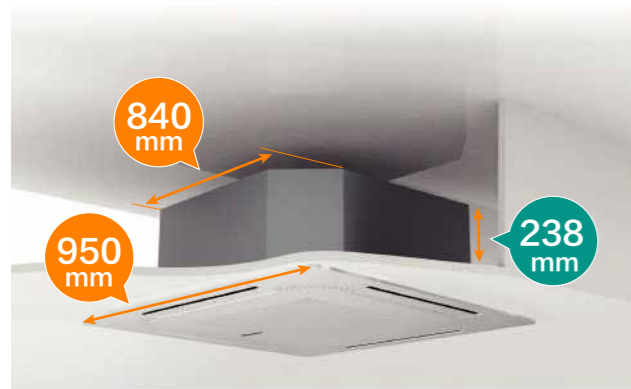


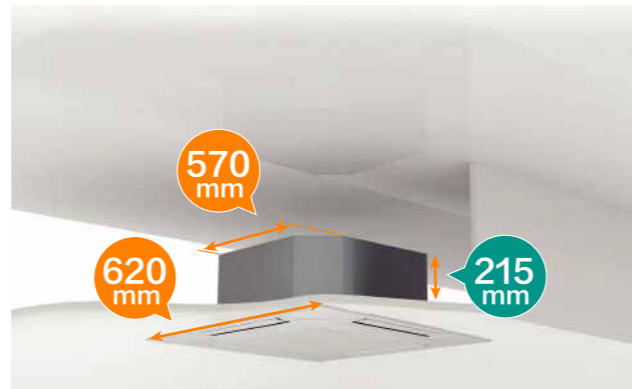
4-Way Cassette Type Mini 4-Way Cassette Type

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.



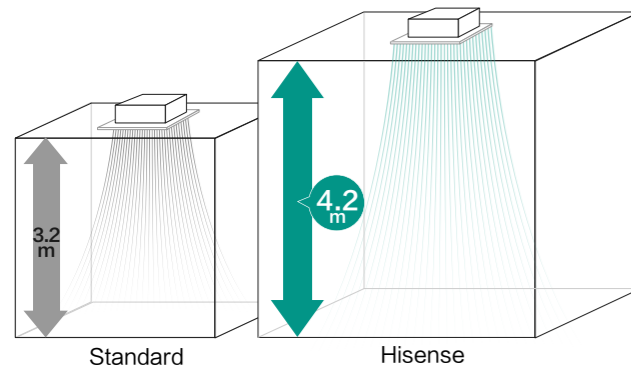
4-way Cassette Type



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.

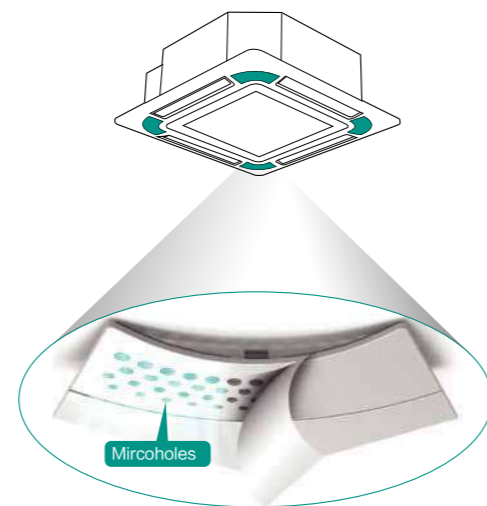


Standard

HiSense

Breeze Mode

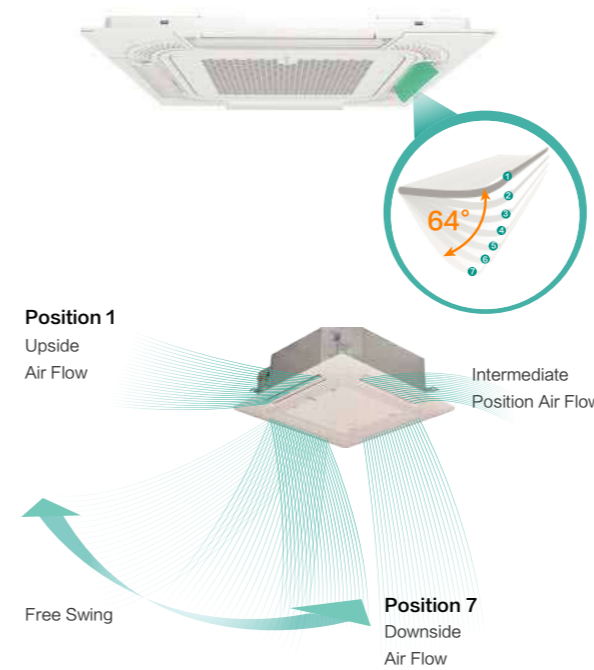
Under the new designed breeze mode, the cold air is blown out from the microholes in the panel, and the unit is working in a mute mode, which can avoid blowing air directly on people and achieve more even and comfortable airflow.



Microholes

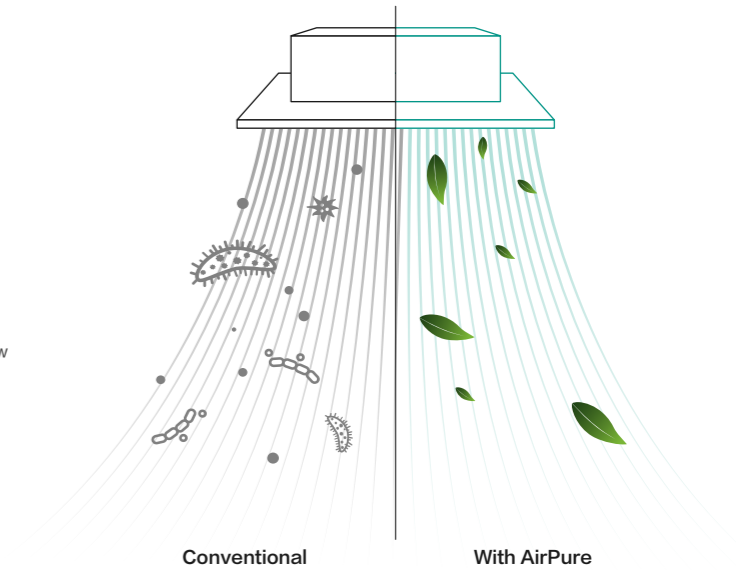
Individual Louvers Control

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



AirPure

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 bacteria, virus and allergens floating in the air.

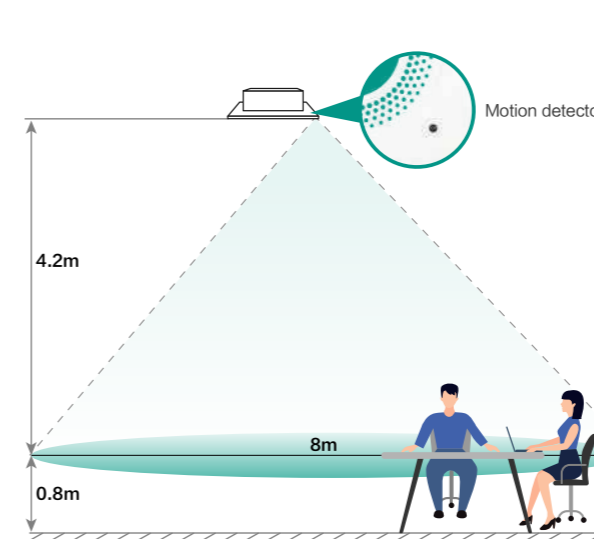


Conventional

With AirPure

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 vice versa. Meeting comfort and using energy only when necessary.



Motion detector

4.2m

8m

0.8m

Direct Blow

Avoid Direct Blow

Auto on

Auto off

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 1 φ, 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
Capacity	Heating	kW	3.2	4.0	5.0	6.3	7.1	8.0	9.0	10.0	12.5	16.0	18.0
		Btu/h	10,900	13,700	17,100	21,500	24,200	27,300	30,700	34,100	42,700	54,600	61,400
Power Input	Cooling	W	14	24	24	34	54	64	54	54	124	124	124
		Heating	W	14	24	24	34	54	64	54	54	124	124
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
			15.0/13.4/ 10.0/8.8	17.0/14.0/ 10.8/9.1	21.0/16.0/ 14.9/13.6/	22.0/17.5/ 15.9/15.5/	26.0/20.0/ 18.3/17.0/	27.0/21.0/ 19.1/18.0/	27.0/22.0/ 20.3/18.7/	27.0/23.0/ 20.7/19.6/	37.0/30.0/ 27.4/24.8/	37.0/33.5/ 29.6/27.2/	37.0/34.0/ 30.7/28.9/
Airflow Rate		m ³ /min	12.0/10.8/ 10.0/8.8	12.8/11.8/ 10.8/9.1	14.9/13.6/ 12.7/11.2	15.9/15.5/ 13.6/12.5	18.3/17.0/ 15.1/13.0	19.1/18.0/ 16.3/14.7	20.3/18.7/ 16.8/15.4	20.7/19.6/ 17.7/16.1	27.4/24.8/ 24.5/22.4	29.6/27.2/ 25.6/23.8	
			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	φ12.70	φ12.70	φ12.70	φ12.70	φ12.70	φ15.88	φ15.88	φ15.88	φ15.88	φ15.88	φ15.88
		inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
Condensate Drain	mm	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
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
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	
	Panel Colour	Neutral White											
Decoration	Body	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
Panel	Packaging	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

Notes:

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

Mini 4-Way Cassette Type



Model	AVC-05HJFA	AVC-07HJFA	AVC-09HJFA	AVC-12HJFA	AVC-15HJFA	AVC-17HJFA	AVC-19HJFA		
Power Supply	AC 1 φ, 220-240V/50Hz/60Hz								
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.6	
		Btu/h	5,100	7,480	9,520	12,240	15,300	17,000	19,040
Capacity	Heating	kW	2.0	2.5	3.3	4.2	5.0	6.3	
		Btu/h	6,800	8,500	11,220	14,280	17,000	19,040	21,420
Power Input	Cooling	W	14	14	14	16	22	30	40
		Heating	W	14	14	14	16	22	30
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	
		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
	Gas	inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4
		mm	φ12.70	φ12.70	φ12.70	φ12.70	φ12.70	φ12.70	φ12.70
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
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
Model	-		HPE-D-NK	HPE-D-NK	HPE-D-NK	HPE-D-NK	HPE-D-NK	HPE-D-NK	
	Panel Colour	Neutral White							
Decoration	Body	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
Panel	Packaging	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

Notes:

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

1-Way Cassette 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.



Even 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.



Easier Maintain

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



1-Way Cassette Type



Model		AVY-07UXJSJA	AVY-09UXJSJA	AVY-12UXJSJA	AVY-14UXJSJA	AVY-18UXJSKA	AVY-24UXJSKA	
Power Supply		AC 1Φ, 220-240V/50Hz/60Hz						
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
Power Input	Heating	kW	2.5	3.2	4.0	5.0	6.3	8.0
		Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
Sound Pressure	Cooling	W	14	14	24	34	34	74
	Heating	W	14	24	34	44	44	94
Airflow Rate								
Airflow Rate		m ³ /min	6.2/5.9/5.6/	6.6/6.2/5.6/	8.3/7.3/6.8/	8.3/7.3/6.8/	12.1/9.9/8.8/	15.6/12.6/11.2/
			5.1/4.8/4.6	5.1/4.8/4.6	6.2/5.6/5.1	6.2/5.6/5.1	8.2/7.8/6.6	9.9/8.4/7.1
Connection Type		Flare-nut Connection (with Flare Nuts)						
Piping	Liquid	mm	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8
	Gas	mm	φ12.70	φ12.70	φ12.70	φ12.70	φ12.70	φ15.88
		inch	1/2	1/2	1/2	1/2	1/2	5/8
Condensate Drain	mm	I.D.32						
Weight	Net Weight	kg	19	19	20	20	24	24
	Gross Weight	kg	23	23	24	24	29	29
Dimensions	External	H mm	192	192	192	192	192	192
		W mm	910	910	910	910	1180	1180
		D mm	470	470	470	470	470	470
	Packaging	H mm	268	268	268	268	268	268
		W mm	1136	1136	1136	1136	1406	1406
		D mm	574	574	574	574	574	574
Model		HP-D-NA	HP-D-NA	HP-D-NA	HP-D-NA	HP-E-NA	HP-E-NA	
Panel Colour		Neutral White						
Body	H mm	55	55	55	55	55	55	
	W mm	1100	1100	1100	1100	1370	1370	
	D mm	550	550	550	550	550	550	
Decorations	H mm	130	130	130	130	130	130	
	W mm	1160	1160	1160	1160	1430	1430	
	D mm	610	610	610	610	610	610	
Panel	Net Weight	kg	5	5	5	5	6	6
	Gross Weight	kg	8	8	8	8	10	10

Notes:

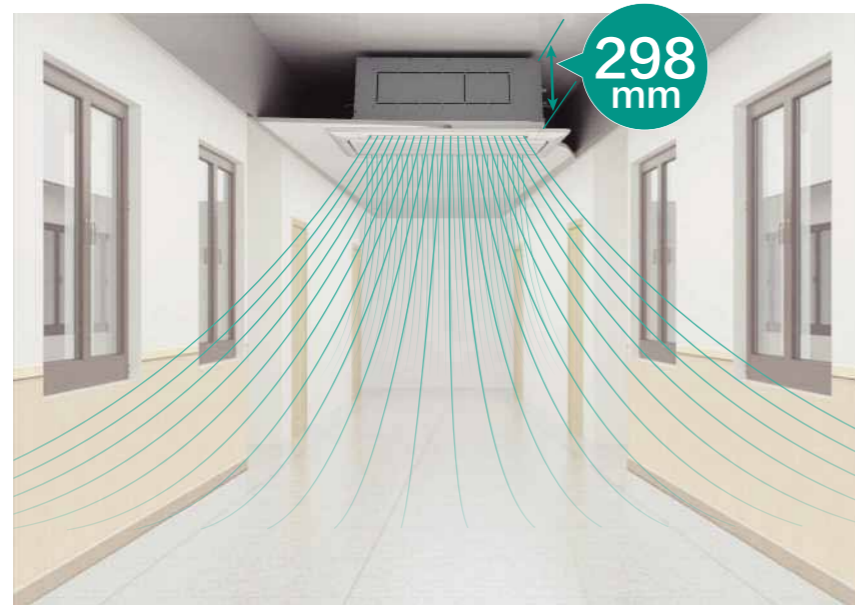
1. The nominal cooling capacity is based on the following conditions:
 Indoor Air Inlet Temperature: 27°C DB (80°F DB), 19.0°C WB (66.2°F WB)
 Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
 Piping Length: 7.5 Meters Piping Lift: 0 Meter

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

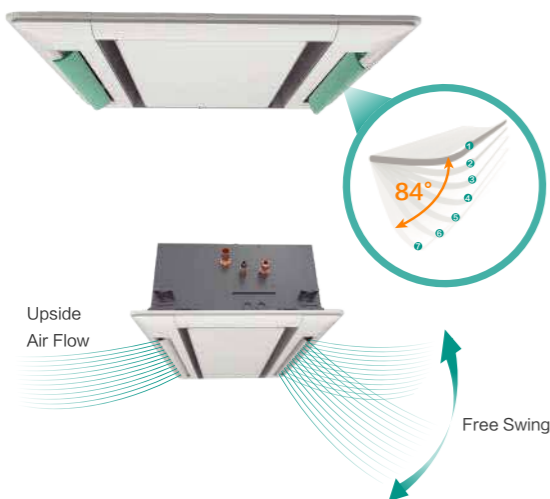
Compact and Classy Design

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.



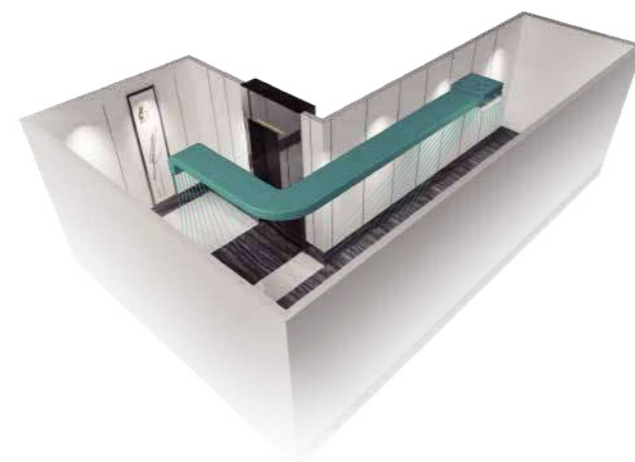
Independent Louvers Control

Each louver's opening angles are controllable individually with a total of 7 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.



2-Way Cassette Type



Model		AVL-07 UXJSGA	AVL-09 UXJSGA	AVL-12 UXJSGA	AVL-14 UXJSGA	AVL-18 UXJSGA	AVL-24 UXJSGA	AVL-27 UXJSGA	AVL-30 UXJSGA	AVL-38 UXJSHA	AVL-48 UXJSHA	AVL-54 UXJSHA	
Power Supply		AC 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
Power Input	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
Sound Pressure	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
Airflow Rate		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
		m ³ /min	10.0/8.5/ 7.2/6.0	11.0/9.4/ 8.2/6.6	12.0/10.5/ 8.9/7.5	15.0/13.2/ 11.5/9.9	17.0/14.9/ 13.0/11.2	19.0/16.4/ 14.3/12.3	21.0/18.4/ 15.6/12.6	22.0/19.3/ 16.3/13.1	30.0/26.4/ 23.1/19.8	35.0/30.8/ 26.9/21.1	37.0/32.5/ 28.4/24.1
Piping	Connection Type	-	Flare-nut Connection (with Flare Nuts)										
	Liquid	mm	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ9.53	φ9.53	φ9.53	φ9.53	φ9.53	φ9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	φ12.70	φ12.70	φ12.70	φ12.70	φ12.70	φ15.88	φ15.88	φ15.88	φ15.88	φ15.88	φ15.88
		inch	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8
Condensate Drain	mm	I.D.32											
Weight	Net Weight	kg	22	22	22	24	24	24	24	24	39	39	39
	Gross Weight	kg	28	28	28	30	30	30	30	30	47	47	47
Dimensions	External	H mm	298	298	298	298	298	298	298	298	298	298	298
		W mm	860	860	860	860	860	860	860	860	1420	1420	1420
		D mm	630	630	630	630	630	630	630	630	630	630	630
	Packaging	H mm	350	350	350	350	350	350	350	350	350	350	350
		W mm	1070	1070	1070	1070	1070	1070	1070	1070	1630	1630	1630
		D mm	710	710	710	710	710	710	710	710	710	710	710
Decoration Panel	Model	-	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-C-NA	HP-F-NA	HP-F-NA	
	Panel Colour	-	Neutral White										
	Body Dimensions	H mm	30	30	30	30	30	30	30	30	30	30	30
		W mm	1100	1100	1100	1100	1100	1100	1100	1100	1100	1660	1660
		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	1170	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:

- 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
- 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.

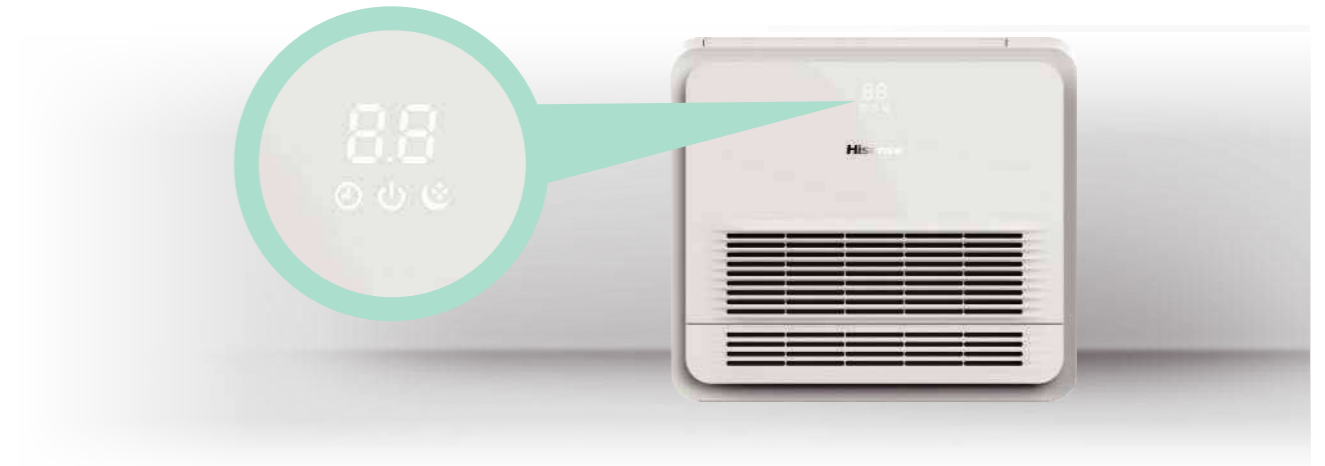
RELIABILITY
EFFICIENCY
COMFORT
FLEXIBILITY
OUTDOOR UNIT
INDOOR UNIT
CONTROL SYSTEM
ACCESSORY

Console Type



Stylish Design

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



Multiple Blowing Types

Cooling Mode

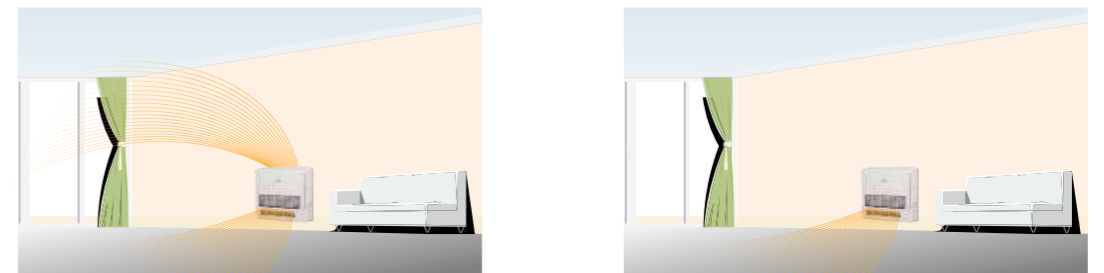
The unit adopts the stereo cooling mode that can reach the setting temperature rapidly.



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

Heating Mode

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



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

Flexible Installation Options

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



Standing on the floor



Hanging on the wall



Surface mounted



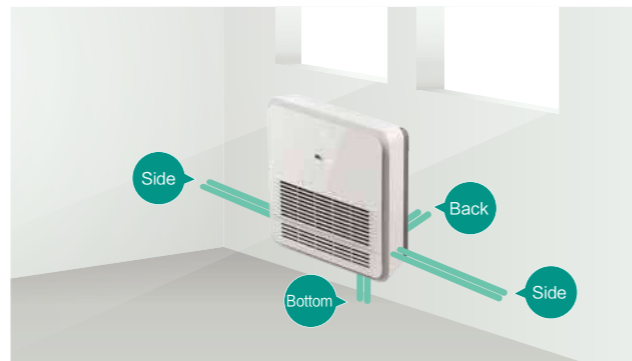
Embedded mounted



Concealed mounted

Flexible Piping Connection

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



Console Type

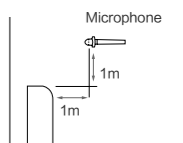


Model		AVK-05HJFCAA	AVK-07HJFCAA	AVK-09HJFCAA	AVK-12HJFCAA	AVK-15HJFCAA	AVK-17HJFCAA	
Power Supply		AC 1Φ, 220V-240V/50Hz/60Hz						
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.0
		Btu/h	5,100	7,500	9,600	12,300	15,300	17,000
	Heating	kW	2.0	2.5	3.3	4.2	5.0	5.6
		Btu/h	6,800	8,500	11,200	14,300	17,000	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		6.0/5.7/5.3/	7.4/7.0/6.4/	8.0/7.4/7.0/	8.2/7.6/6.8/	9.0/8.5/7.8/	10.1/9.7/9.0/	
		5.1/4.7/4.5	6.0/5.6/5.3	6.4/6.0/5.6	6.2/5.7/5.3	7.2/6.6/6.4	8.5/7.9/7.3	
Panel Colour	-	Pure White	Pure White	Pure White	Pure White	Pure White	Pure White	
Piping	Connection Type	-	Flare-nut Connection (with Flare Nuts)					
	Liquid	mm	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 6.35
		inch	1/4	1/4	1/4	1/4	1/4	1/4
	Gas	mm	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 12.70
		inch	1/2	1/2	1/2	1/2	1/2	1/2
Condensate Drain	mm	O.D.18						
Weight	Net Weight	kg	16.1	16.1	16.1	17.4	17.4	17.4
	Gross Weight	kg	20.6	21.1	21.1	21.5	21.5	21.5
Dimensions	External	H mm	630	630	630	630	630	630
		W mm	700	700	700	700	700	700
		D mm	225	225	225	225	225	225
	Packaging	H mm	725	725	725	725	725	725
		W mm	790	790	790	790	790	790
		D mm	315	315	315	315	315	315

Notes:

- 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)

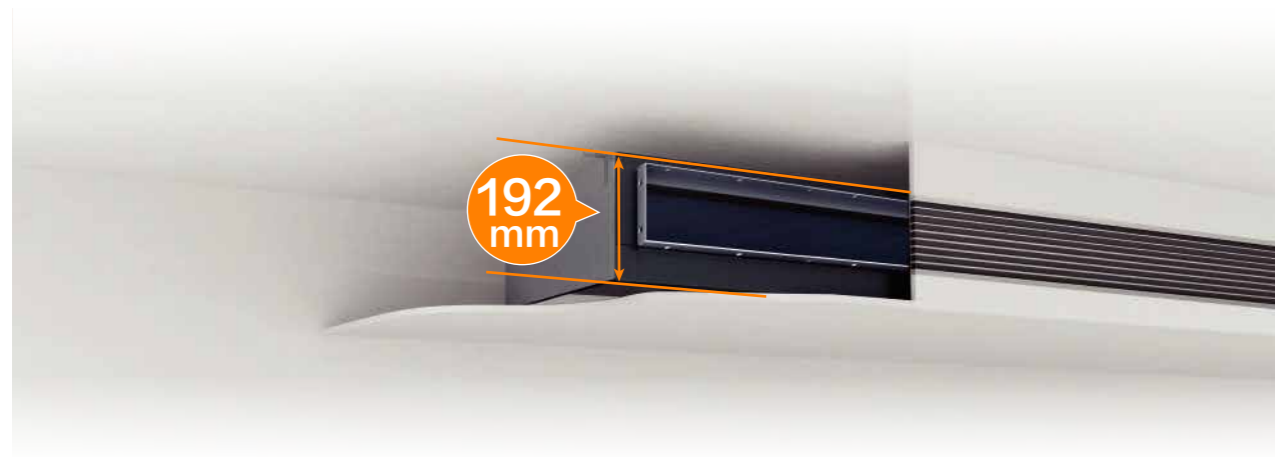
- The sound pressure level is based on following conditions:
 It is measured in anechoic room. Operation noise differs with operation and ambient conditions.
 Location of Microphone:



Ceiling Ducted Type (AC/DC Low Height)

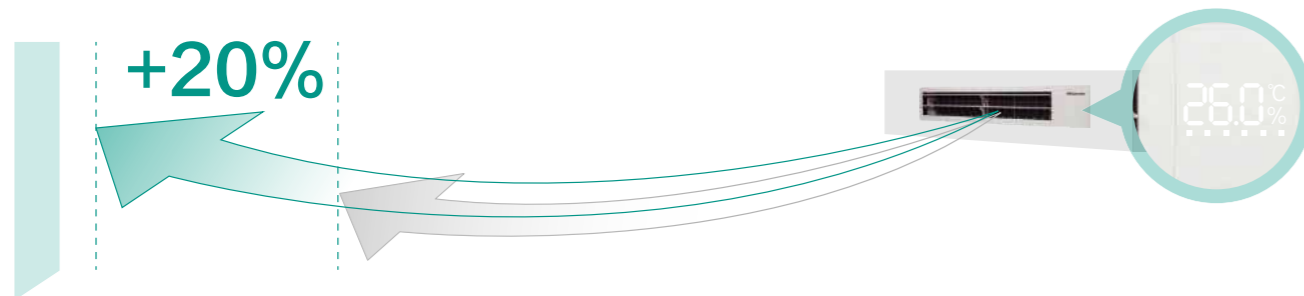
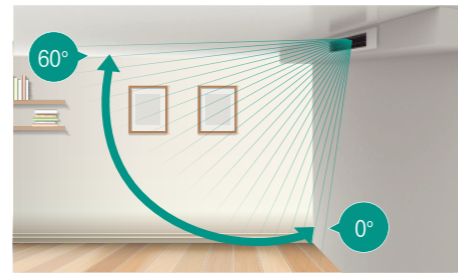
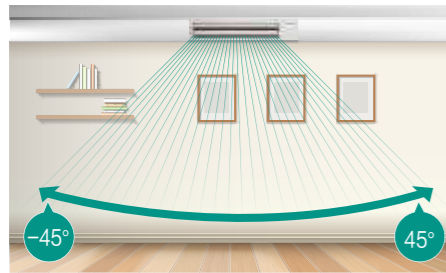
Space Saving

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



3D Air Flow

Classy air discharge louver panel with LED temperature and humidity display is available as an optional accessory for the AC/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.



Smart & Precise Temperature Control

To prevent the human height area of the room cools or warms to user's ideal temperature setting. Two Temperature Sensor Control Technology is integrated into the unit whereby the controller, and return section consist of built in temperature sensors to send real-time signals to the unit for a more precise supplying temperature.



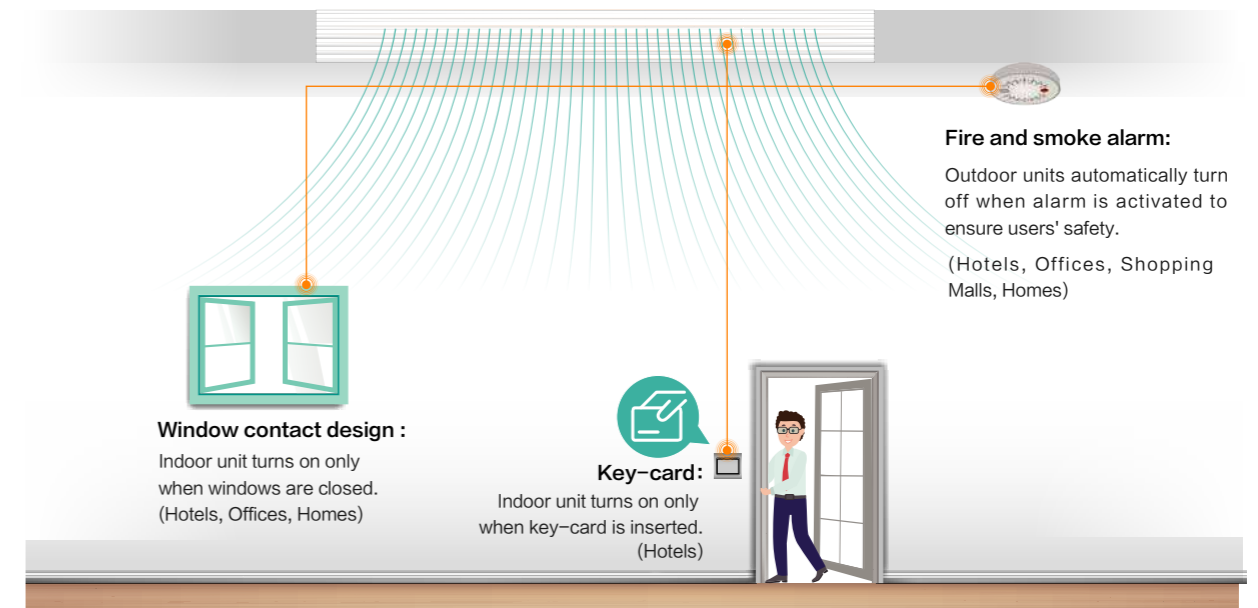
Hisense VRF



Conventional

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

Notes:

- 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)
- 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 1 φ, 220V-240V/50Hz/60Hz									
Capacity	Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1
		Btu/h	5,800	7,500	9,600	12,300	15,300	17,100	19,100	21,500	24,200
	Heating	kW	1.9	2.5	3.2	4.0	5.0	5.6	6.3	7.1	8.0
		Btu/h	6,500	8,500	11,300	13,600	17,100	19,100	21,500	24,200	27,300
Power Input	Cooling	W	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	m ³ /min	7.0/6.5/6.1/ 5.7/5.3/4.8	7.0/6.5/6.1/ 5.7/5.3/4.8	9.0/8.1/7.3/ 6.7/5.9/5.2	9.0/8.1/7.3/ 6.7/5.9/5.2	12/10.8/9.4/ 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(10/30/50)	10(10/30/50)	10(10/30/50)	10(10/30/50)	10(10/30/50)	10(10/30/50)	10(10/30/50)	10(10/30/50)	10(10/30/50)	
Piping	Connection Type	-	Flare-nut Connection (with Flare Nuts)								
	Liquid	mm	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 9.53	φ 9.53
		inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	3/8	3/8
	Gas	mm	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 15.88	φ 15.88	φ 15.88
		inch	1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8
	Condensate Drain	mm	I.D.32								
Weight	Net Weight	kg	16	16	17	17	20	20	24	24	24
	Gross Weight	kg	19	19	20	20	24	24	29	29	29
Dimensions	External	H mm	192	192	192	192	192	192	192	192	192
		W mm	700	700	700	700	910	910	1180	1180	1180
		D mm	447	447	447	447	447	447	447	447	447
		H mm	270	270	270	270	270	270	270	270	270
	Packaging	W mm	925	925	925	925	1136	1136	1406	1406	1406
		D mm	574	574	574	574	574	574	574	574	574

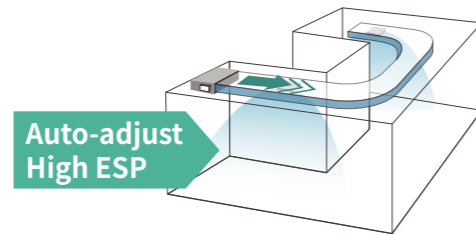
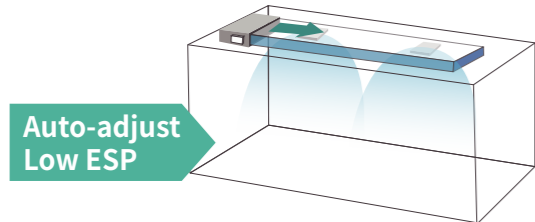
Notes:

- 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)
- 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 High Static Pressure)

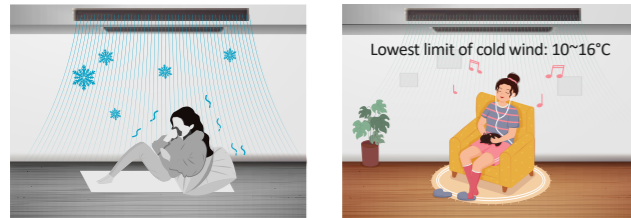
Auto-adjust External Static Pressure

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



Cold Wind Limit Setting

Thanks to the Cold Wind Limit Setting function, the lowest limit of the outlet air temperature can be set in the range of 10~16°C, which can ensure that the actual outlet temperature will never be lower than the set value, and avoid uncomfortable feeling caused by the direct blowing of cold wind.



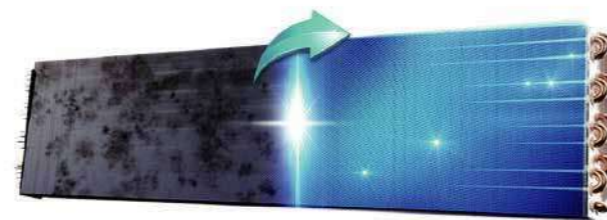
New Improved Bendable Filters

Filters that comes with the units are now optimized to be bendable by improving the material's malleability to improve installation flexibility in narrow ceiling height and restricted spaces.



Self-cleaning Function

Featured with self-cleaning technology, the evaporator can be self-cleaned automatically just with the tap of a button in the controller, which is very convenient and saves the cost of manual cleaning, while ensuring a clean environment.



4 processes for deep cleaning

Ceiling Ducted Type (DC High Static Pressure)



Model		AVD-07	AVD-09	AVD-12	AVD-15	AVD-19	AVD-24	AVD-24	AVD-30	AVD-38	AVD-48	AVD-54	AVD-76	AVD-96		
		HJFH	HJFH	HJFH	HJFH	HJFH	HJFH	HJFH1	HJFH	HJFH	HJFH	HJFH	HJFH	HJFH		
Power Supply		AC 1Φ, 220V-240V/50Hz/60Hz														
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	7.1	9.0	11.2	14.0	16.0	22.4	28.0	
		Btu/h	7,500	9,600	12,300	15,400	19,100	24,200	24,200	30,800	38,000	48,000	54,500	76,500	95,600	
Capacity	Heating	kW	2.5	3.2	4.0	4.6	6.3	8.0	8.0	10.0	12.5	16.0	18.0	25.0	31.5	
		Btu/h	8,500	10,900	13,700	17,100	21,600	27,400	27,400	34,200	42,500	54,500	61,500	85,300	107,500	
Power Input	Cooling	W	40	40	55	55	55	82	74	100	132	180	223	610	830	
	Heating	W	40	40	55	55	55	82	74	100	132	180	223	610	830	
Sound Pressure Level	dB(A)	30/27/23/ 21/20/19	30/27/23/ 21/20/19	35/33/32/ 28/26/24	35/33/32/ 28/26/24	33/30/27/ 25/23/22	36/34/31/ 28/24/22	33/31/28/ 25/23/21	34/32/30/ 28/25/22	37/35/31/ 29/26/23	38/36/34/ 31/29/26	41/38/35/ 33/30/27	49/48/47/ 46/45/44	53/52/50/ 49/47/45		
Airflow Rate	m ³ /min	9/8/6.8/ 6.3/5.8/5.3	9/8/6.8/ 6.3/5.8/5.3	12/11/10/ 9/8/7.2	12/11/10/ 9/8/7.2	14.5/13/11.5/ 10.5/9.5/8.7	19/17/15/ 13/11/9.5	20.6/19/17/ 15/13.8/12.5	25/23/21/ 19/17/15	28/25/23/ 21/19/17	35.5/32.5/29.5/ 26.5/23.5/21.8	39/35.5/31/ 26.5/23.5/21.8	57/54/52/ 51/49/48	72/68/65/ 61/58/50		
External Static Pressure	Pa	30 (30/40/50/60/70/80/90/100/110/120/130/140/150)						50 (50/60/70/80/90/100/110/120/130/140/150/160/170/180/190/200)						150(50-250)	150(50-250)	
Piping	Connection Type	-	Flare-Nut Connection(With Flare Nut)											Brazing		
	Liquid	mm	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ9.53	φ9.53	φ9.53	φ9.53	φ9.53	φ9.53	φ9.53	φ9.53	
		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	
	Gas	mm	φ12.7	φ12.7	φ12.7	φ12.7	φ15.88	φ15.88	φ15.88	φ15.88	φ15.88	φ15.88	φ15.88	φ22.2 (φ19.05 ^{*1})	φ22.2	
inch		1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	7/8 (3/4 ^{*1})	7/8		
Condensate Drain	-	I.D. 32														
Weight	Net Weight	kg	23	23	24	24	30	30	40	40	40	49	49	104	104	
	Gross Weight	kg	29	29	29	29	37	37	48	48	48	57	57	125	125	
Dimensions	External	H mm	270	270	270	270	270	270	300	300	300	300	300	470	470	
		W mm	650+75	650+75	650+75	650+75	900+75	900+75	1100+75	1100+75	1100+75	1100+75	1400+75	1400+75	1250	1250
		D mm	720	720	720	720	720	720	800	800	800	800	800	1120	1120	
	Packing	H mm	385	385	385	385	385	385	415	415	415	415	415	546	546	
		W mm	895	895	895	895	1140	1140	1345	1345	1345	1345	1640	1640	1466	1466
		D mm	870	870	870	870	870	870	950	950	950	950	950	1345	1345	

Notes:

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

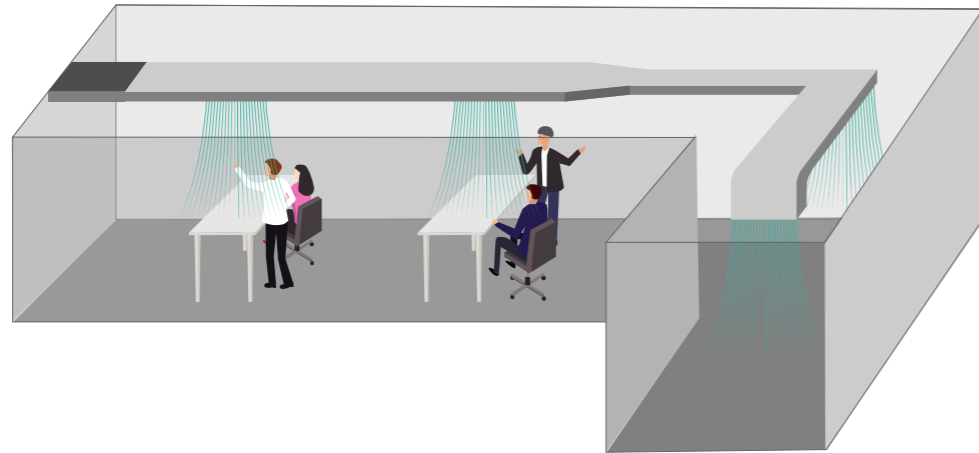
2. The sound pressure level is based on following conditions.
 1.5m below the unit; With 2.0m discharge duct and 1.0m return duct
 The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
 3. *1: The size of AVD-76* series gas pipe is φ22.2mm when leaving the factory, and the diameter can be changed to 19.05mm after welding the adapter pipe.

RELIABILITY
EFFICIENCY
COMFORT
FLEXIBILITY
OUTDOOR UNIT
INDOOR UNIT
CONTROL SYSTEM
ACCESSORY

Ceiling Ducted Type (High/Low Static Pressure)

Flexible Air Duct Layout

High static pressure facilitates extensive ducts and air outlets network, effectively sends air-conditioned air to every corner of the room.



New Improved Bendable Filters

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



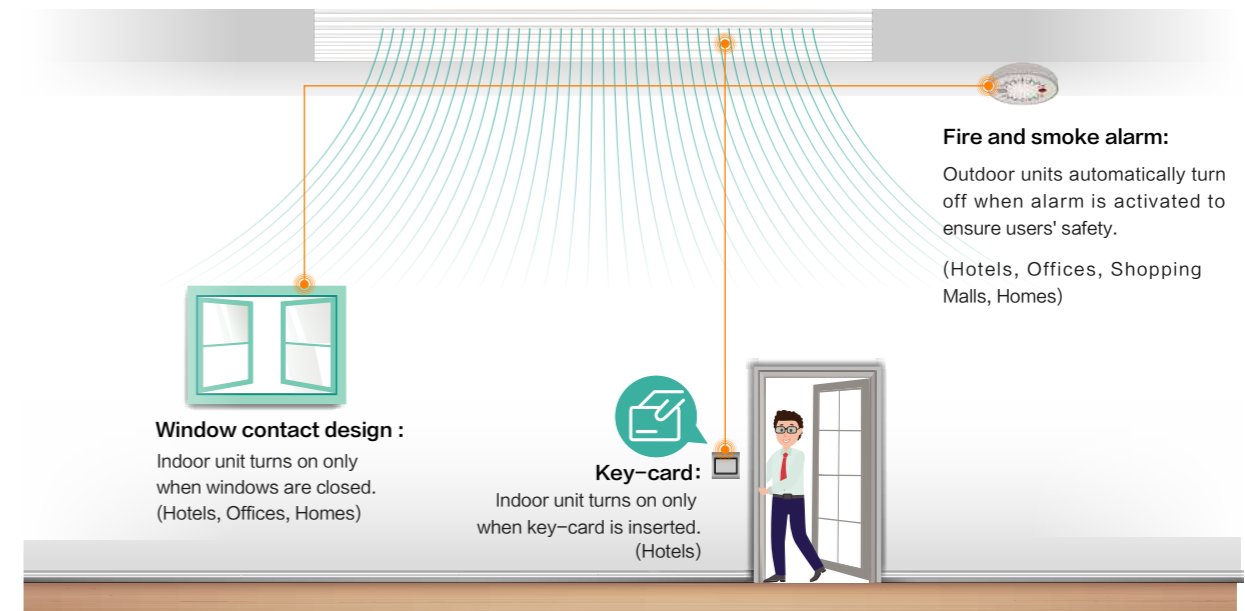
Fresh Air Introducing

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



Various Device Connection Options

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

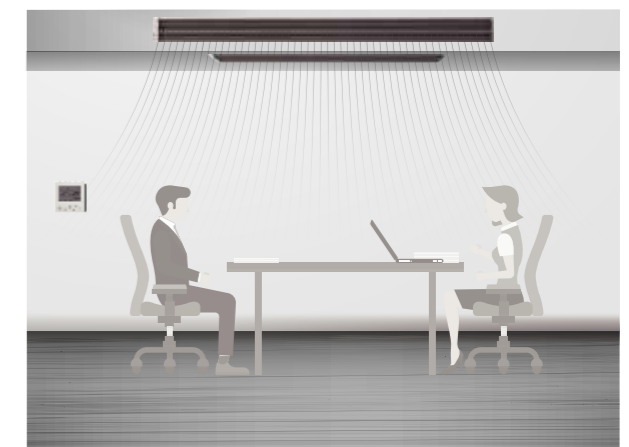


Smart & Precise Temperature Control

To prevent the human height area of the room cools or warms to user's ideal temperature setting. Two Temperature Sensor Control Technology is integrated into the unit whereby the controller, and return section consist of built in temperature sensors to send real-time signals to the unit for a more precise supplying temperature.



Hisense VRF

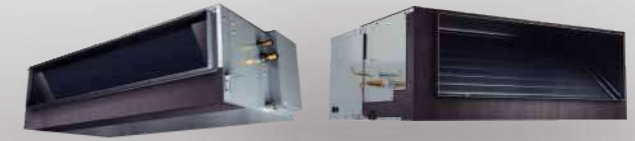


Conventional

Ceiling Ducted Type (High Static Pressure)



Ceiling Ducted Type (Low Static Pressure)



Model	AVD-07 HCFCH	AVD-09 HCFCH	AVD-12H CFCH	AVD-15H CFCH	AVD-19 HCFCH	AVD-22 HCFCH	AVD-24 HCFCH	AVD-27 HCFCH	AVD-30 HCFCH	AVD-38 HCFCH	AVD-48 HCFCH	AVD-54 HCFCH	AVD-76U X6SEH*	AVD-96U X6SFL**		
Power Supply	AC 1 φ, 220V~240V/50Hz												AC 3 φ, 380~415V/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 1 φ, 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	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	7.1	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5
		Btu/h	8,500	10,900	13,700	17,100	21,600	24,200	27,400	30,800	34,200	42,500	54,500	61,500	85,300	107,500
Power Input	Cooling	kW	0.10(0.13 ²)	0.10(0.13 ²)	0.13(0.16 ²)	0.13(0.16 ²)	0.14(0.21 ²)	0.19(0.24 ²)	0.19(0.24 ²)	0.25(0.34 ²)	0.25(0.34 ²)	0.25(0.34 ²)	0.34(0.45 ²)	0.43(0.59 ²)	1.08	1.34
	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)	1.08	1.34
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)	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)	170(150)	170(150)	170(150)	170(150)	170(150)	-	-	
Piping	Connection Type	-	Flare-nut Connection (with Flare Nuts)										Brazing			
	Liquid	mm	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 19.05	φ 22.20
		inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	3/4	7/8
Condensate Drain	mm	I.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	300	300	300	300	300	470	470
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
Packaging		D mm	720	720	720	720	720	720	800	800	800	800	800	1120	1120	
		H mm	385	385	385	385	385	385	415	415	415	415	415	546	546	
Packaging	W mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640	1276	1466	
	D mm	870	870	870	870	870	870	870	950	950	950	950	950	1345	1345	

Notes:

- 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)
- 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.
- When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.
: For AVD-76/96, the filter is not standard.
**: The value noted ** is the parameter of the indoor units with power supply 208~230V/60Hz.

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**	AVD-96U X6SFL**		
Power Supply	AC 1 φ, 220V~240V/50Hz												AC 3 φ, 380~415V/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	7.1	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5
		Btu/h	8,500	10,900	13,700	17,100	21,600	24,200	27,400	30,800	34,200	42,500	54,500	61,500	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	100	100		
Piping	Connection Type	-	Flare-nut Connection (with Flare Nuts)										Brazing			
	Liquid	mm	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 6.35	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53	φ 9.53
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Gas	mm	φ 12.70	φ 12.70	φ 12.70	φ 12.70	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 15.88	φ 19.05	φ 22.20	
		inch	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	3/4	7/8	
Condensate Drain	mm	I.D.32														
Weight	Net Weight	kg	25	25	25	25	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
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
Packaging		D mm	720	720	720	720	720	720	800	800	800	800	800	1120	1120	
		H mm	385	385	385	385	385	385	415	415	415	415	415	546	546	
Packaging	W mm	895	895	895	895	1140	1140	1140	1345	1345	1345	1640	1640	1276	1466	
	D mm	870	870	870	870	870	870	870	950	950	950	950	950	1345	1345	

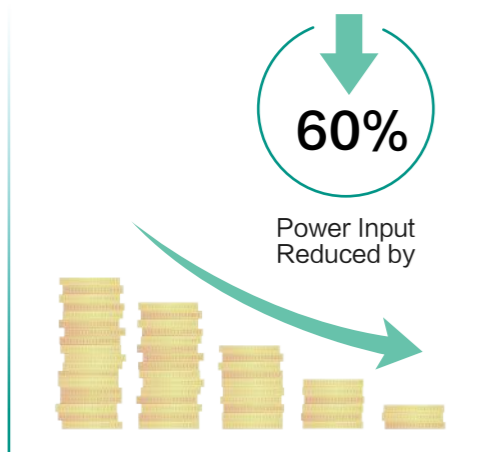
Notes:

- 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)
- 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.
- When bottom air inlet is adopted, the sound pressure will increase according to factors such as installation mode and the room structure.
: For AVD-76/96, the filter is not standard.

Wall Mounted Type

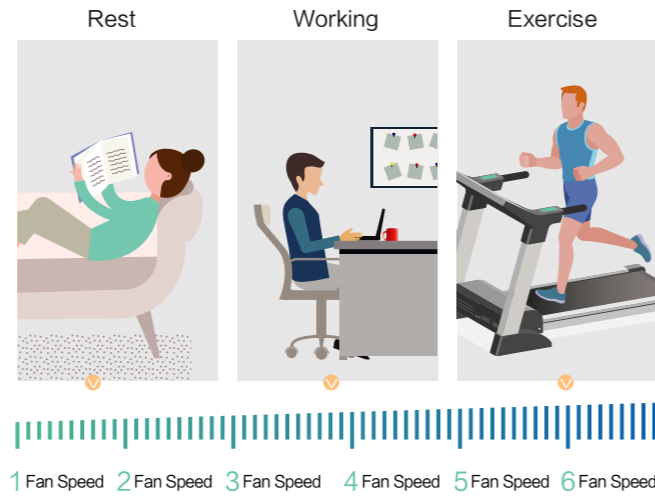
High-efficiency DC Fan Motor

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



6 Fan Speed

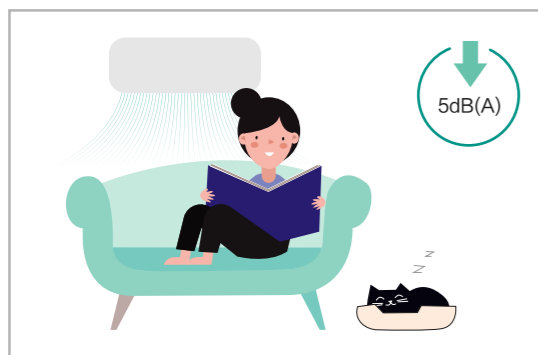
6 indoor fan speeds are available to meet the needs of different indoor conditions.



Optimal Noise Control

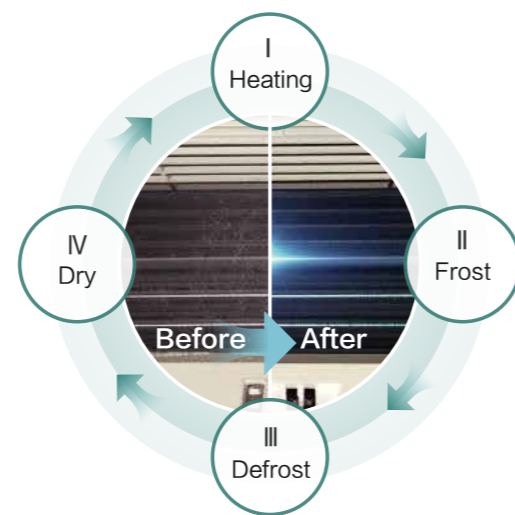
The low-noise DC fan motor and the enhanced vibration pad on the distribution pipe and EEV will ensure a quieter operation. Besides, with Hisense special smart noise reduction technology, the operation noise can also be decreased effectively. During the high airflow operation, maximum 5dB(A)* is decreased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

Take AVS-12 as an example



Self-cleaning Function

Featured with self-cleaning technology, the evaporator can be self-cleaned automatically just with the tap of a button in the controller, which is very convenient and saves the cost of manual cleaning, while ensuring a clean environment.



4 processes for deep cleaning



Model		AVS-05 HJFTDD	AVS-07 HJFTDD	AVS-09 HJFTDD	AVS-12 HJFTDD	AVS-15 HJFTDD	AVS-18 HJFTDD	AVS-24 HJFTDD	AVS-28 HJFTDD		
Power Supply		AC 1φ, 220~240V/50Hz; AC 1φ, 220V/60Hz									
Capacity	Cooling	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.4	
		Btu/h	5,800	7,500	9,600	12,300	15,400	19,100	24,200	28,700	
	Heating	kW	2.0	2.5	3.3	4.0	5.0	6.3	8.0	8.4	
		Btu/h	6,500	8,500	11,300	13,700	17,100	21,500	27,300	28,700	
Power Input	Cooling	W	20	20	20	30	20	30	50	80	
	Heating	W	20	20	20	30	30	30	70	80	
Sound Pressure		dB(A)	33/32/32/ 30/30/28	36/35/33/ 32/30/28	36/35/33/ 32/30/28	38/35/33/ 32/30/28	38/37/36/ 32/31/29	40/38/36/ 35/33/31	45/42/41/ 38/35/31	50/48/45/ 41/36/33	
	Airflow Rate	m ³ /min	8.7/8.3/8.2/ 7.5/7.2/7.0	9.8/9.2/8.7/ 8.2/7.5/7.0	9.8/9.2/8.7/ 8.2/7.5/7.0	10.3/9.2/8.7/ 8.2/7.5/7.0	11.5/11.0/10.3/ 9.0/8.7/8.0	16.2/15.0/14.2/ 13.3/12.2/11.5	20.0/18.0/17.0/ 15.0/13.3/11.7	23.3/22.0/20.0/ 17.0/14.2/12.2	
Panel Colour		White									
Connection Type		Flare Nuts									
Piping	Liquid	mm	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ9.53	φ9.53	φ9.53	
		inch	1/4	1/4	1/4	1/4	1/4	3/8	3/8	3/8	
	Gas	mm	φ9.53	φ9.53	φ9.53	φ9.53	φ12.70	φ15.88	φ15.88	φ15.88	
		inch	3/8	3/8	3/8	3/8	1/2	5/8	5/8	5/8	
Drain Pipe	mm	O.D. 18									
Weight	Net Weight	kg	9.0	9.0	9.0	9.0	13.0	14.5	14.5	14.5	
	Gross Weight	kg	12.5	12.5	12.5	12.5	17.0	19.0	19.0	19.0	
Dimensions	External	H	mm	270	270	270	270	315	315	315	315
		W	mm	845	845	845	845	960	1120	1120	1120
		D	mm	203	203	203	203	230	230	230	230
		H	mm	375	375	375	375	430	430	430	430
	Packaging	W	mm	943	943	943	943	1058	1223	1223	1223
		D	mm	310	310	310	310	328	328	328	328

Notes:

1. The rated capacity is based on the following conditions:
Cooling conditions: indoor air inlet temperature: 27°C DB, 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB, 6°C WB, pipe length: 7.5m, pipe height difference: 0m.

2. The above noise values are measured in an anechoic chamber so that reflected sound should be taken into consideration during actual operation.
The above noise values are measured under the fan mode operation, and measured at a point 1m in front of the unit and 0.8m below the unit.

Ceiling & Floor Type

Sleek Smooth Design

Shiny white cover panel of the unit has a 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

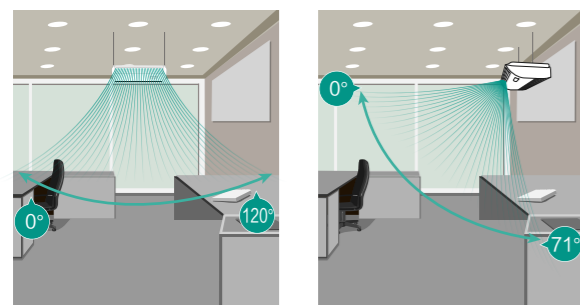
The unit can be installed to be standing on floors or hanging on ceilings. Whereby interior walls maximized to display items, can hang the unit on the ceiling.



Hanging on the wall Standing on the floor

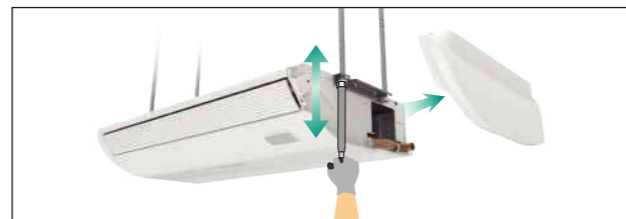
Wide Air Supply

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



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.



Ceiling & Floor Type



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

Notes:

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

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

Floor Concealed Type

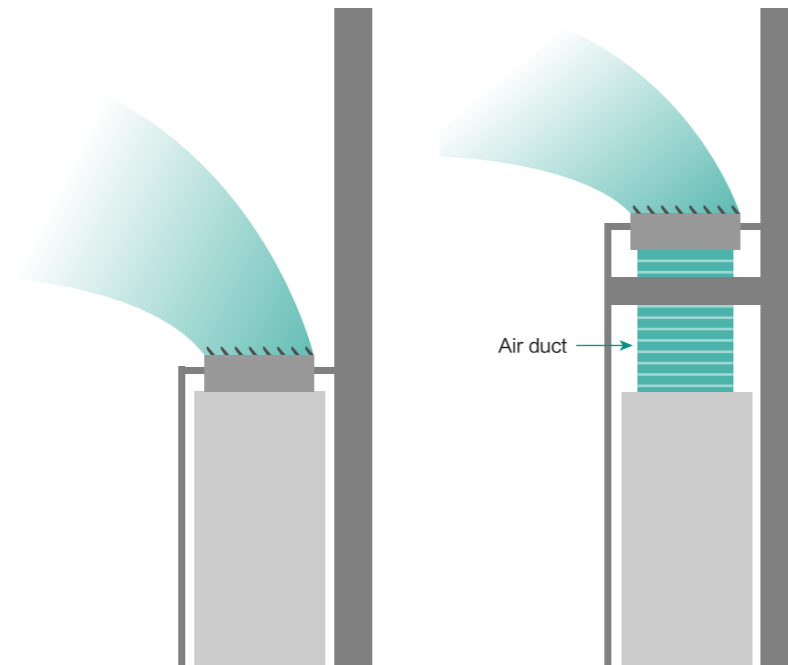
Space Saving

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



Adjustable Static Pressure and Flexible Installation

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



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	m ³ /min	8.5/7.5/6.3	10.3/9.0/8.0	14.8/12.3/10.5	16.3/13.8/11.8	
Piping	Connection Type	-	Flare-nut Connection (with Flare Nuts)			
	Liquid	mm	φ 6.35	φ 6.35	φ 6.35	φ 9.53
		inch	1/4	1/4	1/4	3/8
	Gas	mm	φ 12.70	φ 12.70	φ 15.88	φ 15.88
		inch	1/2	1/2	5/8	5/8
	Condensate Drain	mm	I.D.32			
Weight	Net Weight	kg	18	22	26	27
	Gross Weight	kg	30	31	37	37
Dimensions	External	H mm	620	620	620	620
		W mm	948+139	948+139	1218+139	1218+139
		D mm	202	202	202	202
	Packaging	H mm	675	675	675	675
		W mm	1160	1160	1430	1430
		D mm	240	240	240	240

Notes:

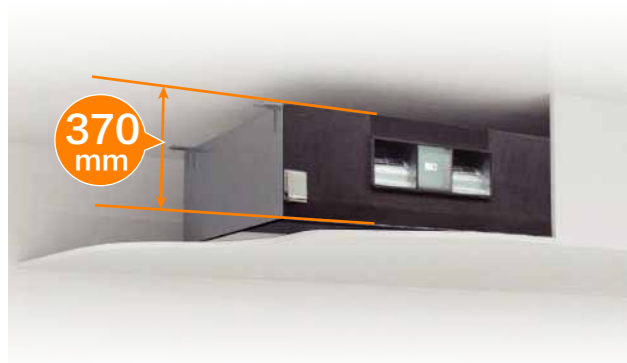
1. The nominal cooling capacity and heating capacity are based on the following conditions:
 Cooling Operation Conditions
 Indoor Air Inlet Temperature: 27°C DB (80°F DB), 19.0°C WB (66.2°F WB)
 Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
 Piping Length: 7.5 Meters Piping Lift: 0 Meter
 Heating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

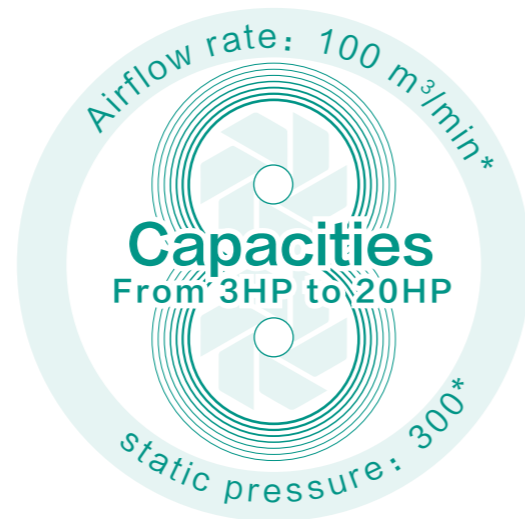
Space Saving

Fresh air unit consisting 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 6STH-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	
Capacity	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 12.70	ϕ 12.70	ϕ 15.88	ϕ 15.88	
		inch	3/8	3/8	3/8	3/8	1/2	1/2	5/8	5/8	
Piping	Gas	mm	ϕ 15.88	ϕ 15.88	ϕ 19.05	ϕ 22.20	ϕ 25.40	ϕ 25.40	ϕ 28.60	ϕ 28.60	
		inch	5/8	5/8	3/4	7/8	1	1	1-1/8	1-1/8	
Piping	Condensate Drain	mm	I.D.32				RC1 (Internal Screw)				
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	540	540	540	816	916	916
		W	mm	1112	1512	1466	1466	1466	2213	2213	2213
		D	mm	922	922	1290	1290	1290	1006	1006	1006
Temperature Range of Fresh Air		-	Cooling: 20°C-43°C, Heating: -5°C-15°C								

Notes:

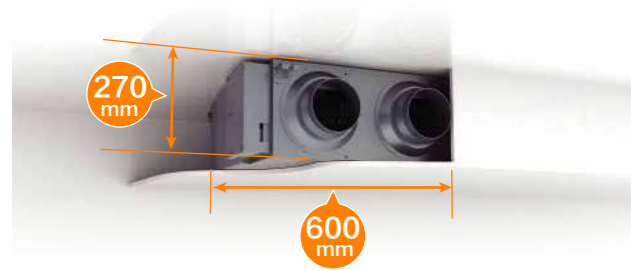
- The nominal cooling capacity and heating capacity are based on following conditions:
Cooling operation conditions: 33°C DB, 28°C WB, piping length: 7.5m, piping lift: 0m.
Heating operation conditions: 0°C DB, -2.9°C WB, piping length: 7.5m, piping lift: 0m.
(Heating capacity is tested when defrosting is not available)
- The sound pressure level is based on following conditions: 1.5m beneath the unit.
The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
- The unit shall be connected to the outdoor unit. In case of connecting the fresh air indoor unit with other types of indoor units in the same refrigerant system, please calculate the capacity of the unit as 46.1KBtu/h (30.7KBtu/h), 71.7KBtu/h (47.8KBtu/h), 143.3KBtu/h (95.6KBtu/h).
- When the outdoor unit is connected only with all fresh air indoor unit, the configuration rate is 100%.
- 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.

RELIABILITY
EFFICIENCY
COMFORT
FLEXIBILITY
OUTDOOR UNIT
INDOOR UNIT
CONTROL SYSTEM
ACCESSORY

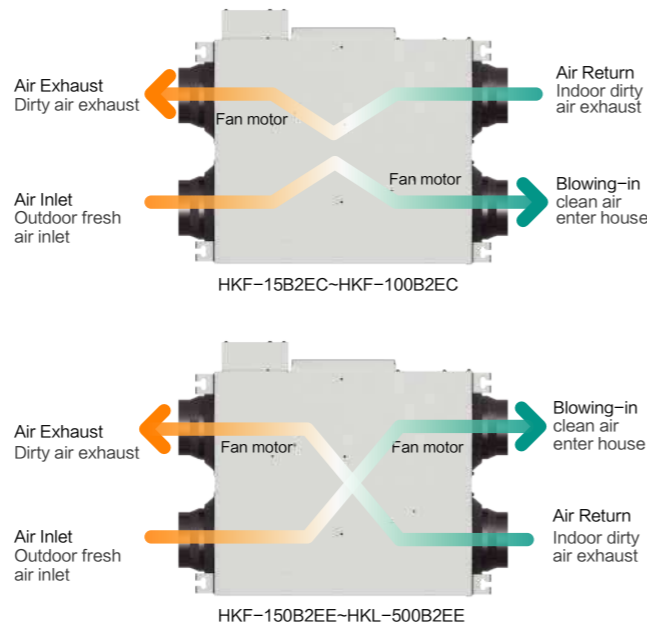
Heat Recovery Ventilator

Compact Machine, Convenient Installation

The thickness of machine can be easily installed in the narrow residential ceiling. The width of the machine whose air flow rate is under 300m³/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.

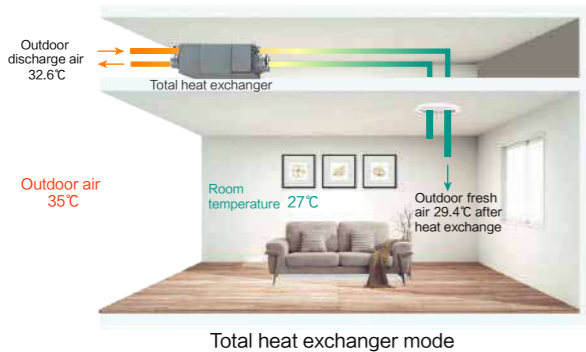


Airflow System



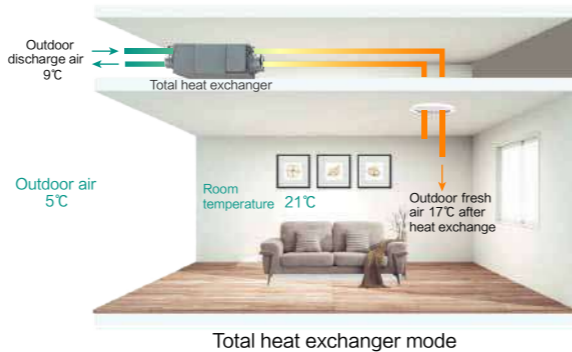
Energy Saving Analysis

Summer Energy Saving Analysis



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



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.

Heat Recovery Ventilator

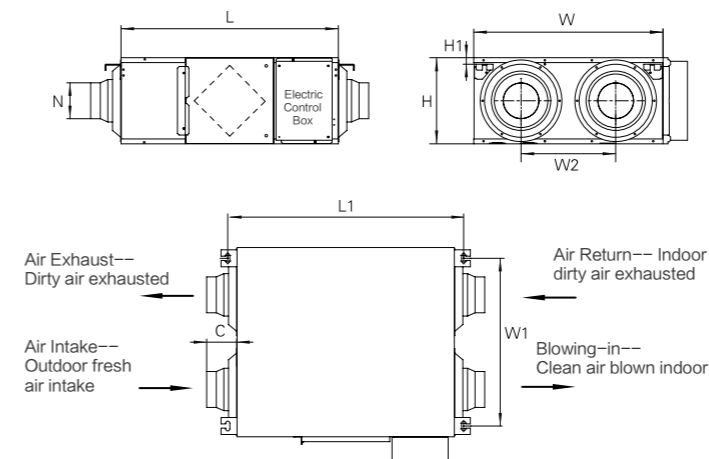
Centralized Control System

Hisense heat recovery ventilator can be connected to the Hisense VRF Central Control System, achieving the central control from Hisense VRF controllers. 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 m ³ /h			Enthalpy Efficiency (Summer) η _i			Enthalpy Efficiency (Winter) η _i			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				
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

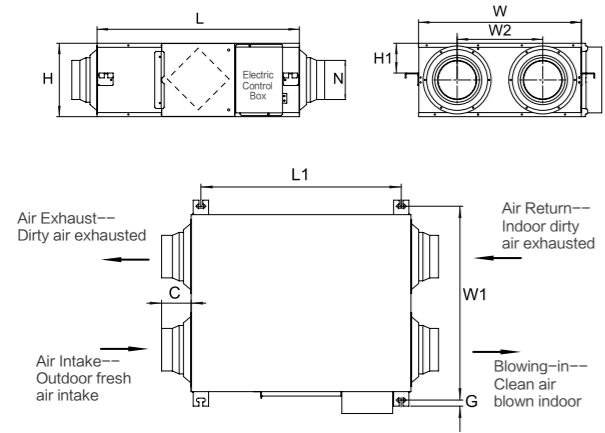
*: 220V/60Hz HKF-15B2E2

RELIABILITY
EFFICIENCY
COMFORT
FLEXIBILITY
OUTDOOR UNIT
INDOOR UNIT
CONTROL SYSTEM
ACCESSORY

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

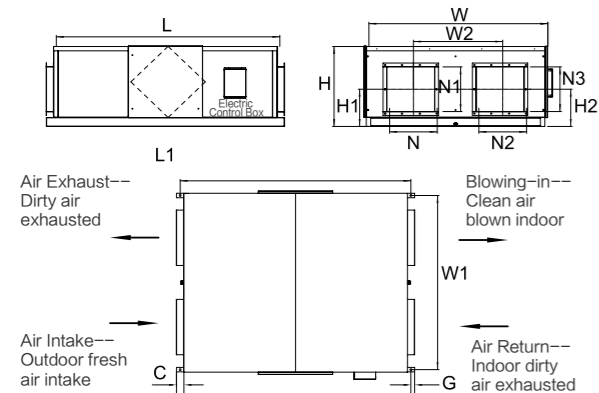
Model	Air Volume m ³ /h			Enthalpy Efficiency (Summer) η _i			Enthalpy Efficiency (Winter) η _i			External Static Pressure Pa			Power Supply	Input Current A			Input Power kW			Noise Level dB(A)			Weight kg
	High	Middle	Low	High	Middle	Low	High	Middle	Low	High	Middle	Low		High	Middle	Low	High	Middle	Low	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 1Φ, 220V/60Hz HKF-25B2E2~HKF-100B2E2

HKF-150B2EE~HKF-200B2EE



Product Dimensions



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

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

Technical Parameters

Model	Air Volume m ³ /h	Enthalpy Efficiency (Summer) η _i	Enthalpy Efficiency (Winter) η _i	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

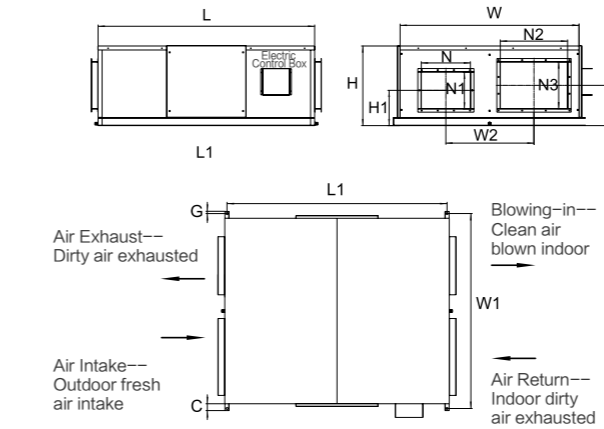
*: AC 3Φ, 220V/60Hz HKF-150B2E9 HKF-200B2E9

AC 3Φ, 380V/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

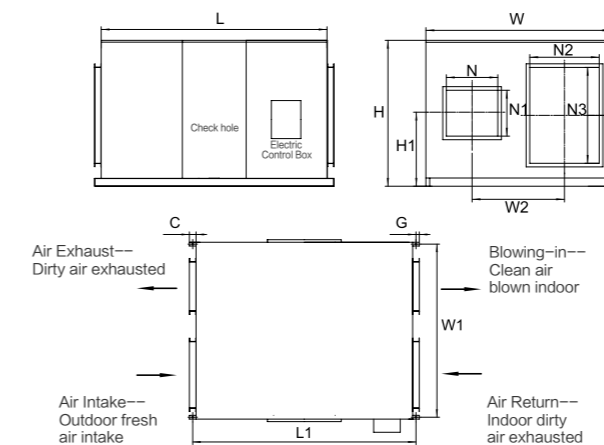
Model	Air Volume m ³ /h	Enthalpy Efficiency (Summer) η _i	Enthalpy Efficiency (Winter) η _i	External Static Pressure Pa	Power Supply	Input Current A	Input Power kW	Noise Level dB(A)	Weight kg
HKF-250B2EE*	2500	54	62	180	380-415V/50Hz	3.86	2×0.72	53	185
HKF-300B2EE*	3000	55	63	200	380-415V/50Hz	5.12	2×1.16	56	222

*: AC 3Φ, 220V/60Hz HKF-250B2E9 HKF-300B2E9 AC 3Φ, 380V/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 m ³ /h	Enthalpy Efficiency (Summer) η _i	Enthalpy Efficiency (Winter) η _i	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 3Φ, 220V/60Hz HKL-400B2E9 HKL-500B2E9 AC 3Φ, 380V/60Hz HKL-400B2EF HKL-500B2EF

AHU Connection KIT

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

Main Function

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

— Communication wire — Sensor signal — Refrigerant pipe



*The wired controller HYXE-VA01A is standard.

AHU Connection KIT

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

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

AHU Connection KIT		HZX-2 BEJ	HZX-4 BEJ	HZX-6 BEJ	HZX-10 BEJ	HZX-20 BEJ					HZX-30 BEJ						
Power Supply		AC 1Φ, 220V~240V/50Hz/60Hz															
Nominal Capacity of AHU	kBtu/h	19	36	54	76	96	114	132	154	170	190	212	232	250	272	287	
Allowed Heat Exchanger Capacity (H/M/L)	Cooling	kW	5.6	11.2	16.0	22.4	28.0	33.5	40.0	45.0	50.0	56.0	61.5	69.0	73.0	80.0	85.0
		kW	5.0	9.0	14.0	20.0	25.0	30.0	35.0	43.0	48.0	52.0	58.0	65.0	71.0	76.0	82.0
	Heating	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	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	dm³	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	dm³	1.16	2.37	2.92	3.89	4.76	5.91	6.89	8.00	8.92	9.97	11.13	12.34	12.89	13.86	14.73
Equivalent Indoor Unit Capacity	kBtu/h	19	36	54	76	96	114	132	154	170	190	212	232	250	272	287	
Net Weight	kg	7.1	7.1			7.2				9.2							
Gross Weight	kg	11.7	11.8			11.9				15.4							
Package Dimension (H × W × D)	mm	350 × 510 × 450										460 × 510 × 450					
Control Box	Model	HZX-BEJ/1															
	Outer Dimension(H × W × D)	112 × 419 × 349															
Expansion Valve Box	Model	HZX-2 BEJ/2	HZX-4 BEJ/2	HZX-6 BEJ/2	HZX-10 BEJ/2	HZX-20 BEJ/2					HZX-30 BEJ/2 (2 sets)						
	Outer Dimension(H × W × D)	61 × 437 × 166										61 × 437 × 166(2 sets)					

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

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

CONTROL SYSTEM



Individual Control

Centralized Control

Intelligent Control

AIR
CONDITIONING
SOLUTION

Overview

Model	Wired Controller					Wireless Controller	Central Controller	
	HYXM-VB01A	HYXE-VC01	HYXE-J01H	HYXE-VA01A	HYXE-S01H	HYE-VD01	HYJ-J01H	HYJM-RA10D
Picture								
Max. connectable indoor units	6	6	16	16	16	-	128	160
Cooling/Heating/Auto	●	●	●	●	●	●	×	●
Dehumidification	●	●	●	●	●	×	×	●
Fan speed	●	●	●	●	●	●	×	●
Louver setting	●	●	●	●	●	●	×	●
Temperature setting	●	●	●	●	●	●	×	●
Operation monitoring	●	●	●	●	●	●	×	●
24-hour timer	●	●	●	●	●	●	×	×
7-day timer	●	×	●	×	×	×	×	●
Holiday setting	●	×	●	×	×	×	×	●
Main-sub control	●	●	●	●	×	×	×	×
Check function	●	●	●	●	●	×	×	×
Air filter cleaning reminding	●	●	●	●	●	×	×	●
Error code history display	●	●	●	●	●	×	×	●
Auto test run	●	●	●	●	●	●	×	×
Indoor/Outdoor PCB checking	●	●	●	●	●	×	×	×
Self diagnostic function	●	●	●	●	●	●	●	●
Back light	●	●	●	●	●	●	×	●
Built-in temperature sensor	×	●	●	●	×	●	×	×
Wireless control available	●	●	×	×	×	×	×	×
Individual louver control	●	●	●	●	×	●	×	×
Breeze mode	●	●	●	●	×	●	×	×
Motion sensor	●	×	●	●	×	×	×	×
Health (AirPure)	●	●	●	●	×	●	×	●
Hi-Motion	●	×	●	×	×	×	×	×
ECO (energy saving)	●	●	●	●	×	●	×	●
Quiet (Indoor unit)	●	●	●	●	●	●	×	×
Sleep (Indoor unit)	●	●	●	●	×	●	×	×
Window contact design	●	●	●	●	×	×	×	×
3D-air flow	●	●	●	●	×	●	×	×
Self-cleaning	●	●	×	●	×	●	×	●

Remarks: Available: ● Unavailable: ×

RELIABILITY

EFFICIENCY

COMFORT







FLEXIBILITY







OUTDOOR UNIT

INDOOR UNIT

CONTROL SYSTEM

ACCESSORY

Type	Wired Controller					Wireless Controller
Model	HYXM-VB01A	HYXE-VC01	HYXE-J01H	HYXE-VA01A	HYXE-S01H	HYE-VD01
Picture						
4-Way Cassette	○	○	○	○	○	○
Mini 4-Way Cassette	○	○	○	○	○	○
1-Way Cassette	○	○	○	○	×	○
2-Way Cassette	○	○	○	○	×	○
Ceiling Ducted Type (AC/DC)	○	○	○	○	○	○
Ceiling Ducted Type (High/Low)	○	○	○	○	○	○
Console	○	○	○	○	○	●
Wall Mounted Type	○	○	○	○	○	●
Ceiling & Floor Type	○	○	○	○	○	●
Floor Concealed Type	○	○	○	○	×	○
All Fresh Air	○	○	○	○	○	○
Heat Recovery Ventilator	○	●	○	○	○	×
AHU Kit	○	○	○	●	×	×

Type	Receiver Kit				Centralized Controller	ON/OFF
Model	HYRE-V02H	HYRE-Z01H	HYRE-T03H	HYRE-X01H	HYJM-RA10D	HYJ-J01H
Picture						
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: Standard: ● Optional: ○ Incompatible: ×

Individual Control

Wired Controller

HYXM-VB01A

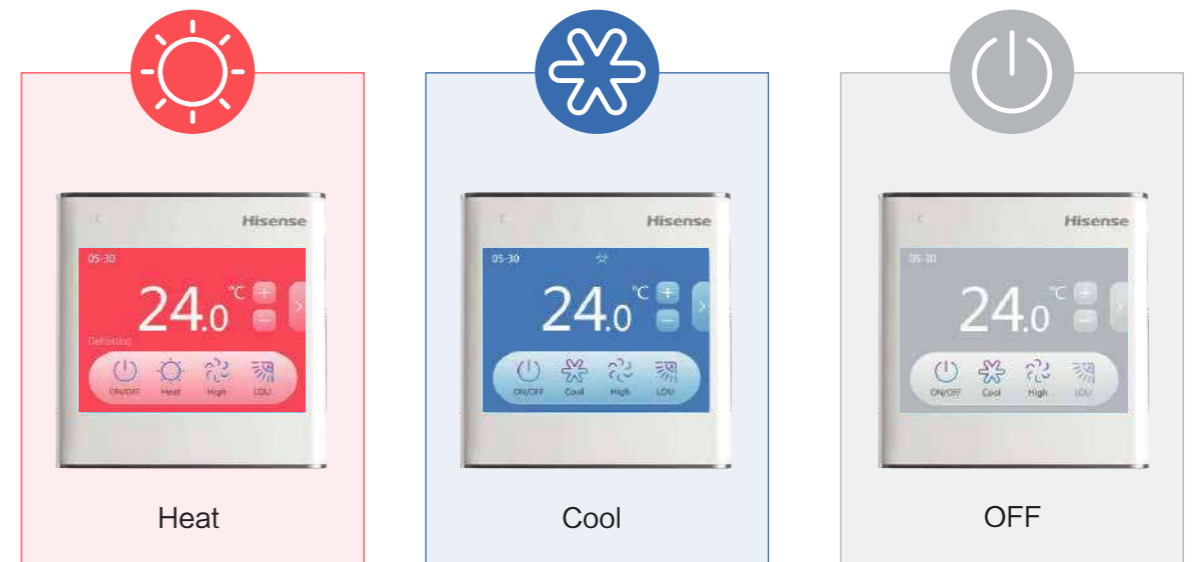


Mode	Cool/Heat/Auto/Fan/Dry
Timer	24-hour/Weekly schedule/Holiday setting
Maintenance	Error code/Parameter check/Auto test run/ Indoor&Outdoor PCB checking/Self diagnostic function
Louver	Louver setting/Individual louver control/ 3D-air flow
Special function	Breeze mode/Motion sensor/Health/ Hi-Motion/ECO/Quiet/Sleep/Self-cleaning
Fan speed	6
Temperature setting	0.5°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:
VB01A: English, Turkish, Russian,
German, Arabic, spanish
VB01A#01: English, French, Italian,
Dutch, Polish, Thai

Colorful Screen



HYXE-VC01



Features

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

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

HYXE-VA01A



Features

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

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

HYXE-J01H



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

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

HYXE-S01H



Features

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

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

Wireless Controller

HYE-VD01



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

Features

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

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

Receiver Kit for Wireless Control-Optional

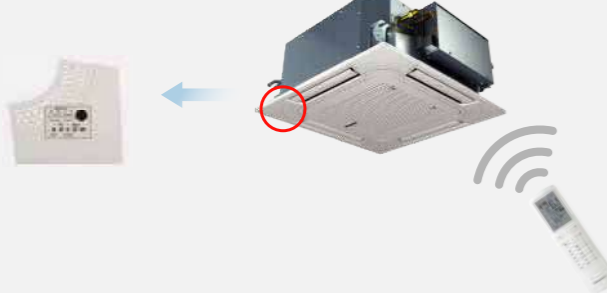
HYRE-X01H



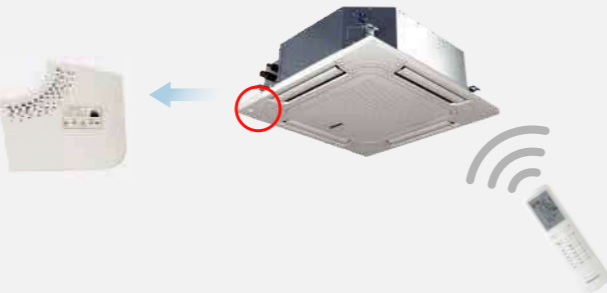
HYRE-V02H



HYRE-Z01H



HYRE-T03H



Centralized Control

Smart Touch II

HYJM-RA10D



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

Features

- 10 inch colorful touch screen
- Size: 170mm × 252mm × 37mm
- Connected quantity:
160 indoor units, 64 outdoor units
and 20 air to water systems
- 14 different languages:
English, French, Spanish, German,
Italian, Dutch, Polish, Turkish, Russian,
Arabic, Portuguese, Vietnamese, Thai,
Chinese

ON/OFF Controller

HYJ-J01H



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

Features

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

Hi-Cloud Manager

Hisense Intelligent Control Solution



Intelligent Control

What is Hi-Cloud Manager?

Hi-Cloud Manager is the unified access management of Hisense HVAC intelligent control. Users can log in the control web at anytime and anywhere.

Five "Clouds" are embed in the web interface including Hi-Mit Cloud, Smart Touch Cloud, Hi-Dom Cloud, Hi-Checker Cloud, and Distributor Cloud (specially for distributors).

Features:

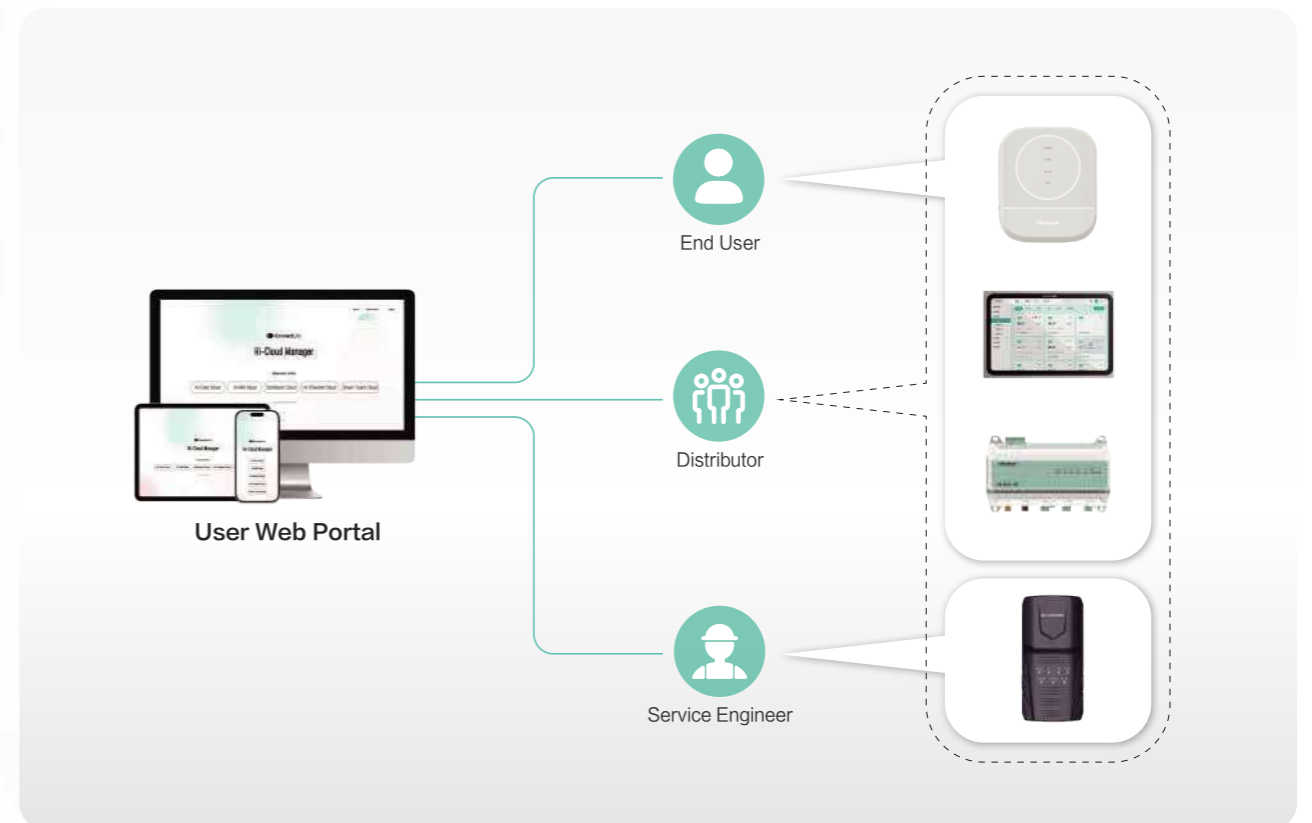
- Centralized remote control
- Global project map
- Schedule management
- Overview of key data
- Project management
- Energy conservation management
- Operation statistics
- Regional plane navigation
- Alarm and message management

URL <https://hicloudmanager.hijuconn.com>

It's recommended to use the Chrome browser.

Users-friendly

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



Hi-Mit II



Anytime and anywhere, control is in your hands

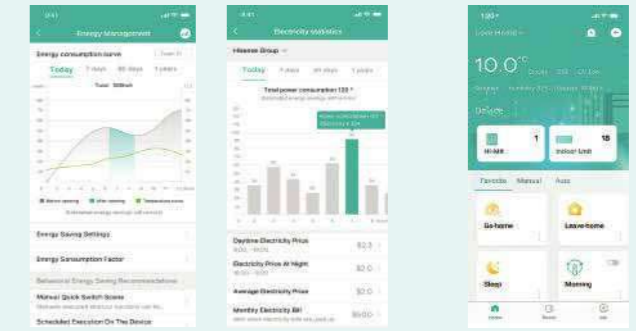
Brand-new Adapter and App

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



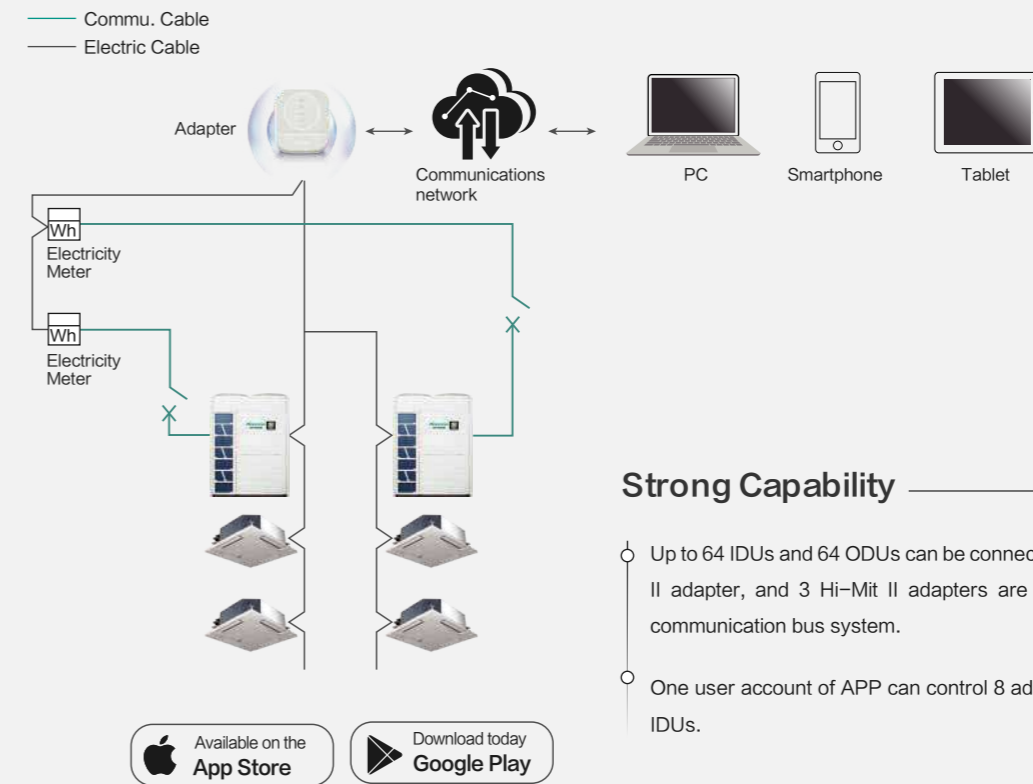
Convenient Control

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



Energy management interface

Customized mode interface



Strong Capability

- Up to 64 IDUs and 64 ODUs can be connected to one Hi-Mit II adapter, and 3 Hi-Mit II adapters are available in one communication bus system.
- One user account of APP can control 8 adapters, up to 512 IDUs.

Specifications

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



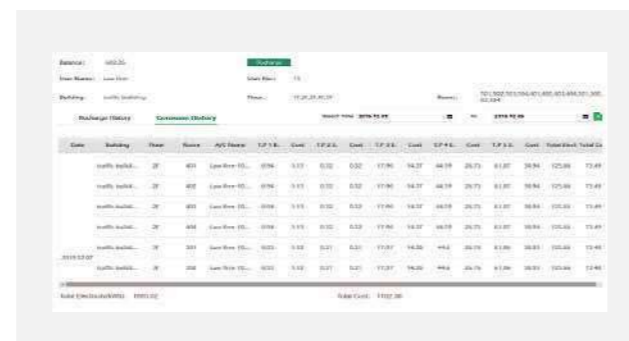
Hi-Dom III

Features

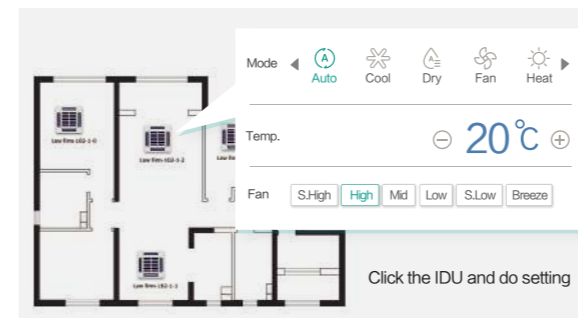
- Remote control available
- Multilevel user management
- AC control (on-off, mode, temp, air flow)
- AC locked control (running forbidden control, the max. and min. temp and cooling/heating locked)
- Running according to timer
- Malfunction history check
- Running record display
- Data synchronize
-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

● Humanized interaction interface and comfortable user experience.

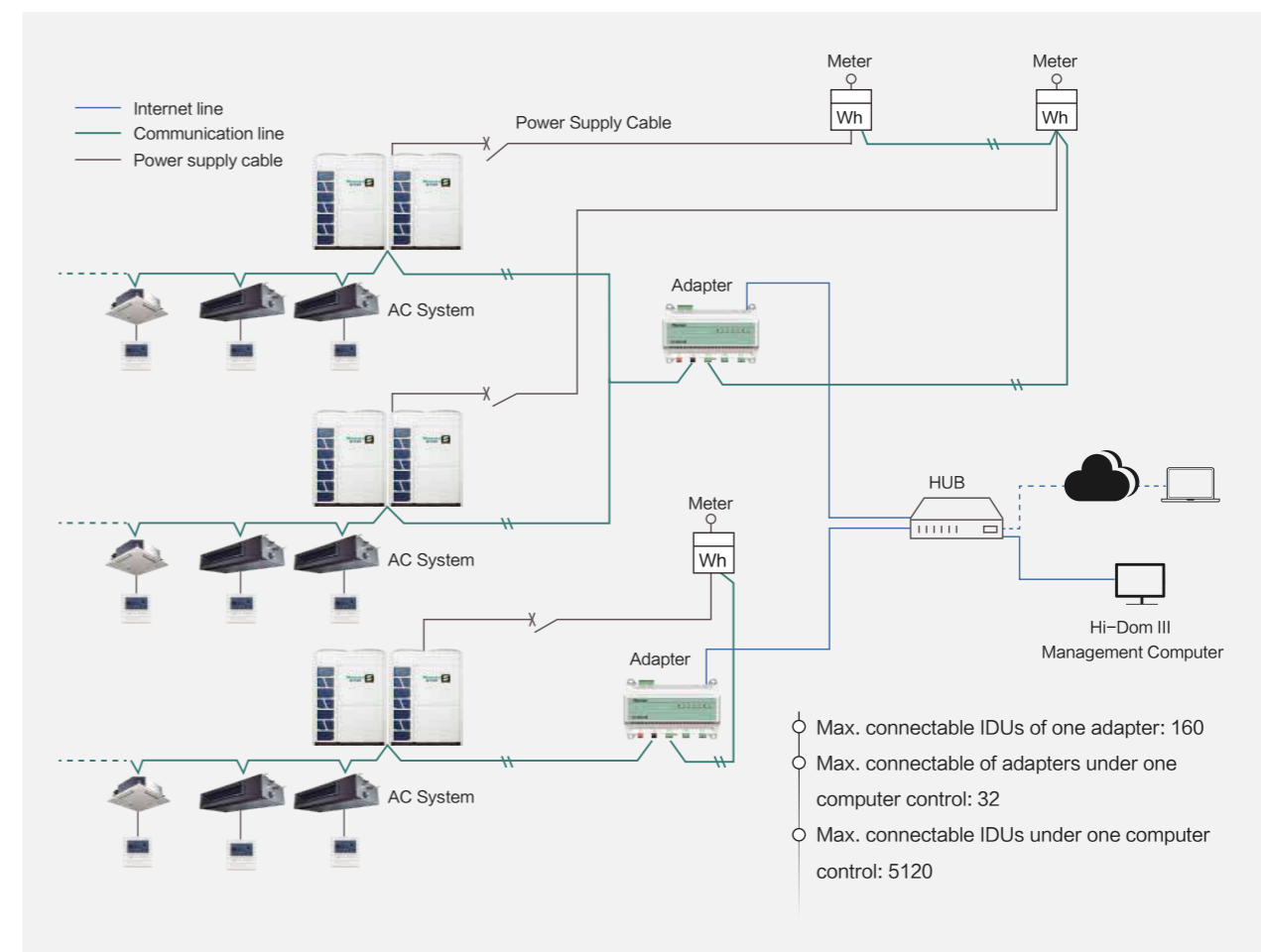
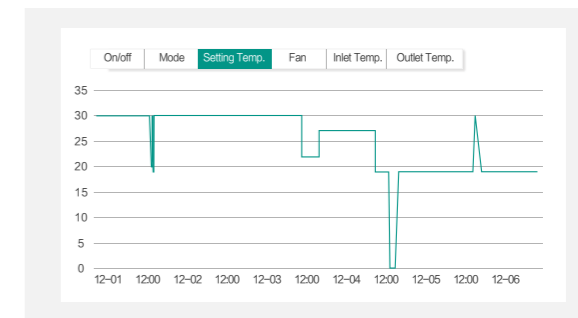
● The electricity consumption allocation makes it easy for users to allocate total electricity consumption among building occupants. Both segmented tariff and single tariff are available.



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



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



Specifications

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



Intelligent service tool, improves your service

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



Small and Portable Body



Remote Access



Black Box Function



Powerful Charts



OTA Update

Easy to Use

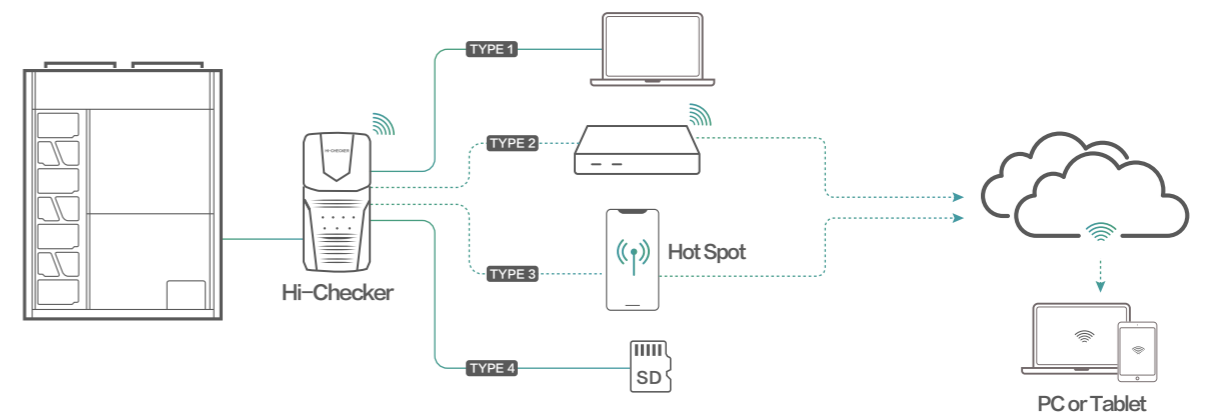
- Compact size which allows high portability and space saving.
- Capable to slot in a 32G memory card for data collection and storage. Also the memory card and card reader are standard with Hi-Checker.
- Multiple choices of power supply types. It can be powered by the standard adapter (DC 5V), computer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



Easy to Access

4 Ways to Access the Operation Data

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



Easy to Understand

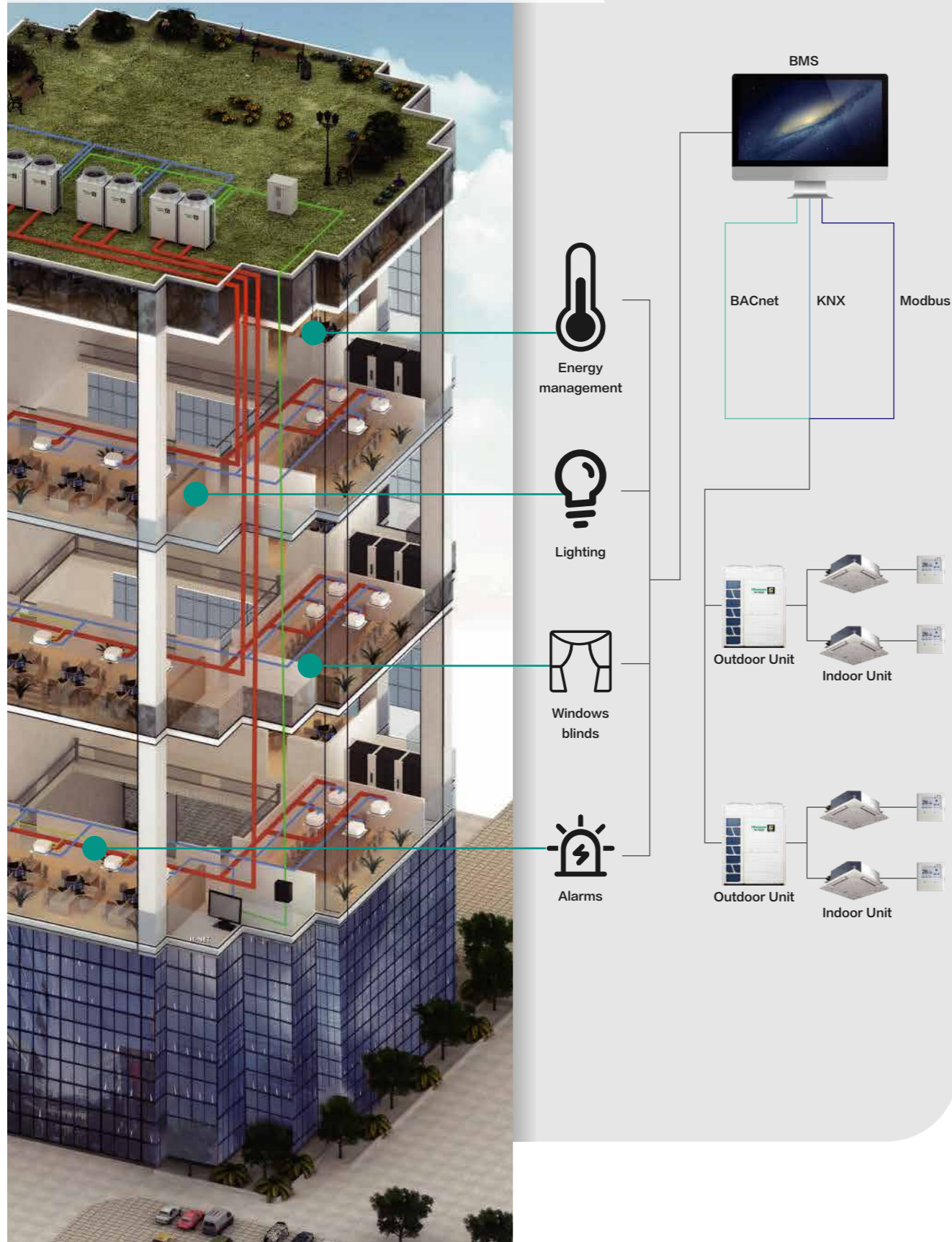
- Powerful and detailed chart analysis on the operation data, allowing users to determine the system condition easily. Together with the smart system diagram, it is interesting and easier for maintenance.
- Users can export the professional report either in .csv or .pdf format, very user-friendly.



Specifications

Mode	Size (LxWxH)mm	Net Weight (g)	Power Supply	Connectable IDUs
HCCS-H64H2C2M	138x68x28	130	5V=500mA	160

Building Management System



KNX®

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

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

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

Modbus®

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

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

BACnet®

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

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


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

ACCESSORIES & ENGINEERING TOOLS




Accessories


Hi-Motion

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


Motion Sensor

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


Fresh Air Duct Adapter


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

Humidity Sensor


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

Filter

Filter model	Filter Dimension	Frame Dimension	Application Models	Picture
HF-224L-FE	910 × 432.5mm	1055 × 463mm	AVD-76UX6SEH/L	
HF-280L-FE	1100 × 432.5mm	1245 × 463mm	AVD-76/96HJFH AVD-96UX6SFH/L	

Filter box model	Dimension (L × W × H) mm	Applicable Models	Applicable Filter	Picture
HFB-96LFGDE	1339 × 384 × 462	AVD-76/96HJFH	High-efficiency filter:HF-96HFGDE Coarse filter:HF-96LFGDE	



Drain Pump

Model	Applicable Models	Power Supply	Picture
HPS-F133E	AVD-07-24HJFH / AVD-07-24HCFCF / AVD-07-24HCFL	220-240V/50Hz	
HPS-F363E	AVD-24HJFH1 / AVD-30-54HJFH / AVD-27-54HCFCF / AVD-27-54HCFL		
HPS-F134E	AVD-07-24H3FCH	208-230V/60Hz	
HPS-F364E	AVD-27-54H3FCH		
HPS-151	All the High/Low Static Pressure Ceiling Ducted Units and All Fresh Air IDU 3-10HP	220-240V/50/60Hz	
HPS-F8103E	AVD-76/96HJFH	220-240V/50/60Hz	


3D Air-flow Panel

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

AirPure Kit

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

Voltage Protector

Model	Power Supply	Dimension (H × W × D)	Picture
HOPT-EOUPA01	AC 3Φ, 380V~415V/50Hz	295 × 222 × 103mm	

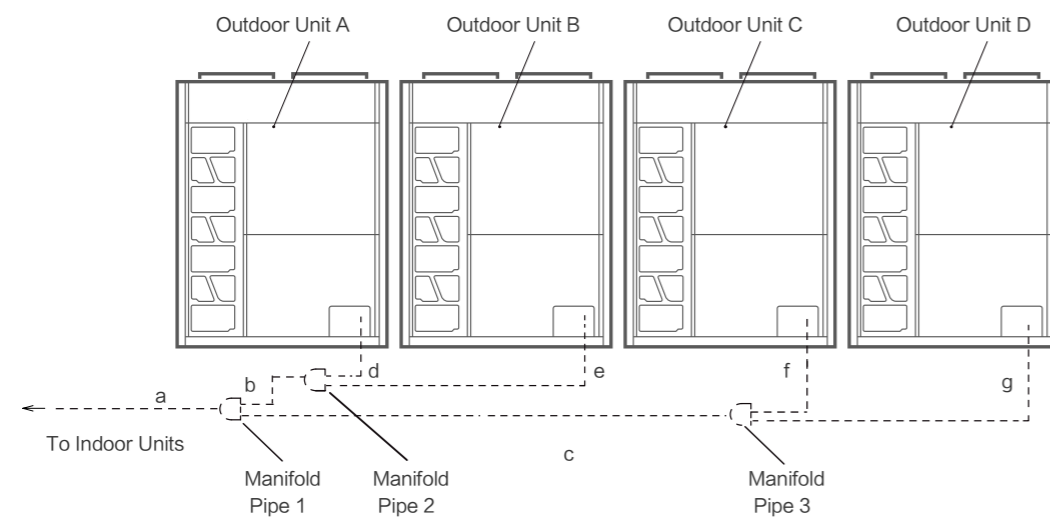
Note: Suitable for Hi-FLEXi S series, S series heat recovery unit and S mavo+ unit.

Piping Connection Kit

There are two types of piping connection kit, non-insulation type and insulation type. The models below are the referenced models without suffix. Please contact with our engineer for detailed model information when ordering.

Manifold Pipe (For outdoor unit)

(Indoor Unit on Left Side)



For S Series Heat Recovery 2 Pipes System

Outdoor Unit	AVWT-290-522FKFSA	AVWT-544FKFSA	AVWT-552-634FKFSA	AVWT-654-794FKFSA	AVWT-816FKFSA	AVWT-824-968FKFSA	AVWT-988-1066FKFSA	AVWT-1088FKFSA
Manifold Pipe1	HFQ-M32F	HFQ-M462F	HFQ-M462F	HFQ-M682F	HFQ-M682F	HFQ-M682F	HFQ-M682F	HFQ-M682F
Manifold Pipe2	-	-	HFQ-M32F	HFQ-M32F	HFQ-M462F	HFQ-M32F	HFQ-M462F	HFQ-M462F
Manifold Pipe3	-	-	-	-	-	HFQ-M32F	HFQ-M32F	HFQ-M462F

For S Series Heat Recovery System

Outdoor Unit	AVWT-290-344FKFSA	AVWT-360-522FKFSA	AVWT-544FKFSA	AVWT-552FKFSA	AVWT-570-634FKFSA	AVWT-654-794FKFSA	AVWT-816FKFSA	AVWT-824-968FKFSA	AVWT-988-1066FKFSA	AVWT-1088FKFSA
Manifold Pipe1	HFQ-M212F	HFQ-M302F	HFQ-M462XF	HFQ-M462XF	HFQ-M462XF	HFQ-M682XF	HFQ-M682XF	HFQ-M682XF	HFQ-M682XF	HFQ-M682XF
Manifold Pipe2	-	-	-	HFQ-M212F	HFQ-M302F	HFQ-M302F	HFQ-M462XF	HFQ-M302F	HFQ-M462XF	HFQ-M462XF
Manifold Pipe3	-	-	-	-	-	-	-	HFQ-M302F	HFQ-M302F	HFQ-M462XF

For S Series System

Outdoor Unit	AVWT-290-422HKSS	AVWT-444-544HKSS	AVWT-552-634HKSS	AVWT-654HKSS	AVWT-676-816HKSS	AVWT-824-886HKSS	AVWT-908-1088HKSS
Manifold Pipe1	HFQ-M32F	HFQ-M462F	HFQ-M462F	HFQ-M682F	HFQ-M682F	HFQ-M682F	HFQ-M682F
Manifold Pipe2	-	-	HFQ-M32F	HFQ-M32F	HFQ-M462F	HFQ-M462F	HFQ-M462F
Manifold Pipe3	-	-	-	-	-	HFQ-M32F	HFQ-M462F

For S mavo+ Series System

Outdoor Unit	AVWT-290-422HKFSEA	AVWT-444-544HKFSEA	AVWT-552-634HKFSEA	AVWT-654-696HKFSEA	AVWT-714-816HKFSEA	AVWT-824-886HKFSEA	AVWT-908-1088HKFSEA
Manifold Pipe1	HFQ-M32F	HFQ-M462F	HFQ-M462F	HFQ-M682F	HFQ-M682F	HFQ-M682F	HFQ-M682F
Manifold Pipe2	-	-	HFQ-M32F	HFQ-M32F	HFQ-M462F	HFQ-M462F	HFQ-M462F
Manifold Pipe3	-	-	-	-	-	HFQ-M32F	HFQ-M462F

For X Series System

Outdoor Unit	AVWT-172-229UESZX	AVWT-250-307UESZX	AVWT-324-386UESZX	AVWT-404-460UESZX	AVWT-480-620UESZX
Manifold Pipe1	HFQ-M22F	HFQ-M32F	HFQ-M32F	HFQ-M32F	HFQ-M462F
Manifold Pipe2	-	-	HFQ-M22F	HFQ-M32F	HFQ-M32F
Manifold Pipe3	-	-	-	-	HFQ-M32F

Branch Pipe (For indoor unit)

First Branch Pipe

For S Series Heat Recovery 2 Pipes System

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 54	56 to 66	68 to 112
Branch Pipe	HFQ-102F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-462F	HFQ-682F

For S Series Heat Recovery System

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 36	38 to 54	56 to 66	68 to 112
Branch Pipe	HFQ-M282F	HFQ-M452F	HFQ-M562F	HFQ-M692F	HFQ-M902F	HFQ-462XF	HFQ-682XF

For S/S mavo+ Series System

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 44	46 to 66	68 to 112
Branch Pipe	HFQ-102F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-462F	HFQ-682F

For X Series System

Outdoor Unit HP	8 to 10	12 to 16	18 to 24	26 to 48	50 to 64
Branch Pipe	HFQ-102F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-462F

First Branch Pipe~Last Branch Pipe

For S Series Heat Recovery 2 Pipes System

Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 25.99	26 to 35.99	36 to 55.99	56 to 57.99	58 to 67.99	Over 68
Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	31.75	38.1	41.3	44.5	50.8
Liquid (mm)	9.53	9.53	9.53	12.7	12.7	15.88	19.05	19.05	22.2	22.2	25.4
Branch Pipe	HFQ-102F	HFQ-102F	HFQ-102F	HFQ-162F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-302F	HFQ-462F	HFQ-462F	HFQ-682F

For S Series Heat Recovery System

Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 21.99	22 to 25.99	26 to 35.99	36 to 55.99	56 to 57.99	58 to 67.99	Over 68
Low Pressure Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	28.6	31.75	38.1	41.3	44.5	50.8
High/Low Pressure Gas (mm)	12.7	15.88	19.05	22.2	22.2	22.2	25.4	28.6	31.75	38.1	41.3	44.5
Liquid(mm)	9.53	9.53	9.53	12.7	12.7	15.88	15.88	19.05	19.05	22.2	22.2	25.4
Branch Pipe	HFQ-M142F	HFQ-M282F	HFQ-M282F	HFQ-M452F	HFQ-M562F	HFQ-M562F	HFQ-M692F	HFQ-M692F	HFQ-M902F	HFQ-462XF	HFQ-462XF	HFQ-462XF

For S/S mavo+ Series System

Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 25.99	26 to 33.99	34 to 45.99	46 to 58.99	59 to 68.99	Over 69
Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	31.75	38.1	41.3	44.5	50.8
Liquid (mm)	9.53	9.53	9.53	12.7	12.7	15.88	19.05	19.05	22.2	22.2	25.4
Branch Pipe	HFQ-102F	HFQ-102F	HFQ-102F	HFQ-162F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-302F	HFQ-462F	HFQ-462F	HFQ-682F

For X Series System

Total Indoor Unit Hp	Lower than 6	6 to 8.99	9 to 11.99	12 to 15.99	16 to 17.99	18 to 25.99	26 to 35.99	36 to 47.99	48 to 57.99	58 to 64
Gas (mm)	15.88	19.05	22.2	25.4	28.6	28.6	31.75	38.1	41.3	44.5
Liquid (mm)	9.53	9.53	9.53	12.7	12.7	15.88	19.05	19.05	22.2	22.2
Branch Pipe	HFQ-102F	HFQ-102F	HFQ-102F	HFQ-162F	HFQ-162F	HFQ-242F	HFQ-302F	HFQ-302F	HFQ-462F	HFQ-462F

Last Branch Pipe~Indoor Unit

Indoor Unit	Pipe Size (Φmm)		Max. Liquid Pipe Length
	Gas Pipe	Liquid Pipe	
7kBtu/h~14kBtu/h	12.70	6.35**	40
17kBtu/h~18kBtu/h	15.88	6.35**	40
22kBtu/h~54kBtu/h	15.88	9.53	40
76kBtu/h	19.05	9.53	40
96kBtu/h	22.20	9.53	40

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

Manifold Pipe Parameter

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

Model	Gas Line	Liquid Line	Reducer for Gas Line	Reducer for Liquid Line
HFQ-M22F#E HFQ-M22F#ES				—
HFQ-M32F#E HFQ-M32F#ES				—

Manifold Pipe Parameter

Model	Gas Line	Liquid Line	Reducer for Gas Line	Reducer for Liquid Line
HFQ-M462F#E HFQ-M462F#ES				
HFQ-M682F#E HFQ-M682F#ES				—

Model	Low Pressure Gas Line	High Pressure Gas Line	Liquid Line	Reducer for Low Pressure Gas Line	Reducer for High Pressure Gas Line	Reducer for Liquid Line
HFQ-M1212F#E						—
HFQ-M302F#E						—
HFQ-M462XF#ES						
HFQ-M682XF#ES						—

Note: The model with #E stands for non-insulation type, while with #ES represents insulation type.

Branch Pipe Parameter

Model	Low Pressure Gas Line	High Pressure Gas Line	Liquid Line	Reducer for Low Pressure Gas Line	Reducer for High Pressure Gas Line	Reducer for Liquid Line
HFQ-M142F#E				—	—	
HFQ-M282F#E				—	—	
HFQ-M452F#E						
HFQ-M562F#E						
HFQ-M692F#E						
HFQ-M902F#E						
HFQ-462XF#ES						
HFQ-682XF#ES						

Note: The model with #E stands for non-insulation type, while with #ES represents insulation type.

Branch Pipe Parameter

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

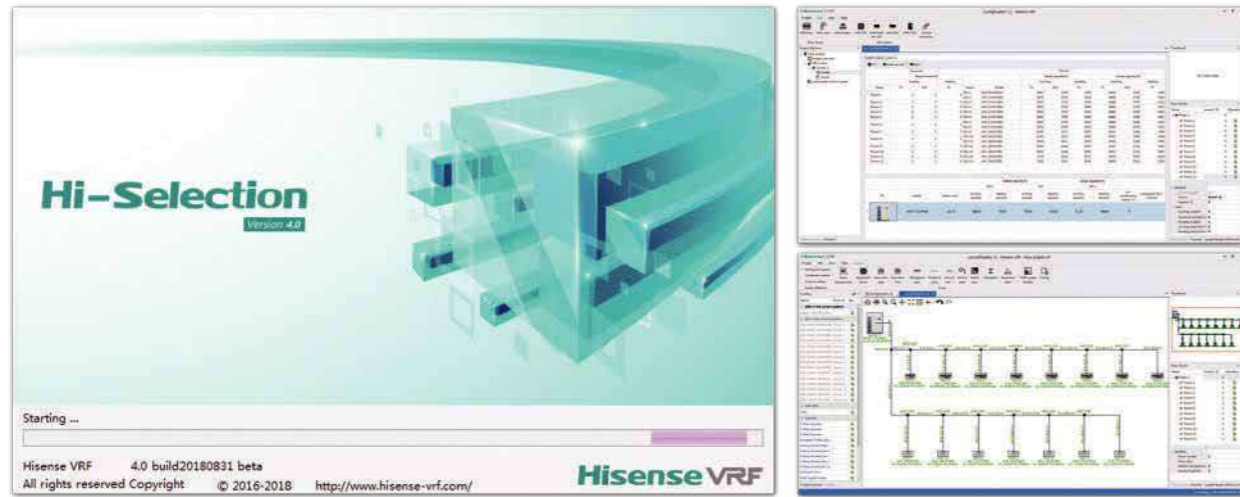
Note: The model with #E stands for non-insulation type, while with #ES represents insulation type.

RELIABILITY
EFFICIENCY
COMFORT
FLEXIBILITY
OUTDOOR UNIT
INDOOR UNIT
CONTROL SYSTEM
ACCESSORY

Engineering Tools

Hi-Selection Software

Hi-Selection software developed by Hisense VRF is a Windows based program which support Windows XP and higher operating systems. It offers multiple languages to allow and eases users from different countries. Latest product specification and information could be obtained from the software as it supports database updates. The highlight of the software being architectural floor plans and drawings of any formats, be it a DWG, PDF, JPG or PNG could be imported either be exported at the end of the design. With the software, equipment selection, piping and wiring drawing could be done automatically at the tips of your fingers.



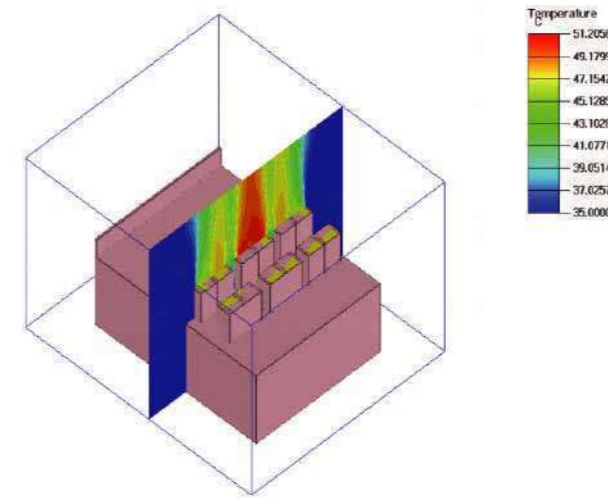
Design Software

Hisense VRF design software is a AUTOCAD plug-in, supporting AUTOCAD version 2008 to 2020 in both 32-bit and 64-bit operating system. It consists of the complete online up-to-date product range database. Functions offer by the software include system piping calculation, refrigerant charge amount and many more.



CFD

Hisense VRF offers Computational Fluid Dynamics (CFD) simulations as named as the best method to analyze building airflow ventilation. The simulation provides detailed and easy-to-understand results at the end of the simulation with colors and lines contours according to personal preferences.



BIM

Building Information Modelling (BIM) is an umbrella term to cover many aspects of building modeling. With the Revit families and 3D models provides by Hisense.



GCSS

Hisense Global Customer Service System (GCSS) is an after-sales online website-based administration system widely offering to Hisense certified service partners and agents whereby improving customer's after-sales convenience and efficiency. 4 main services offered by the website include life-cycle project management, spare part and order delivery management and monitoring, warranty claim and online center hotline.

