.2/12.2	19.4/16.3/13.3	24.8/20.5/16.3	33.0/28.0/23.0
Speed-up Setting HH1		m³/min	14.2	14.2	17.8	17.8	19.8	21.2	27.0	36.0
Speed-up Setting HH2		m³/min	16.0	16.0	20.0	20.0	22.3	23.5	29.2	37.4
Panel Colour		-	Neture White	Neture White	Neture White	Neture White	Neture White	Neture White	Neture White	Neture White
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)							
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53
		inch	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88	Φ 15.88
		inch	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Condensate Drain	mm	O.D.32							
Weight	Net Weight	kg	31	31	32	32	39	40	41	47
	Gross Weight	kg	38	38	39	39	46	47	48	56
Dimensions	External	H mm	230	230	230	230	230	230	230	230
		W mm	990	990	990	990	1285	1285	1285	1580
		D mm	680	680	680	680	680	680	680	680
	Packaging	H mm	340	340	340	340	340	340	340	340
		W mm	1110	1110	1110	1110	1400	1400	1400	1690
		D mm	830	830	830	830	830	830	830	830

NOTES:

1. The nominal cooling capacity and heating capacity are based on the following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB(80°F DB), 19.0°C WB(66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB(95°F DB)
   Piping Length: 7.5 Meters　Piping Lift: 0 Meter
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB(68°F DB).
   Outdoor Air Inlet Temperature: 7°C DB(45°F DB), 6°C WB(43°F WB)
2. The sound pressure level is based on the following condations:
   1.0m beneath the unit,1.0m from Discharge Grille.
   The above data was measured in an anechoic chamber so that the reflected sound should be taken into consideration in the field. When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

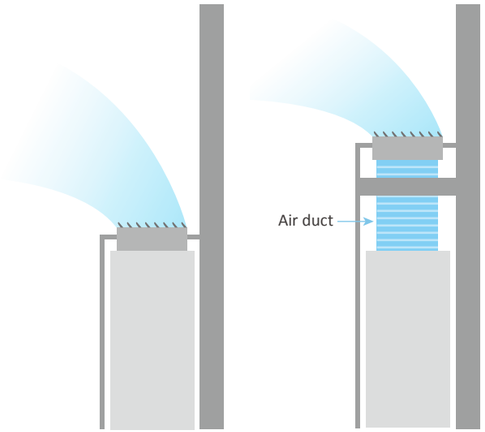
Floor Concealed Type

Space Saving

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

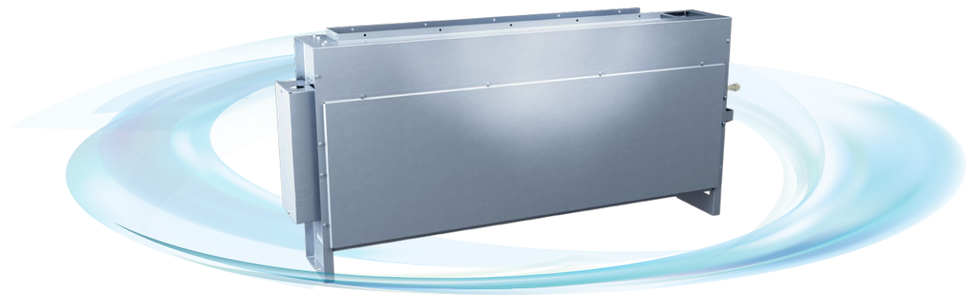
Flexible Installation

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



Easy to Clean

The floor concealed unit has the smooth appearance which provides the convenience for users to clean. On the other hand, the smooth appearance is also not easy to storage the dust and can keep clean that is very important for the floor concealed unit.



Floor Concealed Type

Model			AVH-09UXCSAA	AVH-14UXCSAA	AVH-18UXCSBA	AVH-24UXCSBA
Power Supply			AC 1Φ, 220V~240V/50Hz			
Model			AVH-09UX2SAA	AVH-14UX2SAA	AVH-18UX2SBA	AVH-24UX2SBA
Power Supply			AC 1Φ, 220V/60Hz			
Capacity	Cooling	kW	2.8	4.3	5.6	7.1
		Btu/h	9,600	14,700	19,100	24,200
	Heating	kW	3.3	4.9	6.5	8.5
		Btu/h	11,300	16,700	22,200	29,000
Power Input	Cooling	W	50	80	90	120
	Heating	W	50	80	90	120
Sound Pressure		dB(A)	34/31/27	40/36/34	41/36/32	44/40/36
Airflow Rate		m³/min	8.5/7.5/6.3	10.3/9.0/8.0	14.8/12.3/10.5	16.3/13.8/11.8
Piping	Connection Type	-	Flare-nut Connection(with Flare Nuts)			
	Liquid	mm	Φ 6.35	Φ 6.35	Φ 6.35	Φ 9.53
		inch	1/4	1/4	1/4	3/8
	Gas	mm	Φ 12.7	Φ 12.7	Φ 15.88	Φ 15.88
		inch	1/2	1/2	5/8	5/8
	Condensate Drain	mm	O.D.32			
Weight	Net Weight	kg	18	22	26	27
	Gross Weight	kg	30	31	37	37
Dimensions	External	H mm	620	620	620	620
		W mm	948+139	948+139	1218+139	1218+139
		D mm	202	202	202	202
	Packaging	H mm	675	675	675	675
		W mm	1160	1160	1430	1430
		D mm	240	240	240	240

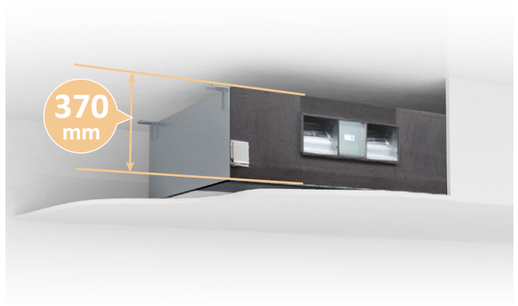
NOTES:

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

All Fresh Air Indoor Unit

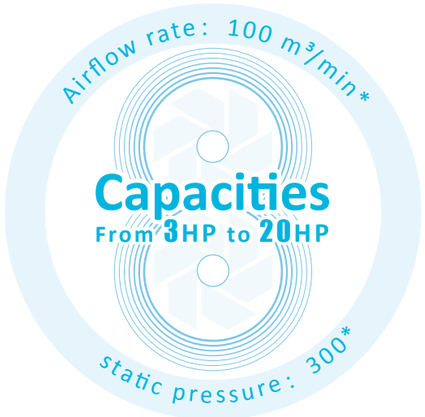
Space Saving

Fresh air unit consising of height of 370mm only requires small amount of ceiling space and fits into complicated kitchen ceilings with various exhaust duct connections.



Larger Airflow Rate & Static Pressure Options

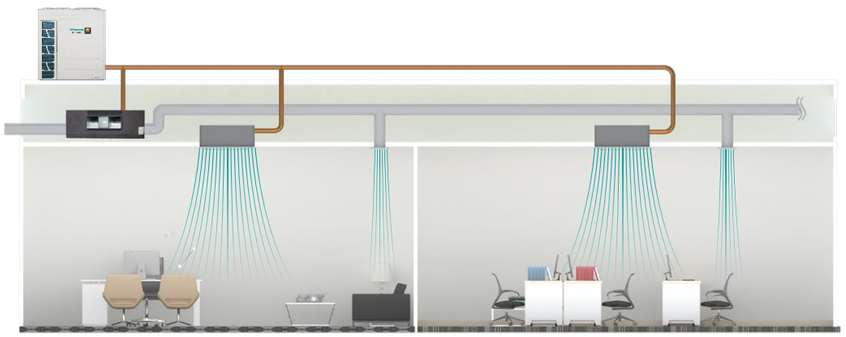
The total amount of fresh air units could be reduced with larger capacity, large airflow rate per unit. With the reduced amount of units, fresh air ducts often need to be supply to the furthest room. Hence achievable with high static pressures offered.



*Note: only specific model can reach this figure.

Simple & Flexible Piping System

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



All Fresh Air Indoor Unit

Model			AVA-30UX CSCH-70	AVA-48UX CSQH-108	AVA-76UX CSRH-168	AVA-96UX CSRH-210	AVA-114UX 6SRH-300	AVA-154UX 6SSH-400	AVA-190UX 6SSH-500	AVA-190UX 6STH-600
Power Supply			AC 1Φ,220V~240V/50Hz				AC 3Φ,380V~415V/50Hz			
Model			AVA-30UX 2SCH-70	AVA-48UX 2SQH-108	AVA-76UX 2SRH-168	AVA-96UX 2SRH-210	—			
Power Supply			AC 1Φ,220V/60Hz				—			
Capacity	Cooling	kW	9.0	14.0	22.4	28.0	33.5	45.0	56.0	56.0
		Btu/h	30,700	47,800	76,500	95,600	114,300	153,600	191,100	191,100
	Heating	kW	8.6	13.7	21.9	24.5	26.8	36.0	44.8	44.8
		Btu/h	29,400	46,800	74,700	83,600	91,500	122,900	152,900	152,900
Power Input	Cooling	W	150	330	490	510	740	1120	1330	1620
	Heating	W	150	330	490	510	740	1120	1330	1620
Sound Pressure		dB(A)	32	43	45	46	56	61	64	66
Airflow Rate		m³/min	11.0	18.0	28.0	35.0	50.0	66.7	83.3	100.0
External Static Pressure		Pa	60(120)	200	220	220	220	300	320	300
Piping	Liquid	mm	Φ 9.53	Φ 9.53	Φ 9.53	Φ 9.53	Φ 12.7	Φ 12.7	Φ 15.88	Φ 15.88
		inch	3/8	3/8	3/8	3/8	1/2	1/2	5/8	5/8
	Gas	mm	Φ 15.88	Φ 15.88	Φ 19.05	Φ 22.2	Φ 25.4	Φ 25.4	Φ 28.6	Φ 28.6
		inch	5/8	5/8	3/4	7/8	1	1	1-1/8	1-1/8
Weight	Net Weight	kg	46	60	97	97	97	196	222	222
	Gross Weight	kg	51	64	117	117	117	240	267	267
Dimensions	External	H mm	370	370	486	486	486	635	735	735
		W mm	920	1320	1270	1270	1270	1950	1950	1950
		D mm	800	800	1069	1069	1069	805	805	805
	Packaging	H mm	390	390	1290	1290	1290	816	916	916
		W mm	1112	1512	1466	1466	1466	2213	2213	2213
		D mm	922	922	540	540	540	1006	1006	1006
Temperature Range of Fresh Air		-	Cooling: 20°C~43°C, Heating: -5°C~15°C							

NOTES:

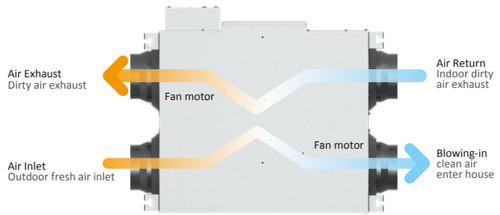
1. The nominal cooling capacity and heating capacity are based on following conditions Cooling operation conditions: 33°C DB, 28°C WB, piping length: 7.5m, piping lift: 0m Heating operation conditions: 0°C DB, -2.9°C WB, piping length: 7.5m, piping lift: 0m (Heating capacity is tested when defrosting is not available)
2. The sound pressure level is based on following conditions: 1.5 Meter beneath the unit. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the filed.
3. An air filter with duct collection efficiency more than 50% needs to be attached to the duct system of the suction side at site.
4. Under cooling mode,when outdoor temperature is lower than 20°C,the system will automatically shift to ventilation operation; Under heating mode, when outdoor temperature is higher than 15°C the system will automatically shift to ventilation operation; In case inlet temperature is below -5°C all fresh air unit will stop.

Heat Recovery Ventilator

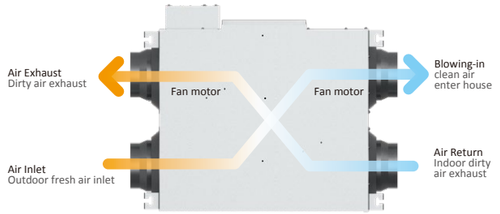
Compact Machine, Convenient Installation.

The thickness of machine 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, it is more convenient for construction.

Airflow System



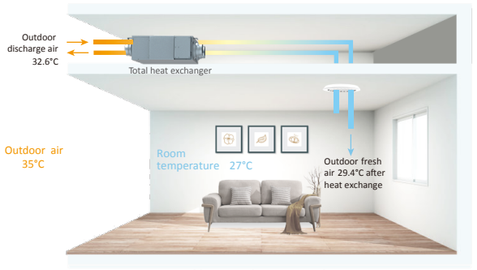
HKF-15B2EC~HKF-100B2EC



HKF-150B2EE~HKL-500B2EE

Energy Saving Analysis

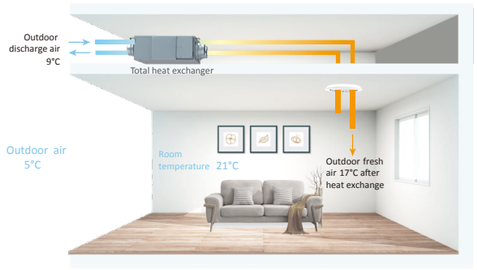
Summer Energy Saving Analysis



Total heat exchanger mode

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

Winter Energy Saving Analysis

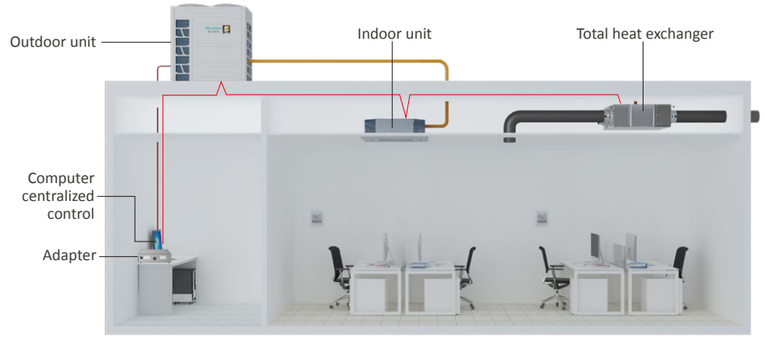


Total heat exchanger mode

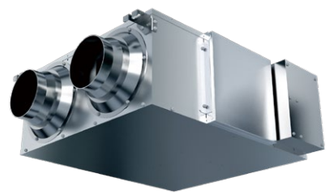
In winter operation, when the heat energy of 21°C air discharged from indoor pass through the heat exchanger, the 5°C outdoor cold air is pre-heated to 17°C fresh air and supplied to indoors, as shown above, when outdoor 5°C air and indoor 21°C air pass through the HRV, the fresh air supplied to indoors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

Centralized Control System

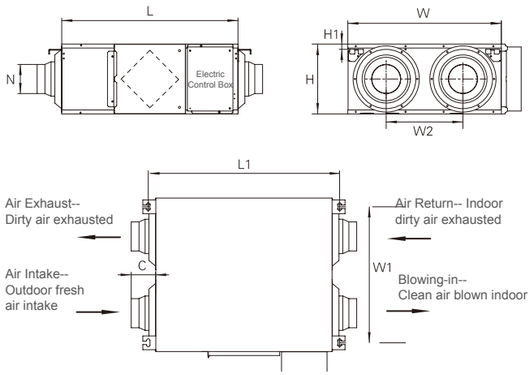
Hisense centralized control type total heat exchanger products can be connected to the centralized control system of Hisense air conditioning, achieve the linkage with air conditioning system and centralized control, so the operation is more convenient and more intelligent!



HKF-15B2EC



Product Dimensions



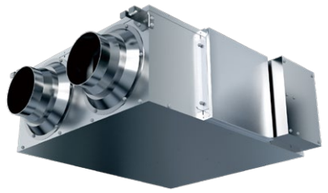
Model	L	L1	W	W1	W2	H	C	N	H1
HKF-15B2EC*	665	723	580	514	290	265	90	Φ144	20

Technical Parameters

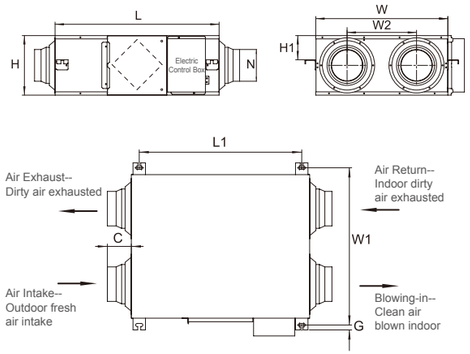
Model	Air Volume m³/h			Enthalpy Efficiency (Summer) η1			Enthalpy Efficiency (Winter) η1			External Static Pressure Pa			Power Supply	Input Current A			Input Power KW			Noise Level dB(A)			Weight kg
	High	Middle	Low	High	Middle	Low	High	Middle	Low	High	Middle	Low		High	Middle	Low	High	Middle	Low	High	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

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

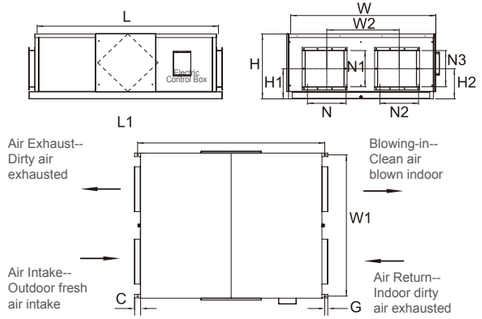
Technical Parameters

Model	Air Volume m³/h			Enthalpy Efficiency (Summer) ηi			Enthalpy Efficiency (Winter) ηi			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

*: AC 1Φ220V/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

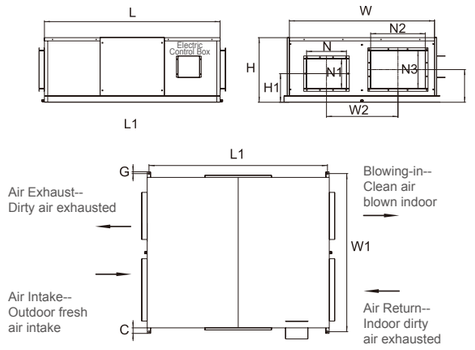
Technical Parameters

Model	Air Volume m³/h	Enthalpy Efficiency (Summer) ηi	Enthalpy Efficiency (Winter) ηi	External Static Pressure Pa	Power Supply	Input Current A	Input Power KW	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	380~415V/50Hz	2.89	2×0.52	49	172

* : AC 3Φ220V/60Hz HKF-150B2E9 HKF-200B2E9 AC 3Φ380V/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

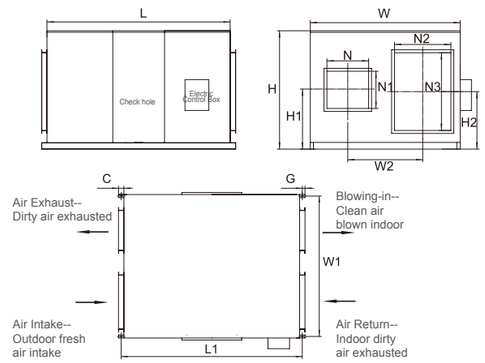
Technical Parameters

Model	Air Volume m³/h	Enthalpy Efficiency (Summer) ηi	Enthalpy Efficiency (Winter) ηi	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	380~415V/50Hz	5.12	2×1.16	56	222

* : AC 3Φ220V/60Hz HKF-250B2E9 HKF-300B2E9 AC 3Φ380V/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) ηi	Enthalpy Efficiency (Winter) ηi	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	380~415V/50Hz	8.78	2×2.2	58	321

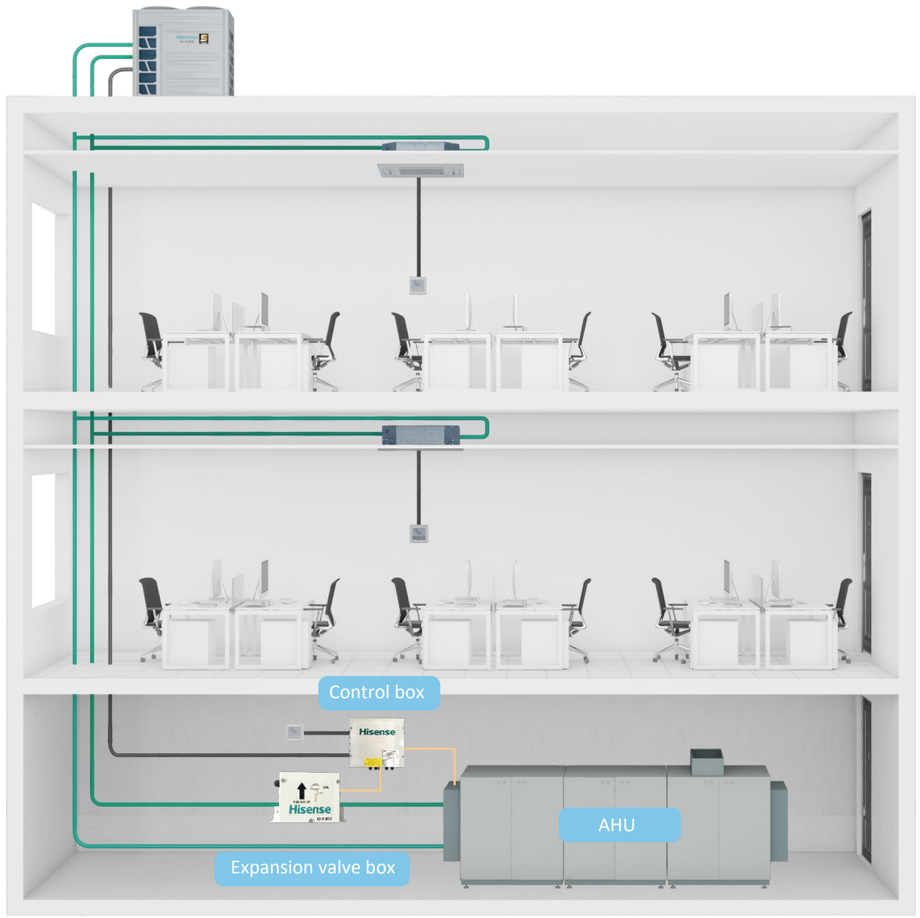
* : AC 3Φ220V/60Hz HKF-400B2E9 HKF-500B2E9 AC 3Φ380V/60Hz HKF-400B2EF HKF-500B2EF

AHU Connection KIT

Main Function

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

Communication wire Sensor signal Refrigerant pipe



Hi-FLEXi 5 mavo

AHU Connection KIT

AHU Connection KIT			HZX-2.0 AEC	HZX-4.0 AEC	HZX-6.0 AEC	HZX-10.0 AEC		HZX-20.0 AEC					HZX-30.0 AEC				
Power Supply			AC 1Φ,220V~240V/50Hz,220V~240V/60Hz														
Nominal Capacity of AHU		HP	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
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	56.0	61.5	69.0	73.0	80.0
		kW	5.0	9.0	14.0	20.0	25.0	30.0	35.0	43.0	48.0	52.0	58.0	65.0	71.0	76.0	82.0
		kW	5.6	11.2	16.0	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	69.0	73.0	80.0	85.0
	Heating	kW	4.5	8.0	12.5	17.9	22.4	31.5	37.5	45.0	50.0	56.0	63.0	69.0	77.5	82.5	90.0
		kW	5.6	10.0	16.0	22.4	28.0	33.5	40.0	47.5	53.0	60.0	66.0	75.0	79.0	86.0	92.0
		kW	7.1	12.5	18.0	25.0	31.5	37.5	45.0	50.0	56.0	63.0	69.0	77.5	82.5	90.0	95.0
Heat Exchanger Volume	Min	dm^3	0.57	1.03	1.92	2.92	3.89	4.76	5.85	6.79	7.57	8.47	9.04	9.50	10.39	11.39	12.36
	Max	dm^3	1.16	2.37	2.92	3.89	4.76	5.91	6.89	8	8.92	9.97	11.13	12.34	12.89	13.86	14.73
Equivalent Indoor Unit Capacity		HP	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
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					HZX-20.0 AEC/2 2set				

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

Hisense VRF

CONTROLLER

- Independent Controller
- Centralized Controller
- Hi-Mit
- Hi-Dom
- Building Management System
- Accessory

mavo

Individual Control

Model	Wired Controller					Wireless Controller	Central Controller	
	HYXM-VB01	HYXE-VA01	HYXE-M01H	HYXE-J01H	HYXE-S01H	HYE-W01	HYJ-J01H	HYJM-S01H
Picture								
Max. connectable indoor units	6	16	6	16	16	-	128	160
Cooling/Heating/Auto	●	●	●	●	●	●	○	●
Dehumidification	●	●	●	●	●	○	○	●
Fan speed	●	●	●	●	●	●	○	●
Louver setting	●	●	●	●	●	●	○	●
Temperature setting	●	●	●	●	●	●	○	●
Operation monitoring	●	●	●	●	●	●	○	●
24-hour timer	●	●	●	●	●	●	○	●
7-day timer	●	○	○	●	○	○	○	●
Holiday setting	●	○	○	●	○	○	○	●
Main-sub control	●	●	●	●	○	○	○	○
Check function	●	●	●	●	●	○	○	○
Air filter cleaning reminding	●	●	●	●	●	○	○	●
Error code history display	●	●	●	●	●	○	○	●
Auto test run	●	●	●	●	●	●	○	○
Indoor/Outdoor PCB checking	●	●	●	●	●	○	○	○
Self diagnostic function	●	●	●	●	●	●	●	●
Back light	●	●	●	●	●	●	○	●
Built-in temperature sensor	○	●	○	●	○	○	○	○
Wireless control available	●	○	●	○	○	○	○	○
Louver controlled independently	●	●	○	●	○	○	○	○
Breeze mode	●	●	○	●	○	○	○	○
Motion sensor	●	●	●	●	○	○	○	○
Health(air pure)	●	●	●	●	○	●	○	○
Hi-Motion	●	○	○	●	○	○	○	○
ECO(energy saving)	●	●	●	●	○	●	○	●
Mute	●	●	●	●	●	●	○	○
Sleep	●	●	●	●	○	●	○	○
Window contact design	●	●	○	●	○	○	○	○
3D-air flow	●	●	●	●	○	●	○	○

Remarks: ● Available ○ Unavailable

Type		Wired Controller					Wireless Controller
Model		HYXE-VA01	HYXE-J01H	HYXM-VB01	HYXE-M01H	HYXE-S01H	HYE-W01
Picture							
Indoor Unit	4-Way Cassette	●	●	●	●	●	●
	Mini 4-Way Cassette	●	●	●	●	●	●
	1-Way Cassette	●	●	●	●	○	●
	2-Way Cassette	●	●	●	●	○	●
	Ceiling Ducted Type(AC/DC)	●	●	●	●	●	●
	Ceiling Ducted Type(High/low)	●	●	●	●	●	●
	Console	●	●	●	●	●	▲
	Wall Mounted Type	●	●	●	●	●	▲
	Ceiling & Floor Type	●	●	●	●	●	▲
	Floor Concealed Type	●	●	●	●	○	●
	All Fresh Air	●	●	●	●	●	●
	Heat Recovery Ventilator	●	●	●	▲	●	○

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

Remarks: ● Optional ○ Incompatible ▲ Standard

Wired Controller

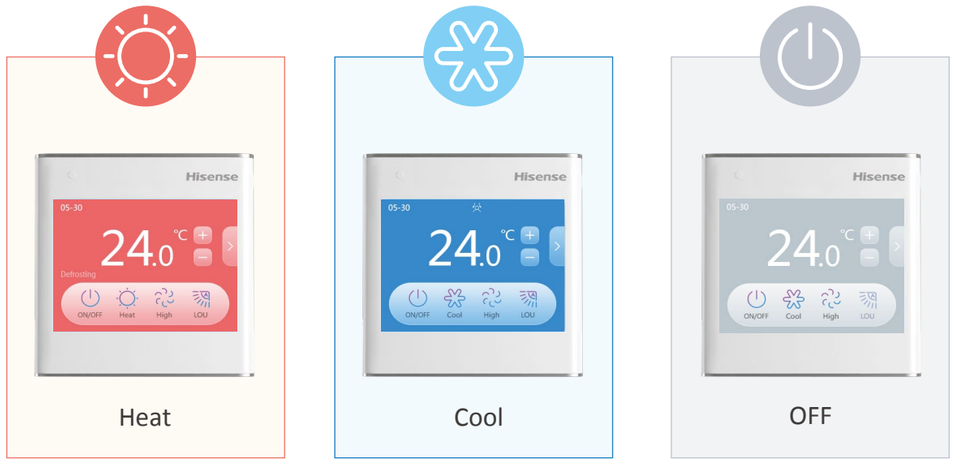
HYXM-VB01

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

Features

- Size:86mm×90mm
- Max. connectable indoor units:6
- LCD display
- Touch screen
- Language:
  VB01: English,Turkish,Russian, German, Arabic,Spanish
  VB01#01: English,French,Italian, Dutch,Polish,Thai

Colorful Screen



HYXE-VA01

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

Features

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

HYXE-M01H

Mode	Cool/Heat/Auto/Fan/Dry/ECO/Mute/Sleep
Timer	72-hour timer
Maintenance	Error code / Parameter check/Auto test run/ Self diagnostic function/Indoor & Outdoor PCB checking
Louver	7 Louver setting/3D-air flow
Special function	Motion sensor/Health
Fan speed	6
Temperature control	•
Main-sub control	•
Air filter cleaning reminding	•
Back light	•
Wireless control available	•

Features

- Size:86mm×86mm
- Max. connectable indoor units:6
- LCD display
- Touch button

HYXE-J01H

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

Features

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

  HYXE-J01H: English, Arabic.

  HYXE-J01H1: English, Spanish, Italian, German, Polish.

  HYXE-J01H2: English, Turkish, Russian, French, Dutch

HYXE-S01H

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

Features

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

Wireless Controller

HYE-W01

Mode	Cool/Heat/Auto/Fan/Dry/ECO/Mute/Sleep
Timer	24-hour
Maintenance	Auto test run/Self diagnostic function
Louver	Louver setting/3D-air flow
Special function	Health
Fan speed	6
Temperature control	•
Back light	•

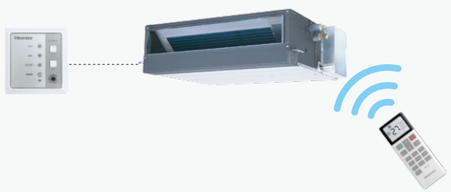
Features

- Size:145mm×55mm
- LCD display

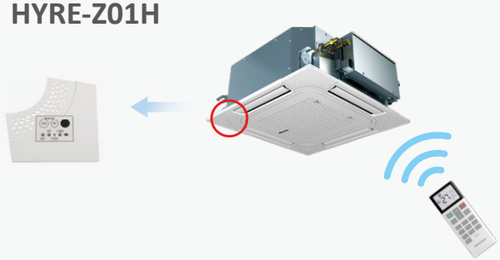
Receiver Kit for Wireless Control-Optional

HYRE-X01H

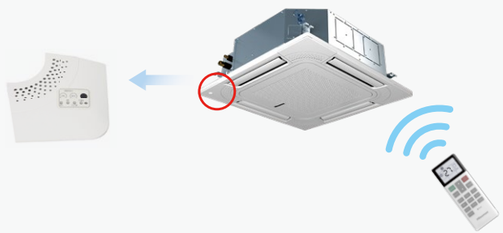
HYRE-V02H



HYRE-Z01H



HYRE-T03H



Centralized Control

HYJM-S01H

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

Features

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

ON/OFF Controller
HYJ-J01H

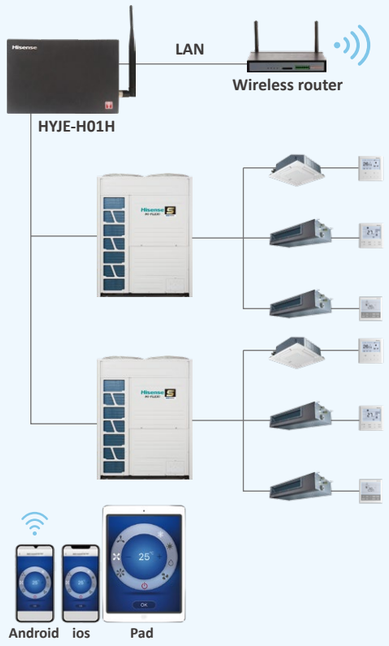
Group control (ON/OFF)
Indoor unit power OFF reminder
Indoor units Auto log in
Error reminder

Features

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

Intelligent Control

Hi-Mit



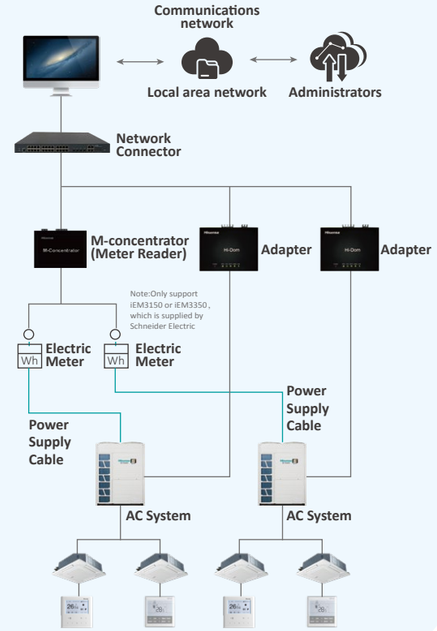
Features

- ON/OFF, mode, temperature, fan speed
- Weekly timer
- Alarm display
- Profiles setting, e.g off home and energy-saving model
- Max.32 indoor units can be controlled
- Max.4 IPAD/smart phone online at same time

Specifications

Model	Power Supply	Maximum Operating Current
HYJE-H01H	AC 110~240V 50/60Hz	10mA (220 V)

HI-DOM



Features

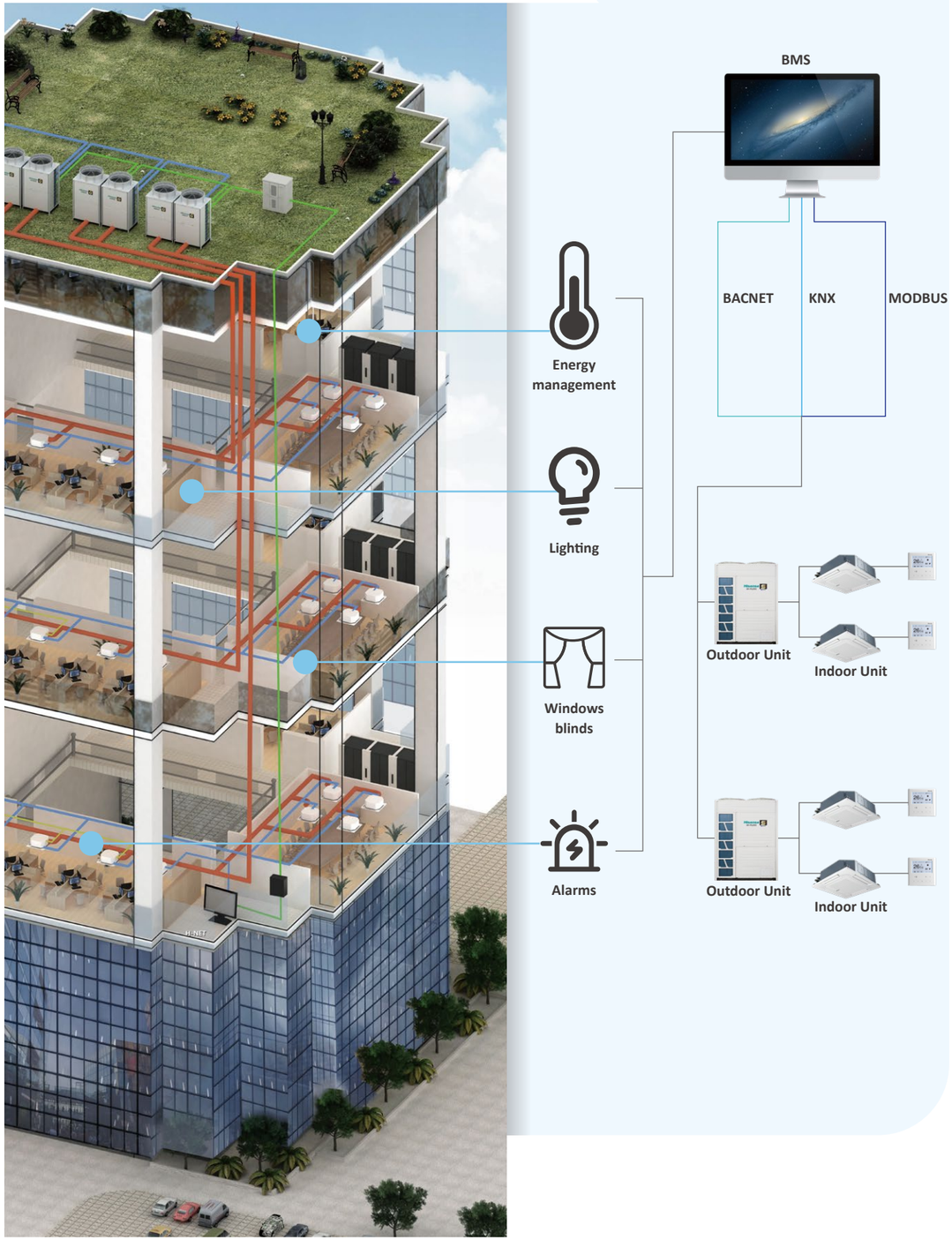
- User management
- AC control(on-off,mode,temp,air flow)
- AC locked control(running forbidden control, the max. and min. temp and cooling/heating locked.)
- Running according to timer
- Malfunction history check
- Running record display
- Data synchronize
- Electricity consumption allocation
- One Hi-DOM controls 128 indoor units
- Max.4096 indoor units can be controlled

Specifications

	Model	Power Supply	Dimension	Charging Function
Adapter (Hi-Dom)	HCCS-H128H2C1YM HCCS-H247R4C1E	DC 12V	180x110x40mm	With charging function ————
	HCCS-H128H2C1NM	DC 12V	180x110x40mm	Without charging function

Note:HCCS-H247R4C1E is an meter reader for HCCS-H128H2C1YM to charging.

Building Management System



KNX

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

Features

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

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

MODBUS

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

Features

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

BACNET

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

Features

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

Accessory

Hi-Motion

Model	Applicable Models	Picture
HCM-S01E	all indoor unit except 4-Way cassette type and mini 4-way cassette type	

Motion Sensor

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

Fresh Air Duct Adapter

Model	Applicable Models	Picture
HFL-56CSA	4-Way cassette type and mini 4-Way cassette type	

Humidity Sensor

Model	Applicable Models	Picture
HCHR-S01E	4-Way cassette type, Console,Ceiling Ducted Type	

Filter

Filter model	Filter Dimension	Frame Dimension
HF-224L-FE	782×165mm	1055×463mm
HF-280L-FE	1050×165mm	1245×463mm
HF-40L-ZFE	690×165mm	722×191mm

Drain Pump

Model	Applicable Models	Power Supply
HPS-F133E	AVD-07-24HCFCH / AVD-07-24HCFCL	220-240V/50Hz
HPS-F363E	AVD-27-54HCFCH / AVD-27-54HCFCL	
HPS-F134E	AVD-07-24H3FCH	208-230V/60Hz
HPS-F364E	AVD-27-54H3FCH	

Note：For Low/High Ceiling Ducted Type only.

3D Air-flow Panel

Panel Model	Applicable Models	Outer Dimensions (H×W×D)	Interface Dimension(H×W)
HP-DB-NA	For ceiling ducted type (DC / AC low-height) 0.8-1.5HP	180×950×70mm	750×130mm
HP-EB-NA	For ceiling ducted type (DC / AC low-height) 1.8-2.5HP	180×1220×70mm	1020×130mm

Hisense VRF

Reimagine your solution