

GMV X Cooling Only



Efficient Performance

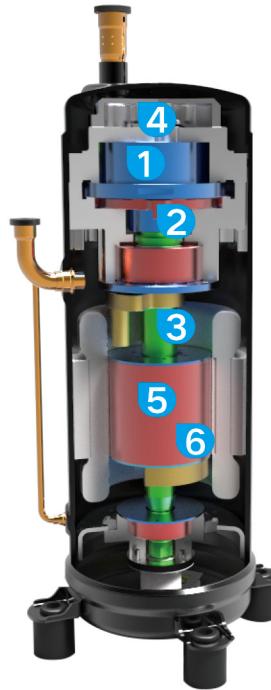
New High-efficiency Scroll Compressor

The efficient scroll compressor adopts superior high-pressure cavity design, without inhalation and overheating loss, and can achieve 0-390Hz speed adjustment.

- 1** High-strength asymmetric line
Adopt the high-strength asymmetric line to effectively reduce the loss of air inhalation and air exhaust for improving the volumetric efficiency.

- 2** Floating back pressure step-type axial sealing
Automatically adjust the seal with the working conditions, realizing efficient compression under the whole working conditions.

- 3** Low-modal rotor bearing support structure
Low noise operation under 10-130rps wide rotating speed range



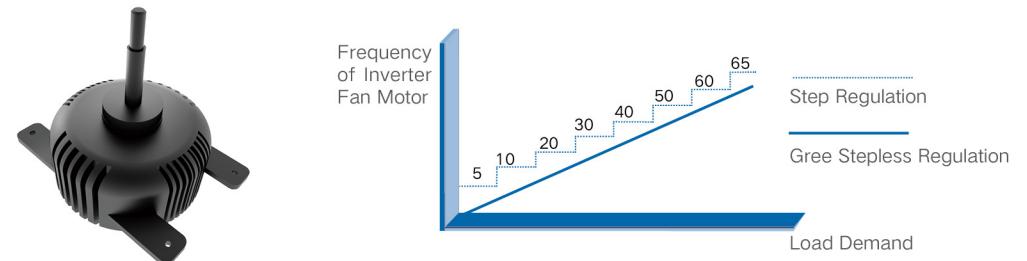
- 4** Exhaust pulse inhibitory structure
Reduce the noise for quiet operation.

- 5** High convex ratio design
The new high-efficiency magnetic reluctance motor, with multi-layer magnetic barrier structure, is stronger than ordinary DC inverter motor, with strong magnetic ability and high efficiency.

- 6** High-reliable permanent magnet
It adopts permanent magnet with positive coercivity coefficient. Its resistance to demagnetization increases with the temperature rising. It's suitable for high temperature and high pressure environment.

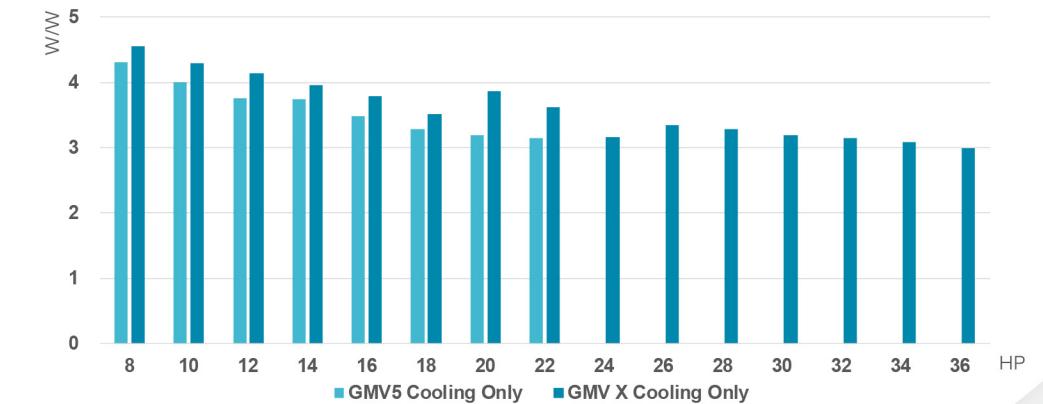
Sensorless DC Inverter Fan Motor

Adopt the DC inverter motor with high back electromotive force to realize stepless speed adjustment within 5~65Hz, and the precision is 1Hz, with low operating current, low motor input power, and high efficiency.



High Efficiency and Energy Saving

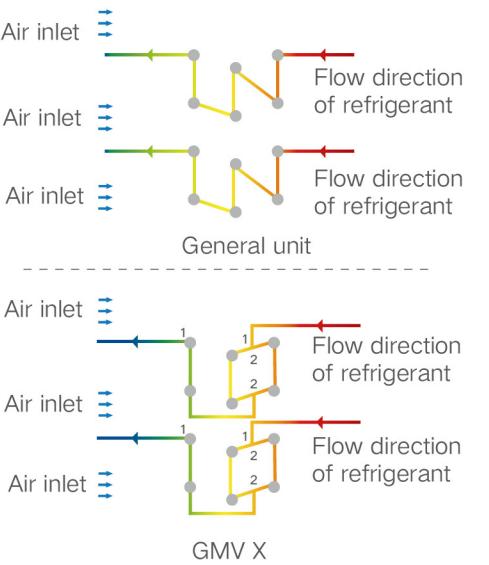
With the new generation of high-efficiency system design, EER has been increased by 10% over the previous generation.



The Largest Overall High-efficiency G-shape Heat Exchanger

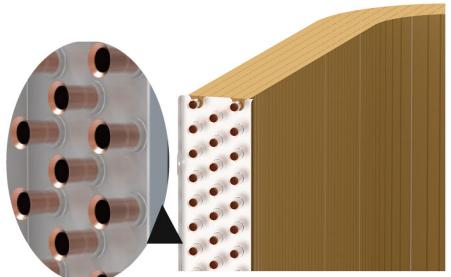
G-shape Integrated Heat Exchanger

The advanced integrated molding process scheme is adopted. The length of the single heat exchanger is up to 4.2m, which improves the space utilization efficiency, the heat exchanger area and the heat exchange efficiency. The differential partition design of the flow path of the heat exchanger makes the flow more reasonable; combined with the 1-2-2-1 flow path design, the efficiency is higher.



Multi-row Small Diameter Design

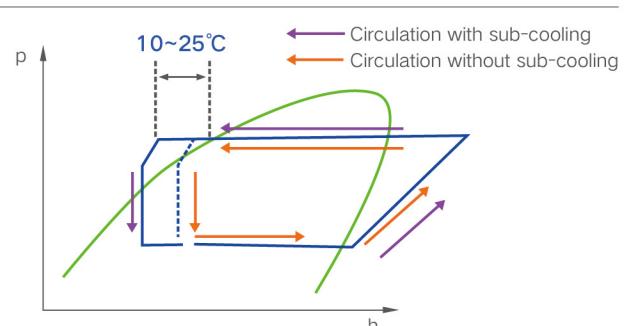
Single pipe of refrigerant pipeline adopts $\varphi 7\text{mm}$ and 3-row design, which can reduce the flowing resistance of refrigerant inside the pipe and effectively increase the heat exchange area of refrigerant, so as to optimize and improve the heat exchange efficiency.



*Note: Applicable for some models.

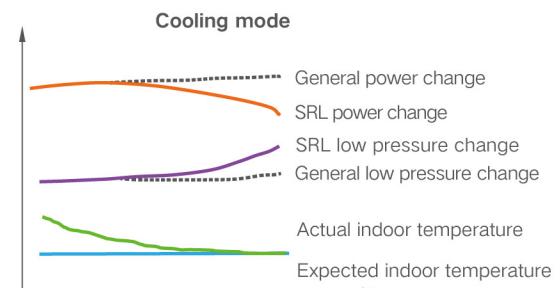
Enhanced Sub-cooling Design

With maximizing sub-cooling technology, maximum sub-cooling reaches 25°C , which can ensure the operating performance under the long connection pipe.



SRL Load Self-adapting Control

SRL(Self-Reaction Load) can intelligently detect and control refrigerant pressure and temperature according to user status and indoor temperature changes, automatically adapt to indoor load and achieve energy-saving balance control.



Double Energy-saving Modes

With the deepening of energy conservation and emission reduction, and the increasing requirements for urban electricity consumption, especially during the peak season of electricity consumption in summer, many cities will issue corresponding electricity curtailment measures. GMV X has a variety of operating modes for users to choose, to meet the city's peak power consumption and power limit requirements.

Capacity Priority Mode

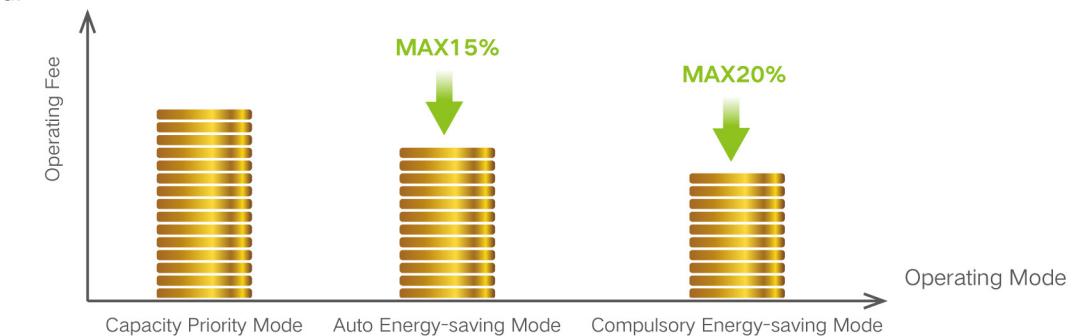
When the power supply is sufficient, it will satisfy the using capacity demand in priority. This mode is default mode.

Auto Energy-saving Mode

When this mode is activated, the system will automatically adjust the control parameters according to operating status, and automatically balance the capacity and energy consumption to realize the minimization of bilateral impact.

Compulsory Energy-saving Mode

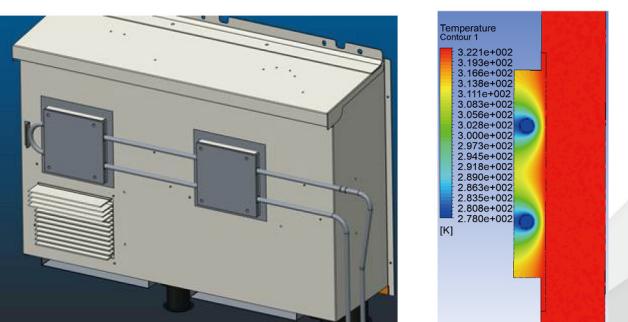
Compulsorily limit the output of outdoor unit to satisfy the using capacity demand in priority. 90% and 80% capacity proportion can be selected to limit the output according to the power consumption of unit and user demand.



High Reliability

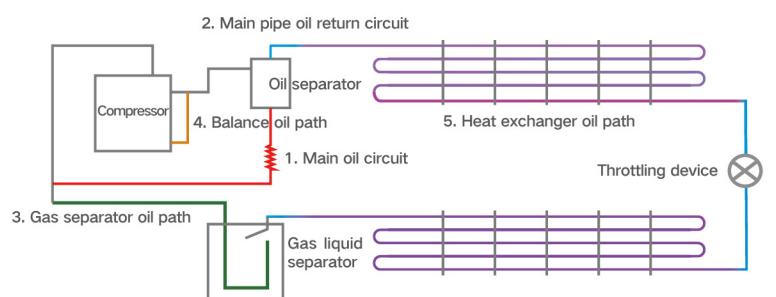
Refrigerant Cooling Technology

The mainboard uses refrigerant cooling, which improves the operating temperature of the driver components, prolongs the service life, and improves the stability and reliability of the unit.



Multi Oil Circuit Management

5 major oil paths ensure the smooth and reliable oil circuit.

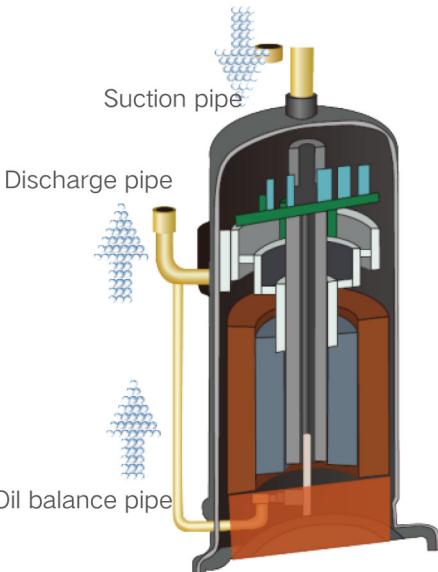


Reliable Oil Circuit Control Technology

GMV X Cooling Only has four advanced refrigerating oil circulation control technologies of oil separation, oil return, oil balance and oil storage, ensuring the safety and reliability of the compressor operation.

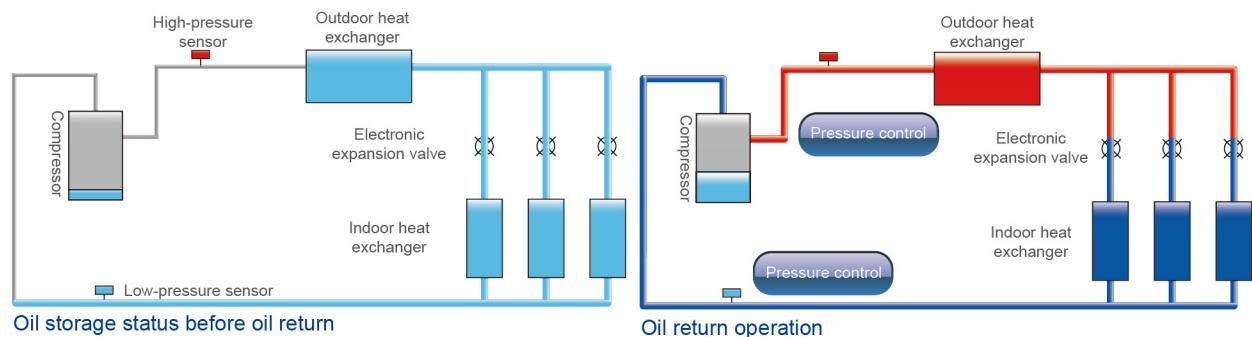
Oil Balance Control Technology

Refrigerant is taken into the compressor by the suction pipe and then runs through the cooling system. It can control the oil level and minimum oil volume required by each compressor so as to realize oil balance between each compressor.



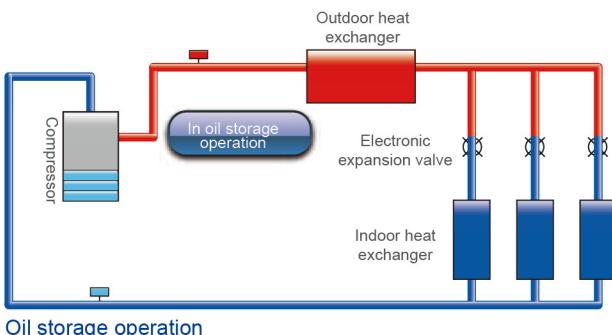
New Oil Return Control

Gree new oil return control technology effectively controls system oil return and oil storage status of each compressor, which greatly improves the operation lifespan of compressor.



Specialized Compressor Oil Storage Control

The system applies specialized compressor oil storage technology, which can control the lowest oil level for compressor operation.



Easy Installation and Service

Wide Capacity Range

15 basic models with a capacity range of 8~36HP support up to 4 models combination. The maximum combination is 128HP for wider cooling capacity range, and the adaptability of engineering capacity design is further improved.

15 basic models, capacity range 8HP-36HP



8-24HP combination models: 36

Combination models capacity range: 26HP-96HP

Support up to 4 models combination

2 units: 26 – 48 HP



3 units: 50 – 72 HP

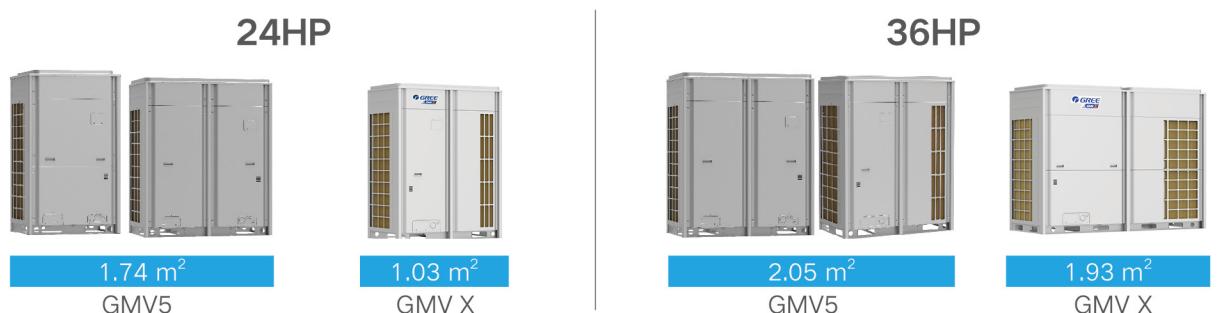


26-36HP combination models: 37
 Combination models capacity range: 52HP-128HP
 Support up to 4 models combination(Max. 128HP)



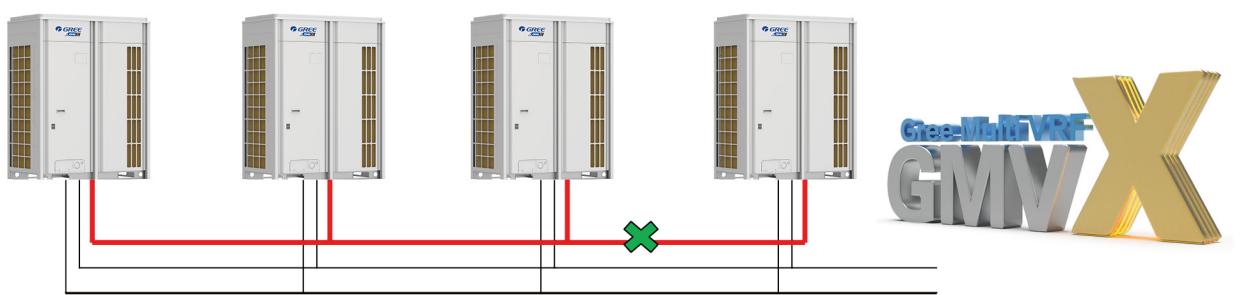
Smaller Footprint, Saving Installation Space

The new generation 24HP model footprint is 41% lower than the previous generation; 36HP is 6% lower than the previous generation.



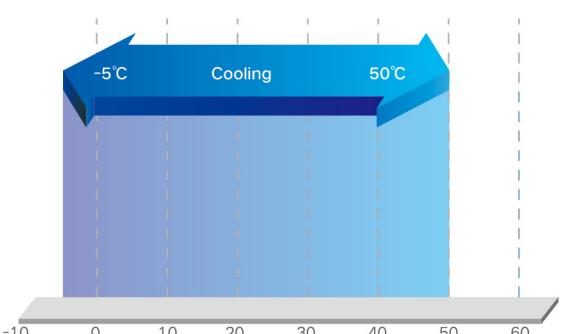
Self-balancing Control without Oil Balance Pipe

There is no need for external oil balance pipe. By collecting and calculating the capacity output and threshold of each module, the distribution of refrigerating oil is automatically controlled to ensure stable operation of the system.



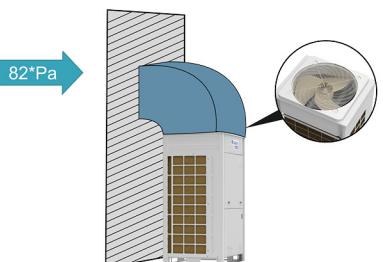
Wider Operating Range

Outdoor operating temperature range is improved to -5°C ~50 °C



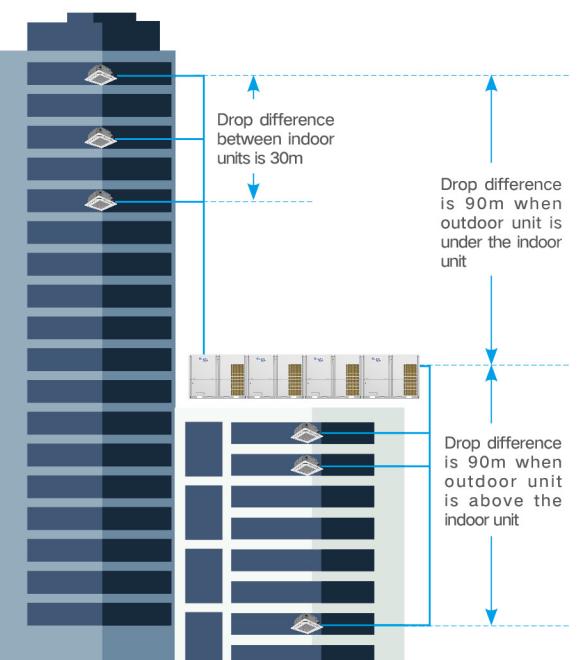
Super-high Static Pressure Design

The unit has four kinds of static pressure (0Pa, 30Pa, 50Pa, 82Pa). You can choose corresponding static pressure according to the building type.



Note: Applicable for some models.

Long Refrigerant Pipe Design



The outdoor unit to the farthest indoor unit:

- The maximum equivalent single pipe length is 190m
- The maximum actual single pipe length is 165m
- The maximum total connection pipe length is 1000m
- The maximum distance from the indoor unit to the first branch pipe is 90*m.

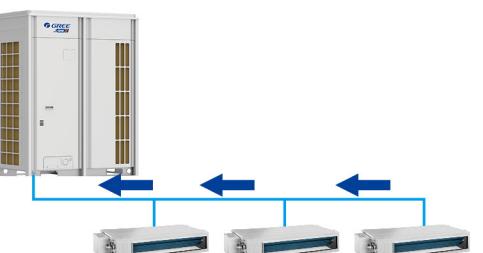
Maximum drop difference between indoor unit and outdoor unit:

- Drop difference is 90m when the outdoor unit is below the indoor unit
- Drop difference is 90m when the outdoor unit is over the indoor unit
- Maximum drop difference between indoor units is 30m.

*Please consult the sales representatives for details.

New Generation Refrigerant Recovery Function

The new generation of indoor unit refrigerant recovery and module refrigerant recovery functions can effectively recover the refrigerant of the indoor unit or the faulted outdoor unit during after-sales maintenance, reducing refrigerant waste and saving maintenance time.



ODU Specifications

Model		GMVL-224WM/A-X(P)	GMVL-280WM/A-X(P)	GMVL-335WM/A-X(P)	GMVL-400WM/A-X(P)	GMVL-450WM/A-X(P)
Capacity range	HP	8	10	12	14	16
Cooling capacity	kW	22.4	28.0	33.5	40.0	45.0
EER	W/W	4.55	4.30	4.14	3.95	3.79
Power supply	V/Ph/Hz	380-415V 3N~ 50/60Hz				
Min. circuit/Max. fuse current	A	16.1/20.0	20.9/25.0	24.0/25.0	28.8/32.0	33.2/40.0
Power consumption	Cooling	kW	4.92	6.51	8.09	10.12
Airflow volume	m³/h	11400	11400	11400	14000	14000
ESP	Pa	82	82	82	82	82
Max.drive IDU NO.	unit	13	16	19	23	26
Sound pressure level	dB(A)	58	59	61	61	62
Refrigerant charge volume	kg	5.9	6.7	6.7	8.7	8.7
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7
	Gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4
Dimension (W×D×H)	Outline	mm	930×765×1605	930×765×1605	930×765×1605	1340×765×1605
	Package	mm	1010×840×1775	1010×840×1775	1010×840×1775	1420×840×1775
Net weight/Gross weight	kg	215/225	215/225	215/225	275/290	275/290
Loading quantity	40' GP	unit	28	28	28	22
	40' HQ	unit	28	28	22	22
Model		GMVL-504WM/A-X(P)	GMVL-560WM/A-X(P)	GMVL-615WM/A-X(P)	GMVL-680WM/A-X(P)	GMVL-730WM/A-X(P)
Capacity range	HP	18	20	22	24	26
Cooling capacity	kW	50.4	56.0	61.5	68.0	73.0
EER	W/W	3.52	3.86	3.62	3.16	3.35
Power supply	V/Ph/Hz	380-415V 3N~ 50/60Hz				
Min. circuit/Max. fuse current	A	35.1/40.0	39.3/50.0	42.9/50.0	49.2/63.0	53.6/63.0
Power consumption	Cooling	kW	14.30	14.49	17.01	21.53
Airflow volume	m³/h	14000	16000	16000	16000	26000
ESP	Pa	82	82	82	82	30*
Max.drive IDU NO.	unit	29	33	36	39	43
Sound pressure level	dB(A)	63	64	65	66	66
Refrigerant charge volume	kg	8.7	14.3	14.3	14.3	11.0
Connecting pipe	Liquid	mm	Φ15.9	Φ15.9	Φ15.9	Φ19.05
	Gas	mm	Φ28.6	Φ28.6	Φ28.6	Φ31.8
Dimension (W×D×H)	Outline	mm	1340×765×1605	1340×765×1740	1340×765×1740	1340×765×1740
	Package	mm	1420×840×1775	1420×840×1910	1420×840×1910	1420×840×1910
Net weight/Gross weight	kg	275/290	375/390	375/390	375/390	490/520
Loading quantity	40' GP	unit	22	22	22	12
	40' HQ	unit	22	22	22	12
Model		GMVL-785WM/A-X(P)	GMVL-850WM/A-X(P)	GMVL-900WM/A-X(P)	GMVL-952WM/A-X(P)	GMVL-1010WM/A-X(P)
Capacity range	HP	28	30	32	34	36
Cooling capacity	kW	78.5	85.0	90.0	95.2	101.0
EER	W/W	3.28	3.20	3.15	3.08	3.00
Power supply	V/Ph/Hz	380-415V 3N~ 50/60Hz				
Min. circuit/Max. fuse current	A	55.4/63.0	55.4/63.0	71.5/80.0	71.5/80.0	71.5/80.0
Power consumption	Cooling	kW	23.93	26.56	28.57	30.91
Airflow volume	m³/h	26000	26000	28000	28000	28000
ESP	Pa	30*	30*	30*	30*	30*
Max.drive IDU NO.	unit	46	50	53	56	59
Sound pressure level	dB(A)	67	67	68	68	69
Refrigerant charge volume	kg	11.0	11.0	14.0	14.0	14.0
Connecting pipe	Liquid	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05
	Gas	mm	Φ31.8	Φ31.8	Φ31.8	Φ38.1
Dimension (W×D×H)	Outline	mm	2200×880×1675	2200×880×1675	2200×880×1675	2200×880×1675
	Package	mm	2267×952×1867	2267×952×1867	2267×952×1867	2267×952×1867
Net weight/Gross weight	kg	490/520	490/520	520/550	520/550	520/550
Loading quantity	40' GP	unit	12	12	12	12
	40' HQ	unit	12	12	12	12

Notes:
1. Cooling Capacity: Indoor temp.: 27°C DB, 19°C WB, Outdoor temp.: 35°C DB, Equivalent piping length: 7.5 m, Level difference: 0 m.
2. Sound Pressure Level: Anechoic chamber conversion value, measured at a position in front of the unit in a semi-anechoic room.
During actual operation, the value may be higher due to ambient noise and echoes of the installation conditions.
3. For the model of GMVL-730~1010WM/A-X(P), customized engineering service is needed if the outdoor static pressure is more than 0Pa.

ODU Combination Lineup

GMVL-680WM/A-X(P) and below capacity model combination methods

HP	Model	GMVL-224WM/A-X(P)	GMVL-280WM/A-X(P)	GMVL-335WM/A-X(P)	GMVL-400WM/A-X(P)	GMVL-450WM/A-X(P)	GMVL-504WM/A-X(P)	GMVL-560WM/A-X(P)	GMVL-615WM/A-X(P)	GMVL-680WM/A-X(P)
26	GMVL-735WM/A-X(P)	●								
28	GMVL-785WM/A-X(P)		●			●				
30	GMVL-839WM/A-X(P)			●						
32	GMVL-895WM/A-X(P)	●								
34	GMVL-950WM/A-X(P)		●							
36	GMVL-1015WM/A-X(P)			●						
38	GMVL-1064WM/A-X(P)				●					
40	GMVL-1119WM/A-X(P)					●				
42	GMVL-1175WM/A-X(P)						●			
44	GMVL-1230WM/A-X(P)							●		
46	GMVL-1295WM/A-X(P)							●		
48	GMVL-1360WM/A-X(P)								●	
50	GMVL-1399WM/A-X(P)								●	
52	GMVL-1455WM/A-X(P)	●								
54	GMVL-1510WM/A-X(P)		●							
56	GMVL-1565WM/A-X(P)			●						
58	GMVL-1623WM/A-X(P)				●					
60	GMVL-1679WM/A-X(P)					●				
62	GMVL-1734WM/A-X(P)						●			
64	GMVL-1790WM/A-X(P)							●		
66	GMVL-1845WM/A-X(P)							●		
68	GMVL-1910WM/A-X(P)								●	
70	GMVL-1975WM/A-X(P)									●
72	GMVL-2040WM/A-X(P)									●
74	GMVL-2069WM/A-X(P)					●				●
76	GMVL-2129WM/A-X(P)						●			●
78	GMVL-2190WM/A-X(P)				●					●
80	GMVL-2245WM/A-X(P)					●				●
82	GMVL-2295WM/A-X(P)						●			●
84	GMVL-2350WM/A-X(P)							●		●
86	GMVL-2414WM/A-X(P)							●		●
88	GMVL-2470WM/A-X(P)								●	●
90	GMVL-2525WM/A-X(P)								●	●
92	GMVL-2590WM/A-X(P)								●	●
94	GMVL-2655WM/A-X(P)								●	●
96	GMVL-2720WM/A-X(P)									●

GMVL-730WM/A-X(P) and above capacity model combination methods

HP	Model	GMVL-730WM/A-X(P)	GMVL-785WM/A-X(P)	GMVL-850WM/A-X(P)	GMVL-900WM/A-X(P)	GMVL-952WM/A-X(P)	GMVL-1010WM/A-X(P)

<tbl_r cells

ODU Combination Specifications

GMVL-680WM/A-X(P) and below capacity combination models

HP	Model	Power supply	Capacity	Power input	Dimension (W×D×H)	Airflow volume	ESP	Connecting pipe		Min.circuit current	Max. fuse current	Net weight	Net weight
			Cooling	Cooling				Liquid	Gas				
			kW	kW	mm	m ³ /h	Pa	mm	mm	A	A	kg	kg
26	GMVL-735WM/A-X(P)		73.5	30.30	(930×765×1605)×2	11400+14000	82	Φ19.05	Φ31.8	24.0+28.8	25+32	215+275	215+275
28	GMVL-785WM/A-X(P)		78.5	32.40	(930×765×1605)×2	11400+14000	82	Φ19.05	Φ31.8	24.0+33.2	25+40	215+275	215+275
30	GMVL-839WM/A-X(P)		83.9	33.40	(930×765×1605)×2	11400+14000	82	Φ19.05	Φ31.8	24.0+35.1	25+40	215+275	215+275
32	GMVL-895WM/A-X(P)		89.5	35.70	930×765×1605+(1340×765×1740)	11400+16000	82	Φ19.05	Φ31.8	20.9+42.9	25+50	215+375	215+375
34	GMVL-950WM/A-X(P)		95.0	37.80	930×765×1605+(1340×765×1740)	11400+16000	82	Φ19.05	Φ31.8	24.0+42.9	25+50	215+375	215+375
36	GMVL-1015WM/A-X(P)		101.5	40.50	1340×765×1605+(1340×765×1740)	14000+16000	82	Φ19.05	Φ38.1	28.8+42.9	32+50	275+375	275+375
38	GMVL-1064WM/A-X(P)		106.4	41.60	1340×765×1605+(1340×765×1740)	14000+16000	82	Φ19.05	Φ38.1	35.1+39.3	40+50	275+375	275+375
40	GMVL-1119WM/A-X(P)		111.9	43.60	1340×765×1605+(1340×765×1740)	14000+16000	82	Φ19.05	Φ38.1	35.1+42.9	40+50	275+375	275+375
42	GMVL-1175WM/A-X(P)		117.5	46.00	(1340×765×1740)×2	16000×2	82	Φ19.05	Φ38.1	39.3+42.9	50+50	375×2	375×2
44	GMVL-1230WM/A-X(P)		123.0	48.00	(1340×765×1740)×2	16000×2	82	Φ19.05	Φ38.1	42.9+42.9	50+50	375×2	375×2
46	GMVL-1295WM/A-X(P)		129.5	51.50	(1340×765×1740)×2	16000×2	82	Φ19.05	Φ38.1	42.9+49.2	50+63	375×2	375×2
48	GMVL-1360WM/A-X(P)		136.0	55.00	(1340×765×1740)×2	16000×2	82	Φ19.05	Φ38.1	49.2+49.2	63+63	375×2	375×2
50	GMVL-1399WM/A-X(P)		139.9	55.40	(930×765×1605)×2+(1340×765×1740)	11400+16000	82	Φ19.05	Φ41.3	24.0+35.1+39.3	25+40+50	215+275+375	215+275+375
52	GMVL-1455WM/A-X(P)		145.5	57.70	930×765×1605+(1340×765×1740)×2	11400+16000×2	82	Φ19.05	Φ41.3	20.9+39.3+42.9	25+50+50	215+375×2	215+375×2
54	GMVL-1510WM/A-X(P)		151.0	59.70	930×765×1605+(1340×765×1740)×2	11400+16000×2	82	Φ19.05	Φ41.3	20.9+42.9+42.9	25+50+50	215+375×2	215+375×2
56	GMVL-1565WM/A-X(P)		156.5	61.80	930×765×1605+(1340×765×1740)×2	11400+16000×2	82	Φ19.05	Φ41.3	24.0+42.9+42.9	25+50+50	215+375×2	215+375×2
58	GMVL-1623WM/A-X(P)		162.3	63.20	(1340×765×1605)×2+(1340×765×1740)	14000×2+16000	82	Φ19.05	Φ41.3	35.1+35.1+42.9	40+40+50	275×2+375	275×2+375
60	GMVL-1679WM/A-X(P)		167.9	65.60	1340×765×1605+(1340×765×1740)×2	14000+16000×2	82	Φ19.05	Φ41.3	35.1+39.3+42.9	40+50+50	275+375×2	275+375×2
62	GMVL-1734WM/A-X(P)		173.4	67.60	1340×765×1605+(1340×765×1740)×2	14000+16000×2	82	Φ19.05	Φ41.3	35.1+42.9+42.9	40+50+50	275+375×2	275+375×2
64	GMVL-1790WM/A-X(P)		179.0	70.00	(1340×765×1740)×3	16000×3	82	Φ19.05	Φ41.3	39.3+42.9+42.9	50+50+50	375×3	375×3
66	GMVL-1845WM/A-X(P)		184.5	72.00	(1340×765×1740)×3	16000×3	82	Φ19.05	Φ41.3	42.9+42.9+42.9	50+50+50	375×3	375×3
68	GMVL-1910WM/A-X(P)		191.0	75.50	(1340×765×1740)×3	16000×3	82	Φ22.2	Φ44.5	42.9+42.9+49.2	50+50+63	375×3	375×3
70	GMVL-1975WM/A-X(P)		197.5	79.00	(1340×765×1740)×3	16000×3	82	Φ22.2	Φ44.5	42.9+49.2+49.2	50+63+63	375×3	375×3
72	GMVL-2040WM/A-X(P)		204.0	82.50	(1340×765×1740)×3	16000×3	82	Φ22.2	Φ44.5	49.2+49.2+49.2	63+63+63	375×3	375×3
74	GMVL-2069WM/A-X(P)		206.9	81.40	930×765×1605+(1340×765×1605)+(1340×765×1740)×2	11400+14000+16000×2	82	Φ22.2	Φ44.5	24.0+35.1+42.9+42.9	25+40+50+50	215+275+375×2	215+275+375×2
76	GMVL-2129WM/A-X(P)		212.9	84.20	(1340×765×1605)×2+(1340×765×1740)×2	14000×2+16000×2	82	Φ22.2	Φ44.5	33.2+35.1+39.3+42.9	40+40+50+50	275+275+375×2	275+275+375×2
78	GMVL-2190WM/A-X(P)		219.0	86.50	1340×765×1605+(1340×765×1740)×3	14000+16000×3	82	Φ22.2	Φ44.5	28.8+39.3+42.9+42.9	32+50+50+50	275+375×3	275+375×3
80	GMVL-2245WM/A-X(P)		224.5	88.50	1340×765×1605+(1340×765×1740)×3	14000+16000×3	82	Φ22.2	Φ44.5	28.8+42.9+42.9+42.9	32+50+50+50	275+375×3	275+375×3
82	GMVL-2295WM/A-X(P)		229.5	90.00	(1340×765×1740)×4	16000×4	82	Φ22.2	Φ44.5	39.3+39.3+39.3+42.9	50+50+50+50	375×4	375×4
84	GMVL-2350WM/A-X(P)		235.0	92.00	(1340×765×1740)×4	16000×4	82	Φ22.2	Φ44.5	39.3+39.3+42.9+42.9	50+50+50+50	375×4	375×4
86	GMVL-2414WM/A-X(P)		241.4	95.10	1340×765×1605+(1340×765×1740)×3	16000×4	82	Φ22.2	Φ44.5	35.1+42.9+42.9+49.2	40+50+50+63	275+375×3	275+375×3
88	GMVL-2470WM/A-X(P)		247.0	97.50	(1340×765×1740)×4	16000×4	82	Φ22.2	Φ44.5	39.3+42.9+42.9+49.2	50+50+50+63	375×4	375×4
90	GMVL-2525WM/A-X(P)		252.5	99.50	(1340×765×1740)×4	16000×4	82	Φ22.2	Φ44.5	42.9+42.9+42.9+49.2	50+50+50+63	375×4	375×4
92	GMVL-2590WM/A-X(P)		259.0	103.00	(1340×765×1740)×4	16000×4	82	Φ22.2	Φ44.5	42.9+42.9+42.9+49.2	50+50+63+63	375×4	375×4
94	GMVL-2655WM/A-X(P)		265.5	106.50	(1340×765×1740)×4	16000×4	82	Φ22.2	Φ44.5	42.9+49.2+49.2+49.2	50+63+63+63	375×4	375×4
96	GMVL-2720WM/A-X(P)		272.0	110.00	(1340×765×1740)×4	16000×4	82	Φ22.2	Φ44.5	49.2+49.2+49.2+49.2	63+63+63+63	375×4	375×4

GMVL-730WM/A-X(P) and above capacity combination models

HP	Model	Power supply	Capacity	Power input	Dimension(W×D×H)	Airflow volume	ESP	Connecting pipe		Min.circuit current	Max. fuse current	Net weight	Net weight
Cooling	Cooling	Liquid	Gas										
kW	kW	mm	m³/h	Pa	mm	mm	A	A	kg	kg			

<tbl_r cells="4" ix="2"



INDOOR UNITS

Indoor Unit Lineup

	Type	1.5	1.8	2.2	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0	9.0	10.0	11.2	12.5	14.0	16.0	18.0	22.4	25.0	28.0	40.0	45.0	56.0	
Duct Type Unit	High Static Pressure				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	General Static Pressure			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Cassette Unit	360 ° Air Discharge				●		●		●		●		●		●		●		●		●		●		●		●		
	360 ° Air Discharge Compact		●	●	●		●		●		●		●		●		●		●		●		●		●		●		
	2-way					●		●		●		●		●		●		●		●		●		●		●		●	
	1-way				●		●		●		●		●		●		●		●		●		●		●		●		
Fresh Air Processing Indoor Unit																									●	●			●
Wall-mounted Type Unit		●	●	●		●		●		●		●		●		●		●		●		●		●		●		●	
Floor Ceiling Type Indoor Unit						●		●		●		●		●		●		●		●		●		●		●		●	
Floor Standing Type Indoor Unit																									●				●
Console Indoor Unit					●		●		●		●		●		●		●		●		●		●		●		●		
Concealed Floor Standing Type Indoor Unit					●		●		●		●		●		●		●		●		●		●		●		●		
AHU KIT									●							●					●				●				●

Quick Review of IDU Functions

	Types of Indoor Unit	GMV5/GMV6 Universal	Indoor Temperature Detection Point (Optional)	Indoor Temperature Detection and Revision	Static Pressure Adjustment	Fresh Air Device (Optional)	PM2.5 Filter (Optional)	Filter Washing Reminding	Intelligent Sensing Air Supply (Optional)	Auto Addressing	CAN+ Communication	Singe/ Parallel Connection	Power-off Memory	Low-temp Anti-frost	SET BACK	Manage ment of schedule	Intelligent Billing System
Duct Type Unit	High Static Pressure	●	●	●	●		●	●		●	●	●	●	●	●	●	
	General Static Pressure	●	●	●	●		●			●	●	●	●	●	●	●	
Cassette Unit	360 ° Air Discharge	●	●	●			●		●	●	●	●	●	●	●	●	
	360 ° Air Discharge Compact	●	●	●	●					●	●	●	●	●	●	●	
	2-way	●	●	●	●					●	●	●	●	●	●	●	
	1-way	●	●	●	●					●	●	●	●	●	●	●	
Fresh Air Processing Indoor Unit	●	●	●	●	●				●	●	●	●	●	●	●	●	
Wall-mounted Type Unit	●	●	●	●					●	●	●	●	●	●	●	●	
Floor Ceiling Type Indoor Unit	●	●	●	●					●	●	●	●	●	●	●	●	
Floor Standing Type Indoor Unit	●	●	●	●					●	●	●	●	●	●	●	●	
Console Indoor Unit	●	●	●	●					●	●	●	●	●	●	●	●	
Concealed Floor Standing Type Indoor Unit	●	●	●	●					●	●	●	●	●	●	●	●	

Duct Type Indoor Unit

General Static Pressure Duct Type Indoor Unit

- Capacity range 1.8-14kW
- External static pressure can be up to 80Pa
- Standard fitting condensate pump lift; maximum lifting height can be up to 1.2m
- Multiple protections: anti-freezing protection, temperature sensor faulted protection and other multiple guarantees



High Static Pressure Duct Type Unit

- External static pressure can be up to 250Pa
- Standard fitting condensate water pump lift; lifting height can be up to 1.2m
- Optional PM2.5 electrostatic fiber filter
- 9-stage static pressure for adjustment, convenient for engineering application



Fresh Air Processing Indoor Unit

- DC inverter technology
- Direct evaporative cooling
- Air conditioner and fresh air function are linked



Cassette Type Indoor Unit

1-way Cassette Unit

- 178mm ultra-thin unit body
- Removable grille, with long life filter
- Standard fitting 1.2m condensate pump lift
- High ceiling function; highest corresponding height is 3.5m



2-way Cassette Indoor Unit

- 2-way air flow design, suitable to narrow rooms
- Standard fitting 1.2m condensate water pump lift
- Streamline panel design, elegant and decent



360 ° Air Discharge Cassette Indoor Unit

- 360 ° air supply
- Smart sensor technology for smart air flow adjustment*
- Standard fitting 1.2m pump lift

*This function is optional.



360 ° Air Discharge Compact Cassette Indoor Unit

- Independent Swing Control
- 360 ° air supply
- DC quiet condensate pump
- DC motor design for more energy-saving operation
- Multiple protection functions for safe and reliable operation
- Brand new designed air duct and fan blade for lower operating noise
- Compact design for more convenient installation



Wall-mounted Type Indoor Unit

- High-efficiency and energy-saving DC motor
- Long-life filter, removable and washable panel and filter for easy maintenance
- Wall-mounted installation, beautiful panel, uniform air flow and up&down 2-way air supply



Floor Ceiling Type Indoor Unit

- Streamlined appearance design, bright white color, pleasing to the eye
- Floor mounted or ceiling mounted, flexible installation
- Compact structural design, saving installation space
- Optional fresh air intake, to meet your high quality living standard



Console Indoor Unit

- Uniform temperature distribution, high level of comfort
- Easy installation without suspended ceiling; arrangement of refrigerant pipe is flexible
- Two-way air supply, upper and lower two air outlets respectively at the upper and lower sides, 3D air supply



Floor Standing Type

- Up and down swing, long air supply distance
- long-life filter, removable and washable panel and filter for easy maintenance
- With I-feel function, it can detect the temperature at the user's position in real time to improve comfort (Remote controller YAP1F is required.)



Concealed Floor Standing Type

- Capacity range: 2.2~7.1kW
- Compact structure, ultra-thin unit body, only 200mm thickness in vertical installation
- Different stages of static pressure for adjustment; highest static pressure can be up to 60Pa
- Flexible installation, supporting feet design to suit different heights, flexible switch of lower air return and side air return



AHU-KIT

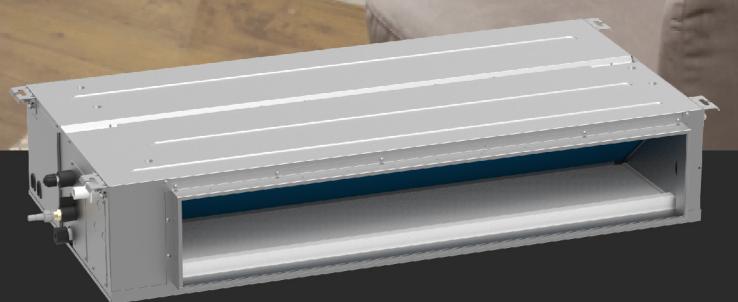
- Independent design, convenient for installation
- Can connect to the third party controller
- Malfunction signal access, safe and reliable





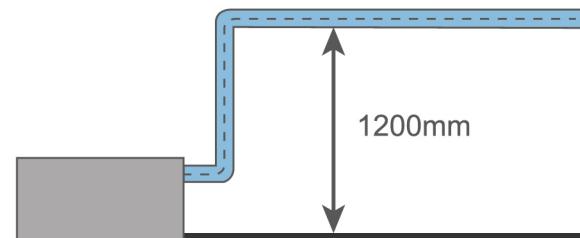
General Static Pressure Duct Type Indoor Unit

General static pressure duct type indoor unit adopts DC motor, multi-stage air volume and static pressure adjustable design, free choices of air supply and return modes, flexible and convenient installation, meeting requirements for different locations such as hotels, office buildings, shopping malls, apartments, villas, families, etc.



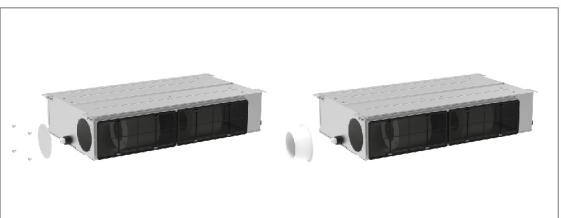
● Standard Fitting 1,200mm Condensate Water Lift Pump

Pump drainage height can be up to 1,200mm; vertical installation height of the unit can be flexibly adjusted, with high engineering adaptability.



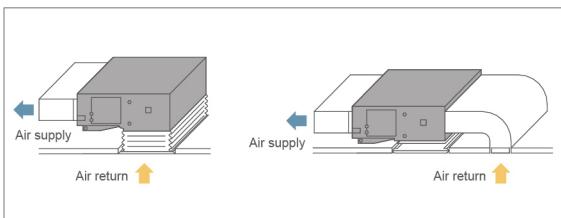
● Fresh Air Introduction Function

It can be connected to the fresh air duct to introduce fresh air from outside to ensure fresh indoor air.



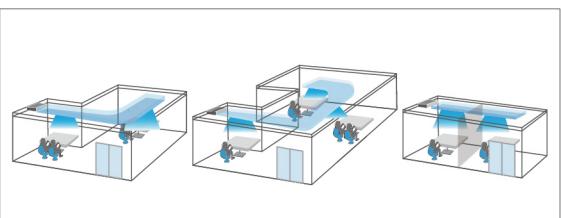
● Flexible Installation

According to the construction and use requirements, flexibly choose different return air ways and supply static pressure.



● 80Pa High Static Pressure Design, Multi-stage Static Pressure for Adjustment

The highest static pressure can be up to 80Pa, which is applicable to different installation locations to ensure cooling and heating effect. With wide static pressure range and 5 stages of adjustable external static pressure, the engineering design and application is more convenient and fast.

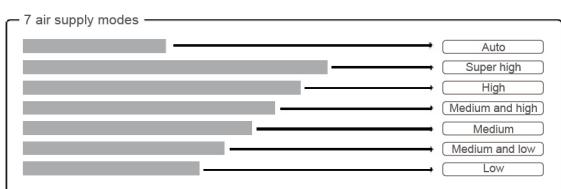


● DC Motor Design, Low Noise Operation

The brushless DC motor realizes stepless speed adjustment, and can set the automatic quiet mode through wired controller to make the operation quieter.

● 7-speed Air Volume Setting to Meet Diverse Needs

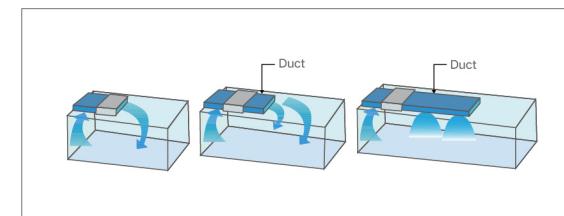
The DC motor can adjust up to 7 steps of air volume, accurately divide the air volume interval, reduce the noise value, and can set automatic quiet mode of indoor unit through wired controller, and enable the automatic quiet function according to the indoor temperature and personnel activities. Super high step and strong air volume, cooperating with outdoor compressor operation, it can enter strong cooling/heating mode; indoor unit motor can be adjusted to the highest step for rapid cooling/heating to reach the required temperature.





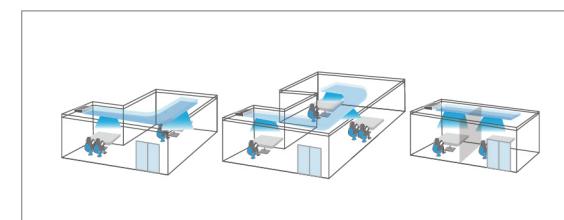
High Static Pressure Duct Type Unit

High static pressure duct type unit, with large air volume, wide static pressure adjustment range and maximum static pressure, can be up to 250Pa; long air supply distance can be widely used in places where it is necessary to connect air pipes to achieve long-distance air supply, such as hotels, office buildings, shopping malls, factories.



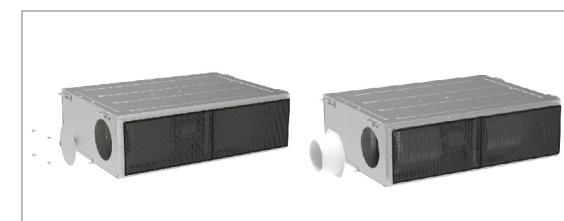
- **High Static Pressure Design, Multi-stage Static Pressure to Adjust**

There are 9-stage adjustable external static pressure. The highest static pressure can reach 200Pa. Engineering design and engineering application is more convenient and fast.



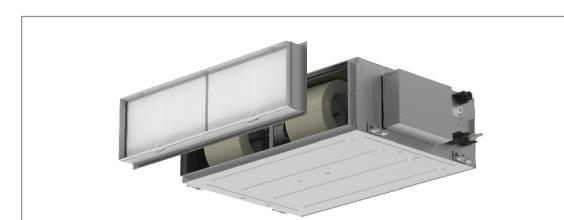
- **Long-distance Air Supply**

Support long-distance air supply to serve multiple air supply areas and satisfy complicated layout and locations, creating comfortable environment.



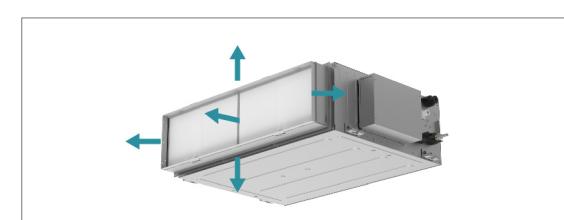
- **Fresh Air Introduction Function**

It can be connected to the fresh air duct to introduce fresh air from outside to ensure fresh indoor air.



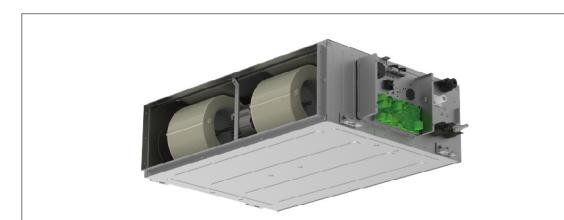
- **High Efficiency Filtration**

Optional high-efficiency filter device can effectively filtrate PM2.5, with small performance attenuation.



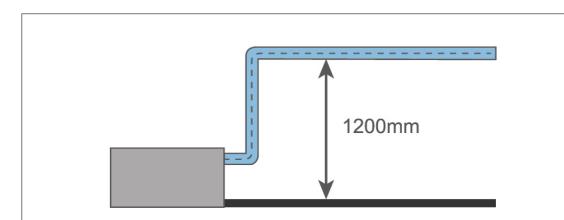
- **Multi-directional Removable Filter**

The filter can be disassembled from 5 directions (the arrow below shows the direction of the removable filter). Installation and maintenance are convenient and fast.



- **Convenient Maintenance**

External hanging electric box design for convenient maintenance.



- **Standard Fitting 1,200mm Condensate Water Lift Pump**

The pump drainage height can be up to 1,200mm, and the vertical installation height of the unit can be flexibly adjusted, with high engineering adaptability.



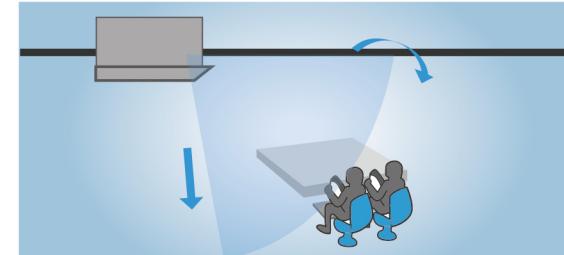
1-way Cassette Unit

The 1-way cassette unit, with ultra-thin and compact body, effectively saves installation space, meeting the air supply requirements of narrow rooms, walkways and other applications. It can be applied to households, hotels, small offices and other delicate and compact spaces.



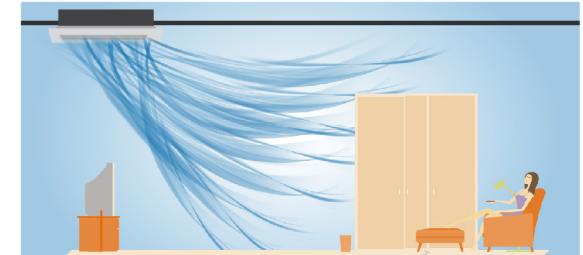
● Ultra Wide Angle Air Supply

The left and right swing angles can be up to 75°, covering a wide range of air-conditioning spaces and providing a comfortable environment.

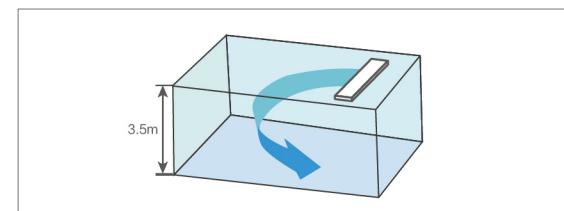


● Uniform Temperature Distribution and High Level of Comfort

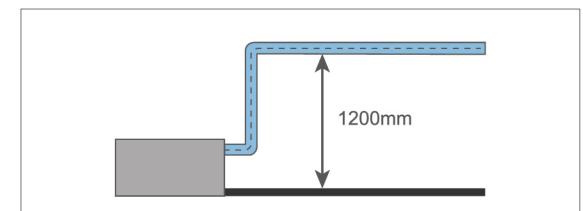
The temperature field is evenly and reasonably distributed, and the heating airflow directly reaches the ground, warming the entire room and greatly improving user comfort.



● High Ceiling Design, up to 3.5 Meters Space

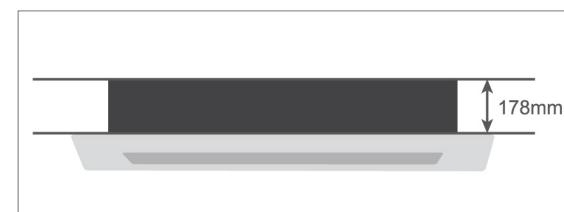


● Standard Fitting 1,200mm Condensate Water Lift Pump



● Ultra-slim Design

Thickness of the main body is only 178mm, which meets the requirements of delicate and compact space.



● Evaporator Auto-drying Operation

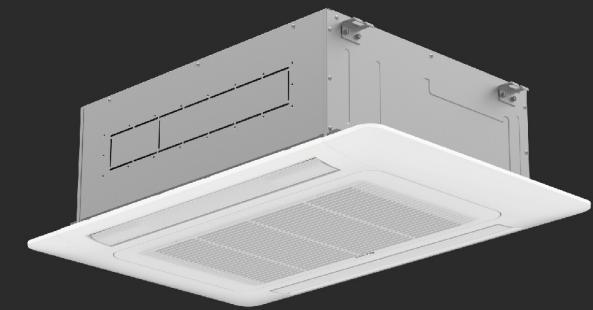
After the cooling mode is stopped, the fan will delay the shutdown time and run for a while to dry the condensate water on the surface of the evaporator to keep the inside of the unit dry, so as not to breed bacteria and mold.

● Anti-fouling Design

By adjusting the angle of the air deflector, it can avoid affecting the ceiling near the air outlet.



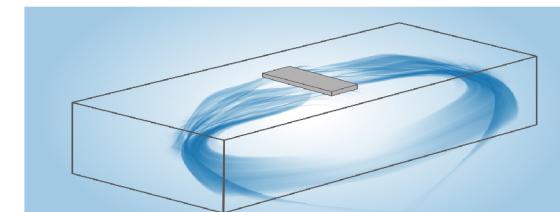
2-way Cassette Indoor Unit



2-way cassette indoor unit adopts high-efficiency DC brushless motor and stylish appearance design, with middle air return and double-sided air supply mode for strong air volume, which can evenly supply air to all parts of the rooms. It can be widely used in hotels and official buildings, shopping malls, apartments, villas, households and other applications.

● Two-way Air Supply

The double-sided air outlet lengthens the air supply distance to solve the problem of difficult air supply in narrow and long rooms.



● New Streamlined Appearance Design

The new generation of two-way cassette unit adopts a brand new front panel design, making it visually pleasing and perfectly fit into indoor decoration.

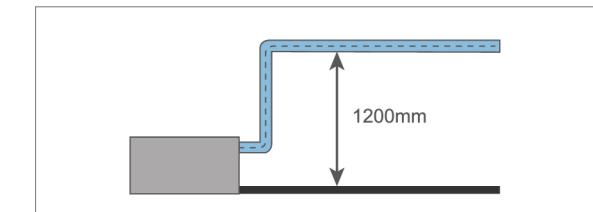
● Independent Swing Control

There are two air deflectors that can be controlled independently to adjust the air supply direction. They can make different combinations of air swing angles to avoid direct airflow to people.
*It must be used with the wired controller (XE70-33/H).

● Automatic Louver Control

The front panel adopts an arc design for the end of air deflectors. With structural simulation analysis, the best air supply angle was simulated. In cooling mode, the unit can achieve horizontal air supply to avoid cold air draft to people. In heating mode, it can achieve vertical air supply to improve the degree of heating comfort.

● Standard Fitting 1,200mm Condensate Water Lift Pump



● Quiet Fan Blade Design, Low Noise Operation

By adopting DC motor and large diameter centrifugal fan blade design, low revolving speed can achieve large air volume, uniform air supply, and lower noise, providing quiet and comfortable space.

● Compact Body Design

The new generation of two-way cassette unit has a very thin body(280mm), which is 11.1% thinner than the last generation. Therefore, it requires less installation space and is more practical in engineering.



360 ° Air Discharge Cassette Indoor Unit

360 ° air discharge cassette, with 360 ° air discharge, which is suitable for different places such as hotels, office buildings, shopping malls, apartments, villas, and families. The all-round discharge cassette type indoor unit's air louver can be independently controlled to realize a new air flow form. The air supply range is wide and temperature distribution is more uniform, bringing a comfortable environment experience. With optional human sensory function, the control is more intelligent and user-friendly.



- 360 ° Overall Temperature Field Identification

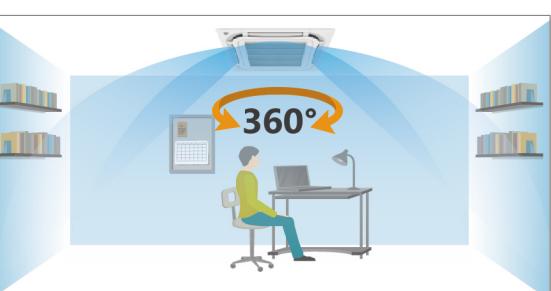
Intelligent sensory function control and high temperature field recognition accuracy can avoid cold wind blowing people, make warm wind follow people and prevent direct blowing to the human body; when it detects that no one is indoors, it automatically adjusts the set temperature; if there is no one indoors for long, the unit will be automatically shut off.



*This function should be customized and needs to be used with wired controller XE70-33/H.

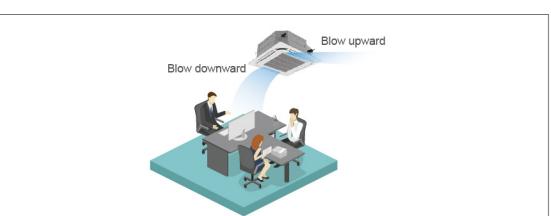
- 360 ° Surrounding Airflow

Wide air supply range, more uniform temperature distribution and more comfortable experience.



- Independent Swing Control

The four air louvers can be controlled independently, and the air supply direction can be adjusted independently to achieve different angle combinations to avoid direct air blowing.

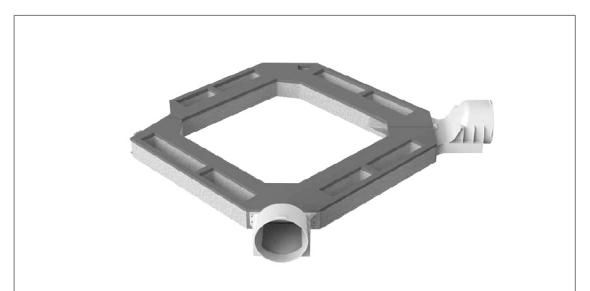


* This function needs to be used with wired controller XE70-33/H.

- Optional intelligent voice control module, far-field (5m) voice recognition technology, intelligent status broadcast, leading a new intelligent interaction experience.

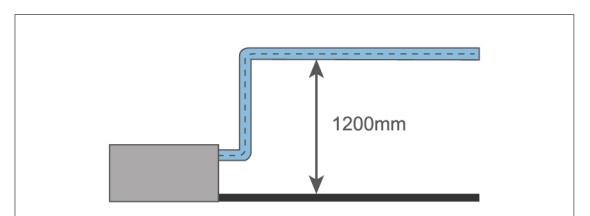
* This accessory should be customized.

- Optional fresh air fitting can effectively introduce 8 ~ 10% of outdoor fresh air and improve indoor comfort.



- DC Quiet Condensate Pump

The pump drainage lifting height can be up to 1,200mm, and vertical installation height of the unit can be flexibly adjusted, with high engineering adaptability.



- Optional lifting panel, and the inlet grille adopts two-way suspension lifting technology to realize the lifting function of the grille. User can clean the filter by himself thanks to convenient maintenance.

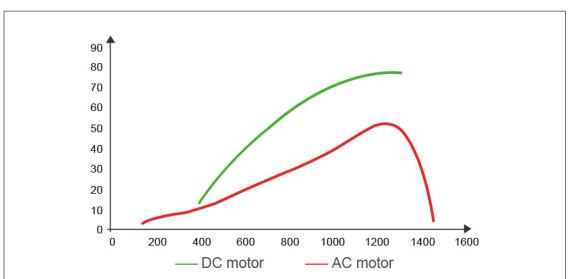
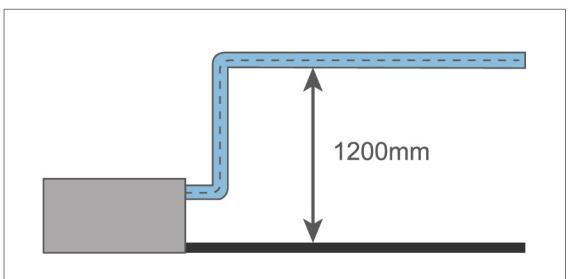
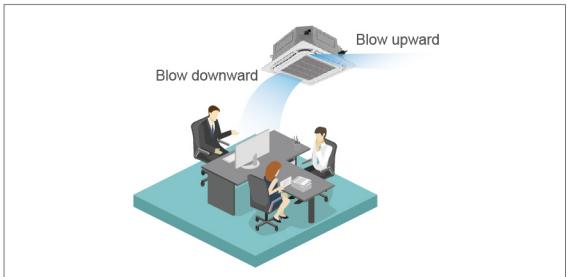
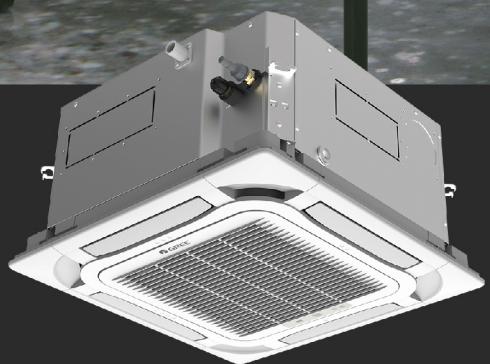


*Optional fitting, please consult engineering and technical personnel.



360 ° Air Discharge Compact Cassette Indoor Unit

360 ° air discharge compact cassette, 8 models in the whole series, capacity range: 1.5kW ~ 5.6kW. Newly designed 360 ° air outlet panel can achieve 360 ° surrounding airflow, for wider air supply range, more uniform air distribution and temperature field, and more comfortable user experience. It can be widely used in households, hotels, restaurants, offices, meeting rooms and other places.



● Newly Designed Air Ducts and Blades for Lower Operating Noise

Internal air ducts and blades adopt new fluid simulation design, which allows lower operating noise under the same air volume. Noise is as low as 25dB(A).

● Compact Design

With compact structural design, unit body is smaller than the previous generation, and the installation area is smaller.

● Multiple Protection Functions

The unit is designed with multiple protection functions to achieve safe and reliable long-term operation, including water full protection, anti-freezing protection, fan error protection, etc.

● 360 ° Surrounding Airflow

The newly designed 360 ° surrounding airflow has a wide air supply range, more uniform airflow organization and temperature distribution, avoiding partial hot and cold, and providing a more comfortable user experience.

● Independent Swing Control

The four air louvers can be controlled independently, and direction of air supply can be regulated independently to achieve different angles of air supply and avoid direct wind blowing to people.

* This function needs to be used with wired controller XE70-33/H.

● DC Quiet Condensate Pump

The high-lift DC quiet condensate pump is adopted, which has lower operating power and better sound quality. The maximum lifting height is 1,200mm, the installation design is more flexible, and it is convenient for the layout of engineering drain pipe.

● DC Motor Design

The fan adopts high-efficiency DC motor to realize stepless speed regulation. Compared with ordinary AC motor, it can achieve effective energy conservation of about 30%.



Wall-mounted Type Indoor Unit



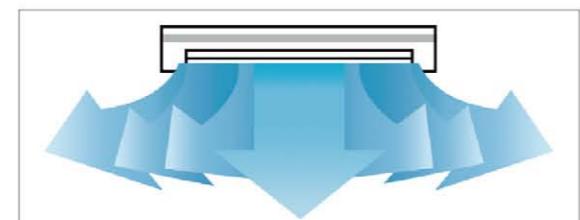
The whole series adopt high-efficiency DC motor, stylish design, simple and easy panel disassembly, convenient cleaning design, uniform air flow distribution, and wide air supply range. It can blow the wind to every corner of the room. It is widely used in various places such as houses, hotels, apartments, offices and meeting rooms.

● Easy Installation

It adopts wall-mounted installation, no need occupying floor space and no need to suspend the ceiling. Refrigerant pipe can be installed flexibly.

● Automatic Up and Down Swing Design

With up and down swing function, air louver can realize automatic control, air supply range is increased and air supply is uniform, creating a comfortable working and living environment.



● Wide Air Supply

The wind can be naturally and evenly distributed to all corners of the room.



● Quiet Design

Using high-efficiency cross-flow fan blades, noise of the whole unit is greatly reduced.

● Uniform Temperature Distribution and High Comfort

The temperature field is evenly and reasonably distributed, the heating airflow can directly reach the ground, warming the entire room, greatly improving human comfort.

● Washable Filter

With long-term filter, which can be disassembled and cleaned for easy maintenance.

● Removable Panel

Panel of the indoor unit can be easily slid in or out, disassembly is simple and easy, which is easy to clean and the appearance of indoor unit can be kept clean and new.

● Powerful and Fast

Using intelligent temperature control technology, with powerful and rapid cooling/heating function, can make the indoor temperature quickly reach the set temperature.



● Multiple Protection Functions

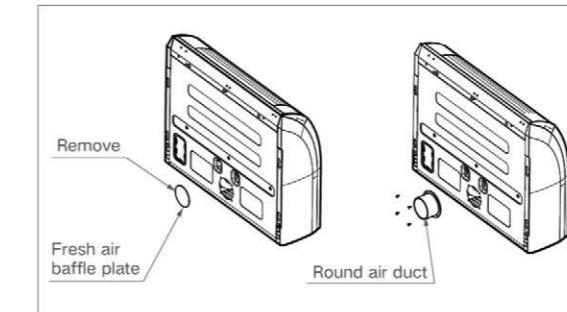
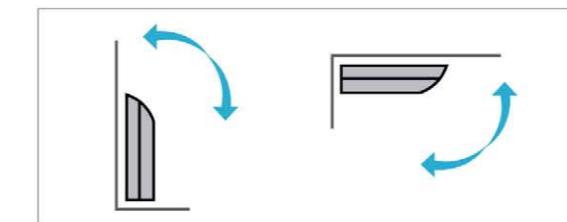
Anti-freezing protection, fan motor built-in overload protection, temperature sensor error protection.



Floor Ceiling Type Indoor Unit

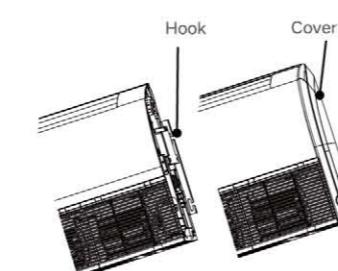


Floor ceiling type indoor unit has two installation methods: floor mounted and ceiling mounted. It is suitable to multiple applications such as hotels, office buildings, shopping malls, apartments, villas, households, etc.

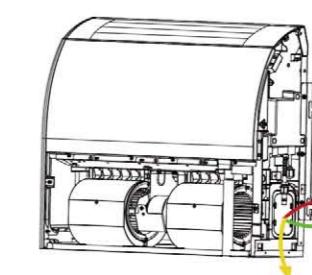


● Easy Installation

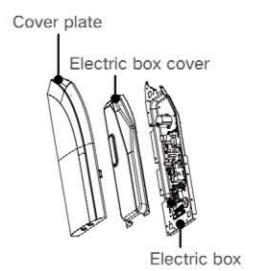
Adjust the angle of the air deflector to avoid affecting the ceiling near the air outlet.



1) Concealed hook design,
beautiful appearance;



2) Multi-directional outlet
method can adapt to different
installation sites;



3) The concealed design of the
side electrical box, Wire can be
connected by disassembling
the cover.

● Quiet Design

The new low-noise fan blade cooperates with the DC motor and excellent soundproof air distribution structure to ensure that the air supply is even and smooth, creating a quiet and comfortable environment.



Console Indoor Unit



Console indoor unit features easy installation without suspended ceiling, which will not affect the integrated indoor decoration. It can be widely applied in villas, offices, meeting rooms, etc., providing users with a comfortable living and working environment.

- Quiet Fan Blade Design, Low Noise Operation

By adopting DC motor and large diameter centrifugal fan blade design, low speed can achieve large air volume, uniform air distribution and low noise, providing quiet and comfortable space.

- Uniform Temperature Distribution and High Level of Comfort

The temperature field is evenly and reasonably distributed, and the heating airflow directly reaches the ground, warming the entire room to greatly improve user comfort.

- Removable Panel

Panel of the indoor unit can be easily slid in or out for easy disassembly and convenient cleaning; the appearance of indoor unit can be kept clean and new.

- Multiple Protection Functions

Anti-freezing protection, fan motor built-in overload protection and temperature sensor error protection.

- Strong and Fast

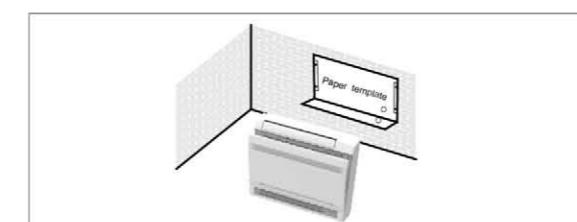
By adopting intelligent temperature control technology, with powerful and rapid cooling/heating function, it can make indoor temperature quickly reach the set temperature.

- Washable Filter

The long-life filter can be disassembled and cleaned, for easier maintenance.

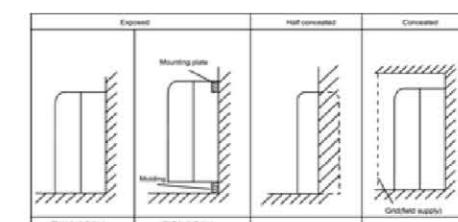
- Two-way Air Supply

With the upper and lower air outlets, the unit can realize 3D air supply, which means the air will flow naturally and evenly to every corner of the room.



- Easy Installation

It can be installed on the floor without the need to cooperate with ceiling, and arrangement of refrigerant pipe is flexible and free.



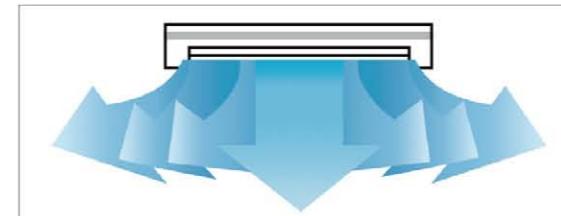


Floor Standing Type

With large cooling capacity and a space-saving vertical structure, it is widely applied in houses, hotels, restaurants, chain stores, offices, and meeting rooms to provide users with a comfortable and pleasant living and working environment.



- Up and Down Swing, Long Air Supply Distance



- Washable Filter

The long-term filter can be disassembled and cleaned, for easier maintenance.

- Quiet Design

By adopting high-efficiency centrifugal fan blades and quiet valves, noise of the complete unit is greatly reduced.

* Work with remote control YAP1F

- Strong and Fast

By adopting intelligent temperature control technology, with powerful and rapid cooling/heating function, it can make indoor temperature quickly reach the set temperature.

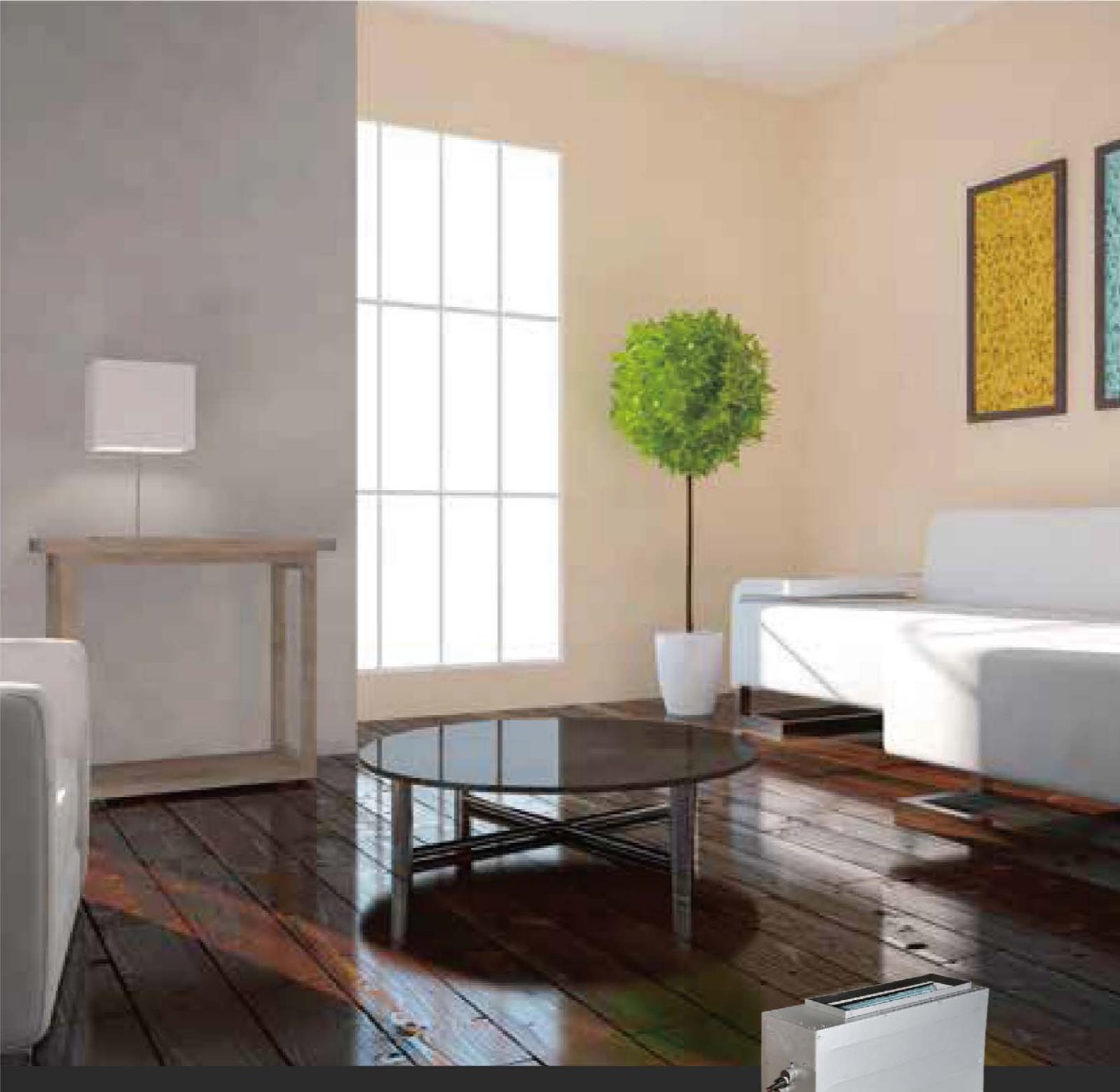
- I Feel Function

After the user turns on this function, the unit can detect the temperature of user's location in real time and adjust to improve user comfort.

* Work with remote control YAP1F

- Multiple Protection Functions

Anti-freezing protection, fan motor built-in overload protection and temperature sensor error protection.



Concealed Floor Standing Type

This unit adopts floor standing concealed installation method. With small occupation space, it will not impact the integrated indoor decoration. Cooling capacity ranges from 2.2kW to 7.1kW. It can be widely used in hotels, schools, villas, offices and meeting rooms, providing users with a comfortable living and working environment.

● DC Motor Design, Low Noise Operation

The brushless DC motor realizes stepless speed adjustment, and can set the automatic quiet mode through wired controller to make the operation quieter.

● High Static Pressure Design, Multi-stage Static Pressure for Adjustment

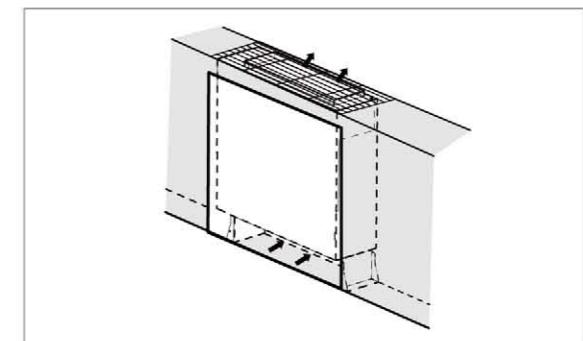
On the basis of the limited vertical return air space structure, the 5-stage external static pressure can be adjusted, and the maximum static pressure can reach 60Pa. It meets the engineering design and application of air duct installation requirements, which is more convenient and fast.

● Flexible installation

The front detachable air return structure can realize the flexible switch between side air return and the bottom air return. Different height support foot designs to meet the user's choice of different air volume and different decoration space.

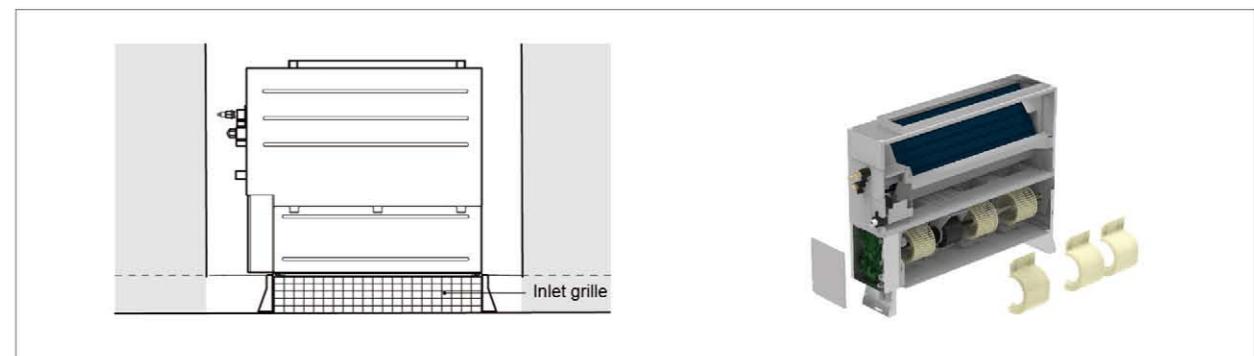
● Ultra-thin Body Design, Saving Installation Space

The structure is compact, thickness of the unit body is only 200mm, and the installation space and decoration space are greatly saved when adopting seated installation.



● Convenient Maintenance Design

Convenient front-side disassembly maintenance design; only maintenance port in the decorative wall is reserved, so that all the internal parts can be disassembled from the front side.



● Safe and Reliable Operation

The unit adopts multiple internal wiring, water-return elbows and anti-overflow structure, which has perfectly solved the hidden danger of water penetration of electric box due to ultra-thin design.



AHU-KIT

[Constitution]: Electronic expansion valve components, control components.

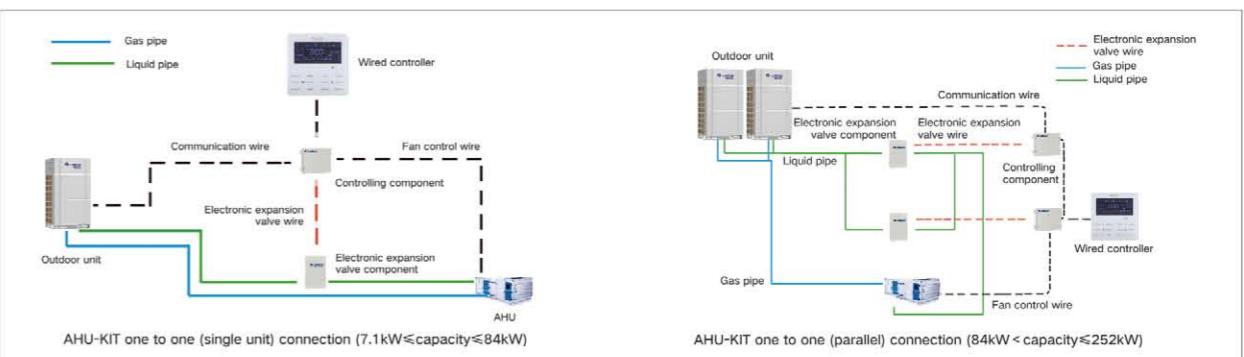
[Function]: Connect the direct-expansion air handling unit (Gree's or third-party's direct-expansion air handling unit) to the Gree multi VRF system, so that the air handling unit has the functional advantages of multi VRF unit.

● Connection

The AHU-KIT with the air handling unit can be used as a multi VRF indoor unit to connect to a multi VRF outdoor unit. The connection is limited by the outdoor unit. There are the following three types of connections:

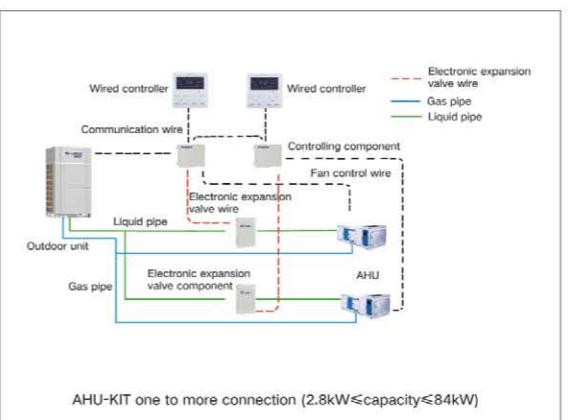
One to One

The AHU-KIT with the air handling unit can be connected with multi VRF outdoor units in one-to-one way. Total capacity of the AHU-KIT should be between 50% and 110% of the outdoor unit's capacity.



One to Many (Only DX AHU Unit)

Multiple sets of AHU-KIT-air handling units can be connected to one multi VRF outdoor unit. Total capacity of the AHU-KIT should be between 50% and 110% of the outdoor unit's capacity. (Take one for two as an example)



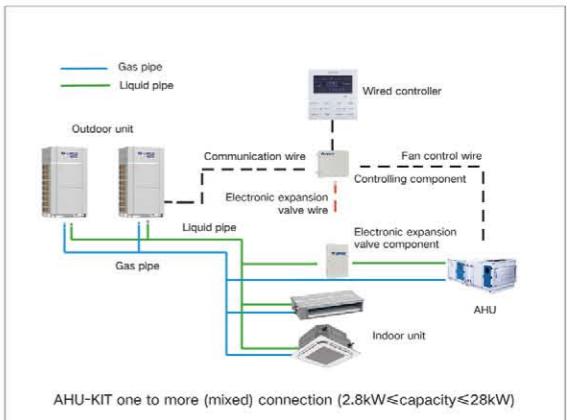
*2.8~28kW units can be connected in the same system;
22.4~84kw units can be connected in the same system.

● Features:

- The two components are designed independently, and the installation is convenient. The control component is installed indoors and electronic expansion valve can be installed indoors or outdoors, with flexible engineering design.
- A variety of model combinations can expand the capacity range to meet the requirements in most occasions. With fault signal to ensure safe and reliable operation.
- The outdoor unit is used as cooling and heating sources, no additional cooling and heating sources are required.
- Access to variable refrigerant control system, using DC inverter control technology.
- Can connect to the third party's controller to set on/off, modes, temperature and related parameters of the units.

One to Many (DX AHU Unit + GMV Indoor Unit)

The AHU-KIT and ordinary multi VRF indoor unit can be connected into the same multi VRF outdoor unit. Total capacity of the AHU-KIT and the ordinary multi VRF indoor unit is between 50% and 110% of the outdoor unit's capacity, and total capacity of the AHU-KIT cannot exceed 30% of the outdoor unit's capacity.

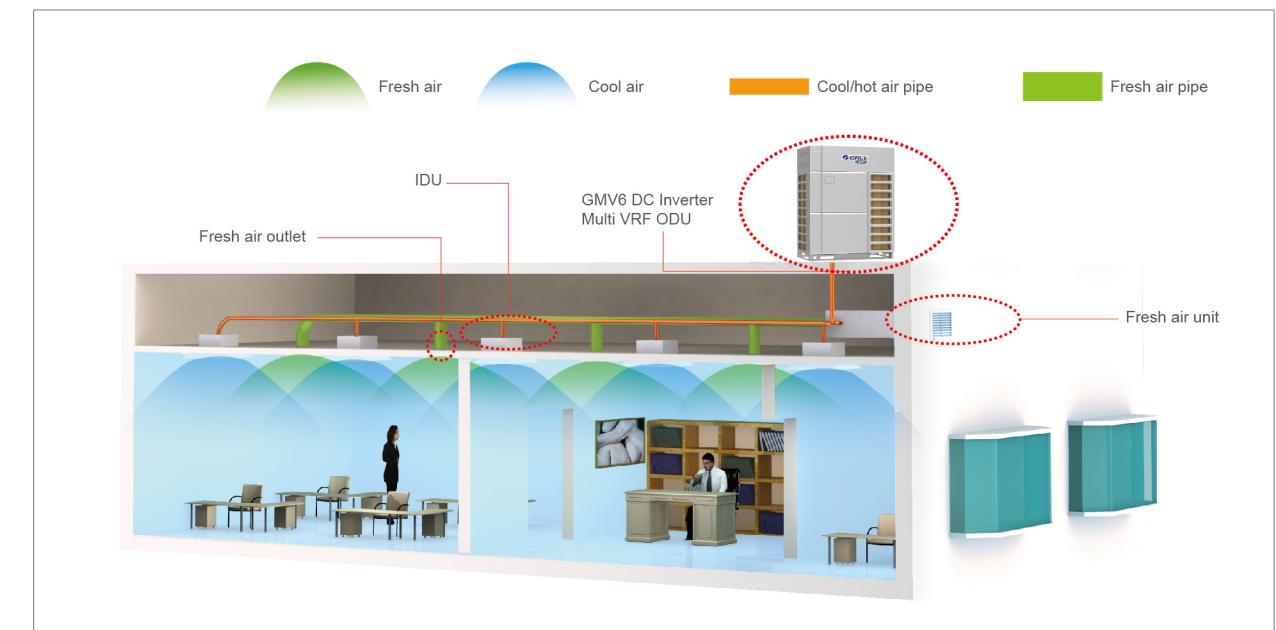




Fresh Air Processing Indoor Unit



- Air volume: 1000-4000m³ / h
- DC inverter technology: adjust the capacity output according to actual needs to ensure stable humidity and reduce power consumption.
- Direct evaporative cooling: treat outdoor air to the state which is required indoors to achieve the dual effect of air conditioning and fresh air.
- Air conditioner and fresh air linkage: achieve simultaneous air conditioning and fresh air treatment in the same system. When the VRF unit is turned on, the fresh air unit is linked at the same time, worry-free and energy-saving.



Specifications of Indoor Units



Indoor Unit

Indoor Unit

High Static Pressure Duct Type Indoor Unit

Model		GMV-ND22PHS/B-T	GMV-ND25PHS/B-T	GMV-ND28PHS/B-T	GMV-ND32PHS/B-T	GMV-ND36PHS/B-T	
Capacity	Cooling	kW	2.2	2.5	2.8	3.2	3.6
	Heating	kW	2.5	2.8	3.2	3.6	4.0
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W	55	55	55	65	65	
Airflow volume(H/M/L)	m³/h	550/480/400	550/480/400	550/480/400	600/500/420	600/500/420	
Rated Current	Cooling	A	0.5	0.5	0.5	0.5	
	Heating	A	0.5	0.5	0.5	0.5	
ESP	Pa	60/0 ~ 150	60/0 ~ 150	60/0 ~ 150	60/0 ~ 150	60/0 ~ 150	
Sound pressure level(H/M/L)	dB(A)	33/30/28	33/30/28	33/30/28	33/31/29	33/31/29	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ12.7	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	
Dimension (W×D×H)	Outline	mm	700×700×300	700×700×300	700×700×300	700×700×300	
	Package	mm	897×808×360	897×808×360	897×808×360	897×808×360	
Net weight/Gross weight	kg	32/38	32/38	32/38	32/38	32/38	
Loading quantity	40' GP	unit	168	168	168	168	
Loading quantity	40' HQ	unit	196	196	196	196	

Model		GMV-ND125PHS/B-T	GMV-ND140PHS/B-T	GMV-ND160PHS/B-T	GMV-ND180PHS/B-T	GMV-ND224PH/A-T*	
Capacity	Cooling	kW	12.5	14.0	16.0	18.0	22.4
	Heating	kW	14.0	16.0	18.0	20.0	25.0
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W	160	220	230	350	800	
Airflow volume(H/M/L)	m³/h	2000/1600/1400	2350/1900/1650	2500/2000/1750	3000/2600/2000	4000/3600/3200	
Rated Current	Cooling	A	1.1	1.5	1.5	2.0	3.7
	Heating	A	1.1	1.5	1.5	2.0	3.7
ESP	Pa	90/0 ~ 200	90/0 ~ 200	90/0 ~ 200	90/0 ~ 170	100/50 ~ 200	
Sound pressure level(H/M/L)	dB(A)	40/38/36	42/39/37	44/41/38	49/47/44	54/52/49	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
	Gas	mm	Φ15.9	Φ15.9	Φ19.05	Φ19.05	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	
Dimension (W×D×H)	Outline	mm	1400×700×300	1400×700×300	1400×700×300	1400×700×300	1483×791×385
	Package	mm	1601×813×365	1678×808×365	1678×808×365	1678×808×365	1578×883×472
Net weight/Gross weight	kg	57/64	58/67	58/67	58/67	82/104	
Loading quantity	40' GP	unit	84	84	84	60	
Loading quantity	40' HQ	unit	98	98	98	75	

Model		GMV-ND40PHS/B-T	GMV-ND45PHS/B-T	GMV-ND50PHS/B-T	GMV-ND56PHS/B-T	GMV-ND63PHS/B-T	
Capacity	Cooling	kW	4.0	4.5	5.0	5.6	6.3
	Heating	kW	4.5	5.0	5.6	6.3	7.1
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W	85	85	85	90	90	
Airflow volume(H/M/L)	m³/h	850/700/600	850/700/600	850/700/600	1000/800/700	1000/800/700	
Rated Current	Cooling	A	0.5	0.5	0.5	0.8	0.8
	Heating	A	0.5	0.5	0.5	0.8	0.8
ESP	Pa	60/0 ~ 150	60/0 ~ 150	60/0 ~ 150	90/0 ~ 200	90/0 ~ 200	
Sound pressure level(H/M/L)	dB(A)	36/34/32	36/34/32	36/34/32	37/35/33	37/35/33	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	
Dimension (W×D×H)	Outline	mm	700×700×300	700×700×300	700×700×300	1000×700×300	1000×700×300
	Package	mm	897×808×360	897×808×360	897×808×360	1205×813×360	1205×813×360
Net weight/Gross weight	kg	34/40	34/40	34/40	43/49	43/49	
Loading quantity	40' GP	unit	168	168	168	138	
Loading quantity	40' HQ	unit	196	196	196	161	

Model		GMV-ND280PH/A-T*	GMV-ND400PH/AR-X*	GMV-ND450PH/AR-X*	GMV-N560PH/AR-M*		
Capacity	Cooling	kW	28.0	40.0	45.0	56.0	
	Heating	kW	31.0	45.0	50.0	63.0	
Power supply	V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W	900	2500	2550	2700		
Airflow volume(H/M/L)	m³/h	4400/4000/3600	8000/6100/5050	8200/6600/5550	10000		
Rated Current	Cooling	A	4.1	2.7	4.1	5.5	
	Heating	A	4.1	2.7	4.1	5.5	
ESP	Pa	100/50 ~ 200	200/50~250	200/50~250	200		
Sound pressure level(H/M/L)	dB(A)	55/52/50	61/59/56	62/60/57	63		
Connecting pipe	Liquid	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9	
	Gas	mm	Φ22.2	Φ25.4	Φ28.6	Φ28.6	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.0	1.2	1.2	1.2	
Dimension (W×D×H)	Outline	mm	1686×870×450	1680×900×650	1900×1100×700	1900×1100×850	
	Package	mm	1788×988×580	1923×1153×850	2123×1463×905	2123×1463×1060	
Net weight/Gross weight	kg	105/140	170/220	236/317	282/364		
Loading quantity	40' GP	unit	52	24	16	16	
Loading quantity	40' HQ	unit	52	36	16	16	

* This model is without water pump.

Model		GMV-ND71PHS/B-T	GMV-ND80PHS/B-T	GMV-
-------	--	-----------------	-----------------	------

Indoor Unit

Indoor Unit

High Static Pressure Duct Type Indoor Unit

Model		GMV-ND22PHS/D-T*	GMV-ND25PHS/D-T*	GMV-ND28PHS/D-T*	GMV-ND32PHS/D-T*	GMV-ND36PHS/D-T*		
Capacity	Cooling	kW	2.2	2.5	2.8	3.2	3.6	
	Heating	kW	2.5	2.8	3.2	3.6	4.0	
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption		W	50	50	50	50	50	
Airflow volume(H/M/L)		m³/h	550/480/400	550/480/400	550/480/400	600/500/420	600/500/420	
Rated current	Cooling	A	0.4	0.4	0.4	0.4	0.4	
	Heating	A	0.4	0.4	0.4	0.4	0.4	
ESP		Pa	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	
Sound pressure level(H/M/L)		dB(A)	35/31/29	35/31/29	35/31/29	36/33/30	36/33/30	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Dimension (W × D × H)	Outline	mm	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	
	Package	mm	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	
Net weight / Gross weight		kg	30.5/36	30.5/36	30.5/36	30.5/36	30.5/36	
Loading quantity	40'GP	unit	168	168	168	168	168	
	40'HQ	unit	196	196	196	196	196	

Model		GMV-ND71PHS/D-T*	GMV-ND80PHS/D-T*	GMV-ND90PHS/D-T*	GMV-ND100PHS/D-T*	GMV-ND112PHS/D-T*		
Capacity	Cooling	kW	7.1	8.0	9.0	10.0	11.2	
	Heating	kW	8.0	9.0	10.0	11.2	12.5	
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption		W	110	110	170	170	170	
Airflow volume(H/M/L)		m³/h	1250/1050/950	1250/1050/950	1800/1450/1250	1800/1450/1250	2000/1600/1400	
Rated current	Cooling	A	0.9	0.9	1.4	1.4	1.4	
	Heating	A	0.9	0.9	1.4	1.4	1.4	
ESP		Pa	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200	
Sound pressure level(H/M/L)		dB(A)	40/36/32	40/36/32	42/38/34	42/38/34	43/39/36	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Dimension (W × D × H)	Outline	mm	1000 × 700 × 300	1000 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	
	Package	mm	1205 × 813 × 360	1205 × 813 × 360	1601 × 813 × 365	1601 × 813 × 365	1601 × 813 × 365	
Net weight / Gross weight		kg	41/47	41/47	54/61	54/61	54/61	
Loading quantity	40'GP	unit	138	138	84	84	84	
	40'HQ	unit	161	161	98	98	98	

Model		GMV-ND40PHS/D-T*	GMV-ND45PHS/D-T*	GMV-ND50PHS/D-T*	GMV-ND56PHS/D-T*	GMV-ND63PHS/D-T*		
Capacity	Cooling	kW	4.0	4.5	5.0	5.6	6.3	
	Heating	kW	4.5	5.0	5.6	6.3	7.1	
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption		W	100	100	100	105	105	
Airflow volume(H/M/L)		m³/h	850/700/600	850/700/600	850/700/600	1000/800/700	1000/800/700	
Rated current	Cooling	A	0.8	0.8	0.8	0.8	0.8	
	Heating	A	0.8	0.8	0.8	0.8	0.8	
ESP		Pa	50/0~80	50/0~80	50/0~80	90/0~200	90/0~200	
Sound pressure level(H/M/L)		dB(A)	40/36/32	40/36/32	40/36/32	40/36/32	40/36/32	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Dimension (W × D × H)	Outline	mm	700 × 700 × 300	700 × 700 × 300	700 × 700 × 300	1000 × 700 × 300	1000 × 700 × 300	
	Package	mm	897 × 808 × 360	897 × 808 × 360	897 × 808 × 360	1205 × 813 × 360	1205 × 813 × 360	
Net weight / Gross weight		kg	31.5/37	31.5/37	31.5/37	40.5/46.5	40.5/46.5	
Loading quantity	40'GP	unit	168	168	168	138	138	
	40'HQ	unit	196	196	196	161	161	

Model		GMV-ND125PHS/D-T*	GMV-ND140PHS/D-T*	GMV-ND160PHS/D-T*	GMV-ND180PHS/D-T*			
Capacity	Cooling	kW	12.5	14.0	16.0	18.0		
	Heating	kW	14.0	16.0	18.0	20.0		
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption		W	170	240	240	350		
Airflow volume(H/M/L)		m³/h	2000/1600/1400	2350/1900/1650	2500/2000/1750	3000/2600/2000		
Rated current	Cooling	A	1.4	1.8	1.8	2.0		
	Heating	A	1.4	1.8	1.8	2.0		
ESP		Pa	90/0~200	90/0~200	90/0~200	90/0~170		
Sound pressure level(H/M/L)		dB(A)	44/40/37	44/41/38	45/43/40	49/47/44		
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52		
	Gas	mm	Φ15.9	Φ15.9	Φ19.05	Φ19.05		
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25		
	Thickness	mm	2.5	2.5	2.5	2.5		
Dimension (W × D × H)	Outline	mm	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300	1400 × 700 × 300		
	Package	mm	1601 × 813 × 365	1601 × 813 × 365	1601 × 813 × 365	1678 × 808 × 365		
Net weight / Gross weight								

Indoor Unit

Indoor Unit

General Static Pressure Duct Type Indoor Unit

Model		GMV-ND18PLS/C1-T	GMV-ND22PLS/C1-T	GMV-ND25PLS/C1-T	GMV-ND28PLS/C1-T	GMV-ND32PLS/C1-T	
Capacity	Cooling	kW	1.80	2.20	2.50	2.80	3.20
	Heating	kW	2.20	2.50	2.80	3.20	3.60
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption		W	28	28	28	28	37
Airflow volume(H/M/L)		m³/h	450/350/200	450/350/200	450/350/200	450/350/200	550/400/300
Rated Current	Cooling	A	0.2	0.2	0.2	0.2	0.3
	Heating	A	0.2	0.2	0.2	0.2	0.3
ESP		Pa	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30	15/0 ~ 30
Sound pressure level (H/M/L)		dB(A)	30/25/22	30/25/22	30/25/22	30/25/22	31/27/25
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7
Drain pipe	External dia.	mm	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	710×462×200	710×462×200	710×462×200	710×462×200	710×462×200
	Package	mm	1008×568×275	1008×568×275	1008×568×275	1008×568×275	1008×568×275
Net weight/Gross weight		kg	18.5/23.5	18.5/23.5	18.5/23.5	18.5/23.5	19/24
Loading quantity	40' GP	unit	386	386	386	386	386
	40' HQ	unit	430	430	430	430	430

Model		GMV-ND63PLS/C1-T	GMV-ND71PLS/C1-T	GMV-ND80PLS/C1-T	GMV-ND80PLS/C-T	GMV-ND90PLS/C-T	
Capacity	Cooling	kW	6.30	7.10	8.00	8.0	9.0
	Heating	kW	7.10	8.00	9.00	9.0	10.0
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption		W	55	55	55	110	130
Airflow volume(H/M/L)		m³/h	850/700/550	1100/850/650	1200/950/700	1250/1100/900	1500/1250/900
Rated Current	Cooling	A	0.4	0.5	0.5	0.53	0.63
	Heating	A	0.4	0.5	0.5	0.53	0.63
ESP		Pa	15/0~30	15/0~30	15/0~30	50/0 ~ 80	50/0 ~ 80
Sound pressure level (H/M/L)		dB(A)	35/31/29	37/32/30	40/35/31	37/34/31	40/36/32
Connecting pipe	Liquid	mm	Φ15.9	Φ15.9	Φ15.9	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	25	25	25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	1010×462×200	1310×462×200	1310×462×200	1200×655×260	1340×655×260
	Package	mm	1308×568×275	1608×568×275	1608×568×275	1448×858×315	1588×858×315
Net weight/Gross weight		kg	25/31	31/37.5	31/37.5	39.0/48.0	45.5/54.5
Loading quantity	40' GP	unit	288	229	229	154	105
	40' HQ	unit	340	257	257	176	120

Model		GMV-ND36PLS/C1-T	GMV-ND40PLS/C1-T	GMV-ND45PLS/C1-T	GMV-ND50PLS/C1-T	GMV-ND56PLS/C1-T	
Capacity	Cooling	kW	3.60	4.00	4.50	5.00	5.60
	Heating	kW	4.00	4.50	5.00	5.60	6.30
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption		W	37	40	40	40	55
Airflow volume(H/M/L)		m³/h	550/400/300	750/550/400	750/550/400	750/550/400	850/700/550
Rated Current	Cooling	A	0.3	0.3	0.3	0.3	0.4
	Heating	A	0.3	0.3	0.3	0.3	0.4
ESP		Pa	15/0 ~ 30	15/0 ~ 30	15/0~30	15/0~30	
Sound pressure level (H/M/L)		dB(A)	31/27/25	33/29/27	33/29/27	33/29/27	35/31/29
Connecting pipe	Liquid	mm	Φ6.35	Φ12.7	Φ12.7	Φ12.7	Φ15.9
	Gas	mm	Φ12.7	Φ6.35	Φ6.35	Φ6.35	Φ9.52
Drain pipe	External dia.	mm	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	710×462×200	1010×462×200	1010×462×200	1010×462×200	1010×462×200
	Package	mm	1008×568×275	1308×568×275	1308×568×275	1308×568×275	1308×568×275
Net weight/Gross weight		kg	19/24	24/30	24/30	24/30	25/31
Loading quantity	40' GP	unit	386	288	288	288	288
	40' HQ	unit	430	340	340	340	340

Model		GMV-ND100PLS/C-T	GMV-ND112PLS/C-T	GMV-ND125PLS/C-T	GMV-ND140PLS/C-T		
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	
	Heating	kW	11.2	12.5	14.0	16.0	
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption		W	130	130	170	170	
Airflow volume(H/M/L)		m³/h	1500/1350/1000	1700/1500/1100	2000/1700/1400	2000/1700/1400	
Rated Current	Cooling	A	0.63	0.63	0.8	0.8	
	Heating	A	0.63	0.63	0.8	0.8	
ESP		Pa	50/0 ~ 80	50/0 ~ 80	50/0 ~ 80	50/0 ~ 80	
Sound pressure level (H/M/L)		dB(A)	40/36/32	40/36/32	42/40/37	42/40/37	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	
Dimension (W×D×H)	Outline	mm	1340×655×260	1340×655×260	1340×655×260	1340×655×260	
	Package	mm	1588×858×315	1588×858×315	1588×858×315	1588×858×315	
Net weight/Gross weight		kg	45.5/54.5	45.5/54.5	46.5/55.5	46.5/55.5	

Indoor Unit

Indoor Unit

360° Air Discharge Cassette Indoor Unit

Model		GMV-ND22T/C-T	GMV-ND28T/C-T	GMV-ND36T/C-T	GMV-ND45T/C-T	GMV-ND50T/C-T		
Capacity	Cooling	kW	2.2	2.8	3.6	4.5		
	Heating	kW	2.5	3.2	4.0	5.0		
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption		W	26	26	26	28		
Airflow volume(H/M/L)		m³/h	800/700/600	800/700/600	800/700/600	900/800/700		
Rated current	Cooling	A	0.2	0.2	0.2	0.2		
	Heating	A	0.2	0.2	0.2	0.2		
Sound pressure level(H/M/L)		dB(A)	33/30/28	33/30/28	33/30/28	35/32/29		
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35		
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7		
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25		
	Thickness	mm	2.5	2.5	2.5	2.5		
Main body	Dimension (W×D×H)	Outline	840×840×240	840×840×240	840×840×240	840×840×240		
	Package	mm	963×963×325	963×963×325	963×963×325	963×963×325		
Net weight/Gross weight		kg	27.0/35.0	27.0/35.0	27.0/35.0	28.0/36.0		
Panel	Model		TF06	TF06	TF06	TF06		
	Dimension (W×D×H)	Outline	950×950×65	950×950×65	950×950×65	950×950×65		
	Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110		
	Net weight/Gross weight	kg	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5		
Loading quantity	40' GP	unit	126	126	126	126		
	40' HQ	unit	144	144	144	144		

Model		GMV-ND56T/C-T	GMV-ND63T/C-T	GMV-ND71T/C-T	GMV-ND80T/C-T	GMV-ND90T/C-T		
Capacity	Cooling	kW	5.6	6.3	7.1	8.0		
	Heating	kW	6.3	7.1	8.0	10.0		
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption		W	35	60	60	85	85	
Airflow volume(H/M/L)		m³/h	950/850/750	1150/950/850	1150/950/850	1250/1000/900	1250/1000/900	
Rated current	Cooling	A	0.2	0.4	0.4	0.4	0.4	
	Heating	A	0.2	0.4	0.4	0.4	0.4	
Sound pressure level(H/M/L)		dB(A)	37/33/30	37/34/31	37/34/31	39/37/34	39/37/34	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Main body	Dimension (W×D×H)	Outline	840×840×240	840×840×240	840×840×240	840×840×240	840×840×240	
	Package	mm	963×963×325	963×963×325	963×963×325	963×963×325	963×963×325	
Net weight/Gross weight		kg	28.0/36.0	28.0/36.0	28.0/36.0	29.0/37.0	29.0/37.0	
Panel	Model		TF06	TF06	TF06	TF06	TF06	
	Dimension (W×D×H)	Outline	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65	
	Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	
	Net weight/Gross weight	kg	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5	
Loading quantity	40' GP	unit	126	126	126	126	126	
	40' HQ	unit	144	144	144	144	144	

Model		GMV-ND100T/C-T	GMV-ND112T/C-T	GMV-ND125T/C-T	GMV-ND140T/C-T	GMV-ND160T/C-T		
Capacity	Cooling	kW	10.0	11.2	12.5	14.0		
	Heating	kW	11.2	12.5	14.0	18.0		
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption		W	85	115	115	115	170	
Airflow volume(H/M/L)		m³/h	1250/1000/900	1650/1300/1100	1650/1300/1100	1650/1300/1100	2000/1800/1430	
Rated current	Cooling	A	0.4	0.6	0.6	0.6	1.2	
	Heating	A	0.4	0.6	0.6	0.6	1.2	
Sound pressure level(H/M/L)		dB(A)	39/37/34	43/41/39	43/41/39	43/41/39	51/48/42	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Main body	Dimension (W×D×H)	Outline	840×840×240	840×840×290	840×840×290	840×840×290	840×840×290	
	Package	mm	963×963×325	963×963×379	963×963×379	963×963×379	963×963×379	
Net weight/Gross weight		kg	29.0/37.0	33.0/42.0	33.0/42.0	33.0/42.0	36.0/44.0	
Panel	Model		TF06	TF06	TF06	TF06	TF06	
	Dimension (W×D×H)	Outline	950×950×65	950×950×65	950×950×65	950×950×65	950×950×65	
	Package	mm	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	1033×1020×110	
	Net weight/Gross weight	kg	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5	6.0/9.5	
Loading quantity	40' GP	unit	126	113	113	113	113	
	40' HQ	unit	144	124	124	124	124	

Model		GMV-ND22T/D1-T*	GMV-ND28T/D1-T*	GMV-ND36T/D1-T*	GMV-ND45T/D1-T*	GMV-ND50T/D1-T*		
Capacity	Cooling	kW	2.2	2.8	3.6	4.5		
	Heating	kW	2.5	3.2	4.0	5.0		
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption		W	40	40	40	50	50	
Airflow volume(H/M/L)		m³/h	800/700/600	800/700/600	800/700/600	900/800/700	900/800/700	
Rated current	Cooling	A	0.35	0.35	0.35	0.44	0.44	
	Heating	A	0.35	0.35	0.35	0.44	0.44	
Sound pressure level(H/M/L)								

Indoor Unit

Indoor Unit

360° Air Discharge Compact Cassette Indoor Unit

Model		GMV-ND15T/E-T	GMV-ND18T/E-T	GMV-ND22T/E-T	GMV-ND28T/E-T		
Capacity	Cooling	kW	1.5	1.8	2.2		
	Heating	kW	1.8	2.2	2.5		
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption		W	30	30	30	30	
Airflow volume(H/M/L)		m³/h	460/420/370	460/420/370	500/460/370	570/480/420	
Rated current	Cooling	A	0.15	0.15	0.15	0.15	
	Heating	A	0.15	0.15	0.15	0.15	
Sound pressure level(H/M/L)		dB(A)	33/30/25	33/30/25	36/31/25	36/33/28	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	
Main body	Dimension (W×D×H)	Outline	570×570×265	570×570×265	570×570×265	570×570×265	
	Package	mm	698×653×295	698×653×295	698×653×295	698×653×295	
Net weight/Gross weight		kg	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	
Panel	Model		TF05	TF05	TF05	TF05	
	Dimension (W×D×H)	Outline	620×620×47.5	620×620×47.5	620×620×47.5	620×620×47.5	
	Package	mm	701×701×125	701×701×125	701×701×125	701×701×125	
	Net weight/Gross weight		kg	3.0/4.5	3.0/4.5	3.0/4.5	3.0/4.5
Loading quantity		40' GP	unit	378	378	378	378
40' HQ		unit	432	432	432	432	432

2-way Cassette Indoor Unit

Model		GMV-ND28TS/B-T	GMV-ND36TS/B-T	GMV-ND45TS/B-T	GMV-ND50TS/B-T	GMV-ND56TS/B-T	GMV-ND63TS/B-T	GMV-ND71TS/B-T	GMV-ND80TS/B-T
Capacity	Cooling	kW	2.8	3.6	4.5	5.0	5.6	6.3	7.1
	Heating	kW	3.2	4.0	5.0	5.6	6.3	7.1	8.0
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz						
Power consumption		W	20	20	30	30	30	30	55
Airflow volume(H/M/L)		m³/h	671/616/513	671/616/513	715/616/513	715/616/513	764/709/676	764/709/676	816/745/660
Rated current	Cooling	A	0.25	0.25	0.30	0.30	0.30	0.49	0.49
	Heating	A	0.25	0.25	0.30	0.30	0.30	0.49	0.49
Sound pressure level(H/M/L)		dB(A)	33/31/28	33/31/28	35/31/28	35/31/28	37/35/32	37/35/32	39/37/34
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280	790×630×280
	Package	mm	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365	1033×740×365
Net weight/Gross weight		kg	25.5/33.0	25.5/33.0	25.5/33.0	25.5/33.0	26.0/33.5	26.0/33.5	26.0/33.5
Panel	Model		TE03	TE03	TE03	TE03	TE03	TE03	TE03
	Dimension (W×D×H)	Outline	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28	1100×710×28
	Package	mm	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230×843×130	1230×843×130
	Net weight/Gross weight		kg	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5	6.0/10.5
Loading quantity	40' GP	unit	144	144	144	144	144	144	144
	40' HQ	unit	166	166	166	166	166	166	166

1-way Cassette Indoor Unit

Model		GMV-ND36T/E-T	GMV-ND45T/E-T	GMV-ND50T/E-T	GMV-ND56T/E-T		
Capacity	Cooling	kW	3.6	4.5	5.6		
	Heating	kW	4.0	5.0	6.3		
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption		W	30	45	45	45	
Airflow volume(H/M/L)		m³/h	620/550/480	730/650/560	730/650/560	730/650/560	
Rated current	Cooling	A	0.15	0.23	0.23	0.23	
	Heating	A	0.15	0.23	0.23	0.23	
Sound pressure level(H/M/L)		dB(A)	39/37/35	43/41/39	43/41/39	43/41/39	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9	
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	
	Thickness	mm	2.5	2.5	2.5	2.5	
Main body	Dimension (W×D×H)	Outline	570×570×265	570×570×265	570×570×265	570×570×265	
	Package	mm	698×653×295	698×653×295	698×653×295	698×653×295	
Net weight/Gross weight		kg	17.5/22.5	17.5/22.5	17.5/22.5	17.5/22.5	
Panel	Model		TF05	TF05	TF05	TF05	
	Dimension (W×D×H)	Outline	620×620×47.5	620×620×47.5	620×620×47.5	620×620×47.5	
	Package	mm	701×701×125	701×701×125	701×701×125	701×701×125	
	Net weight/Gross weight		kg	3.0/4.5	3.0/4.5	3.0/4.5	3.0/4.5
Loading quantity		40' GP	unit	378	378	378	378
40' HQ		unit	432	432	432	432	432

Model		GMV-ND22TD/A-T	GMV-ND28TD/A-T	GMV-ND36TD/A-T	GMV-ND45TD/A-T	GMV-ND50TD/A-T	GMV-ND56TD/A-T
Capacity	Cooling	kW	2.2	2.8	3.6	4.	

Indoor Unit

Indoor Unit

Model		GMV-ND63TD/B-T		GMV-ND71TD/B-T		GMV-ND80TD/B-T	
Capacity	Cooling	kW	6.3	7.1	8.0		
	Heating	kW	7.1	8.0	9.0		
Power supply	V/Ph/Hz			220-240V~ 50Hz & 208-230V~ 60Hz			
Power consumption	W	57	83	83			
Airflow volume(H/M/L)	m³/h	880/680/600	1000/680/600	1000/680/600			
Rated current	Cooling	A	0.55	0.86	0.86		
	Heating	A	0.55	0.86	0.86		
Sound pressure level(H/M/L)	dB(A)	42/39/36	44/39/36	44/39/36			
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52		
	Gas	mm	Φ15.9	Φ15.9	Φ15.9		
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25		
	Thickness	mm	2.50	2.50	2.50		
Main body	Dimension (W × D × H)	Outline	1200 × 470 × 200	1200 × 470 × 200	1200 × 470 × 200		
	Package	mm	1438 × 548 × 255	1438 × 548 × 255	1438 × 548 × 255		
	Net weight/Gross weight	kg	26/31.5	26/31.5	26/31.5		
Panel	Model		TD03	TD03	TD03		
	Dimension (W × D × H)	Outline	1350 × 555 × 64	1350 × 555 × 64	1350 × 555 × 64		
	Package	mm	1443 × 648 × 155	1443 × 648 × 155	1443 × 648 × 155		
	Net weight/Gross weight	kg	7.8/13.5	7.8/13.5	7.8/13.5		
	40'GP	unit	170	170	170		
Loading quantity	40'HQ	unit	189	189	189		

Floor Ceiling Type Indoor Unit

Model		GMV-ND28ZD/B-T	GMV-ND36ZD/B-T	GMV-ND50ZD/B-T	GMV-ND56ZD/B-T	GMV-ND63ZD/B-T	GMV-ND71ZD/B-T	
Capacity	Cooling	kW	2.8	3.6	5.0	5.6	6.3	7.1
	Heating	kW	3.2	4.0	5.6	6.3	7.1	8.0
Power supply	V/Ph/Hz			220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption	W	35	35	55	55	80	80	
Airflow volume(H/M/L)	m³/h	600/500/450	600/500/450	750/650/600	750/650/600	1350/1200/1050	1350/1200/1050	
Rated current	Cooling	A	0.2	0.2	0.3	0.3	0.4	0.4
	Heating	A	0.2	0.2	0.3	0.3	0.4	0.4
Sound pressure level(H/M/L)	dB(A)	36/32/29	36/32/29	42/39/36	42/39/36	44/41/38	44/41/38	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ17	Φ17	Φ17	Φ17	Φ17	Φ17
	Thickness	mm	1.75	1.75	1.75	1.75	1.75	1.75
Dimension (W × D × H)	Outline	mm	870 × 665 × 235	870 × 665 × 235	870 × 665 × 235	870 × 665 × 235	1200 × 665 × 235	1200 × 665 × 235
	Package	mm	973 × 770 × 300	973 × 770 × 300	973 × 770 × 300	973 × 770 × 300	1303 × 770 × 300	1303 × 770 × 300
Net weight/Gross weight	kg	24/29	24/29	25/30	25/30	32/38	32/38	
Loading quantity	40' GP	unit	252	252	252	189	189	
	40' HQ	unit	288	288	288	216	216	

Model		GMV-ND90ZD/B-T	GMV-ND112ZD/B-T	GMV-ND125ZD/B-T	GMV-ND140ZD/B-T	GMV-ND160ZD/B-T	
Capacity	Cooling	kW	9.0	11.2	12.5	14.0	16.0
	Heating	kW	10.0	12.5	14.0	16.0	18.0
Power supply	V/Ph/Hz			220-240V~ 50Hz & 208-230V~ 60Hz			
Power consumption	W	120	120	120	150	175	
Airflow volume(H/M/L)	m³/h	1550/1400/1250	1800/1600/1400	1800/1600/1400	2000/1750/1600	2150/1850/1650	
Rated current	Cooling	A	0.7	0.7	0.7	0.8	0.9
	Heating	A	0.7	0.7	0.7	0.8	0.9
Sound pressure level(H/M/L)	dB(A)	47/44/41	47/44/42	47/44/42	49/45/43	52/48/45	
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05
Drain pipe	External dia.	mm	Φ17	Φ17	Φ17	Φ17	Φ17
	Thickness	mm	1.75	1.75	1.75	1.75	1.75
Dimension (W × D × H)	Outline	mm	1200 × 665 × 235	1570 × 665 × 235	1570 × 665 × 235	1570 × 665 × 235	1570 × 665 × 235
	Package	mm	1303 × 770 × 300	1669 × 770 × 300	1669 × 770 × 300	1669 × 770 × 300	1669 × 770 × 300
Net weight/Gross weight	kg	33/39	41/48	41/48	43/50	43/50	
Loading quantity	40' GP	unit	189	147	147	147	147
	40' HQ	unit	216	168	168	168	168

Wall-mounted Type Indoor Unit

Model		GMV-ND15G/B4B-T	GMV-ND18G/B4B-T	GMV-ND22G/B4B-T	GMV-ND28G/B4B-T	GMV-ND36G/B4B-T	GMV-ND45G/B4B-T	GMV-ND50G/B4B-T	
Capacity	Cooling	kW	1.5	1.8	2.2	2.8	3.6	4.5	5.0
	Heating	kW	1.8	2.2	2.5	3.2	4.0	5.0	5.6
Power supply	V/Ph/Hz			220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W	20	20	20	20	25	35	35	
Airflow volume(H/M/L)	m³/h	500/440/300	500/440/300	500/440/300	500/440/300	630/460/320	850/580/500	850/580/500	
Rated current	Cooling	A	0.1	0.1	0.1	0.12	0.17	0.17	
	Heating	A	0.1	0.1	0.1	0.1	0.17	0.17	
Sound pressure level(H/M/L)	dB(A)	35/33/30	35/33/30	35/33/30	35/33/30	38/35/31	43/40/37	43/40/37	
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	
Drain pipe	External dia.	mm	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20	
	Thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5	
Dimension (W × D × H)	Outline	mm	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	845 × 209 × 289	970 × 224 × 300	970 × 224 × 300
	Package	mm	976 × 281 × 379	976 × 281 × 379	976 × 281 × 379	976 × 281 × 379	976 × 281 × 379	1096 × 308 × 395	1096 × 308 × 395
Net weight/Gross weight	kg	10.5/12.5	10.5/12.5	10.5/12.5	10.5/12.5	10.5/12.5	12.5/15.5	12.5/15.5	
Loading quantity	40' GP	unit	576	576	576	576	576	448	448
	40' HQ	unit	576	57					

Indoor Unit

Indoor Unit

Floor Standing Type

Model		GMV-ND100L/A-T				GMV-ND140L/A-T			
Capacity	Cooling	kW	10.0			14.0			
	Heating	kW	11.0			15.0			
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz						
Power consumption	W		200			200			
Airflow volume(H/M/L)	m³/h		1850/1600/1400			1850/1600/1400			
Sound pressure level(H/M/L)	dB(A)		50/48/46			50/48/46			
Connecting pipe	Liquid	mm	Φ9.52			Φ9.52			
	Gas	mm	Φ15.9			Φ15.9			
External dia.	mm		Φ31			Φ31			
Drain pipe	Thickness	mm	4.5			4.5			
Dimension (W × D × H)	Outline	mm	580 × 400 × 1870			580 × 400 × 1870			
Package	mm		738 × 545 × 2083			738 × 545 × 2083			
Net weight/Gross weight	kg		54.0/74.0			57.0/77.0			
Loading quantity	40' GP	unit	67			67			
	40' HQ	unit	67			67			

Concealed Floor Standing Type

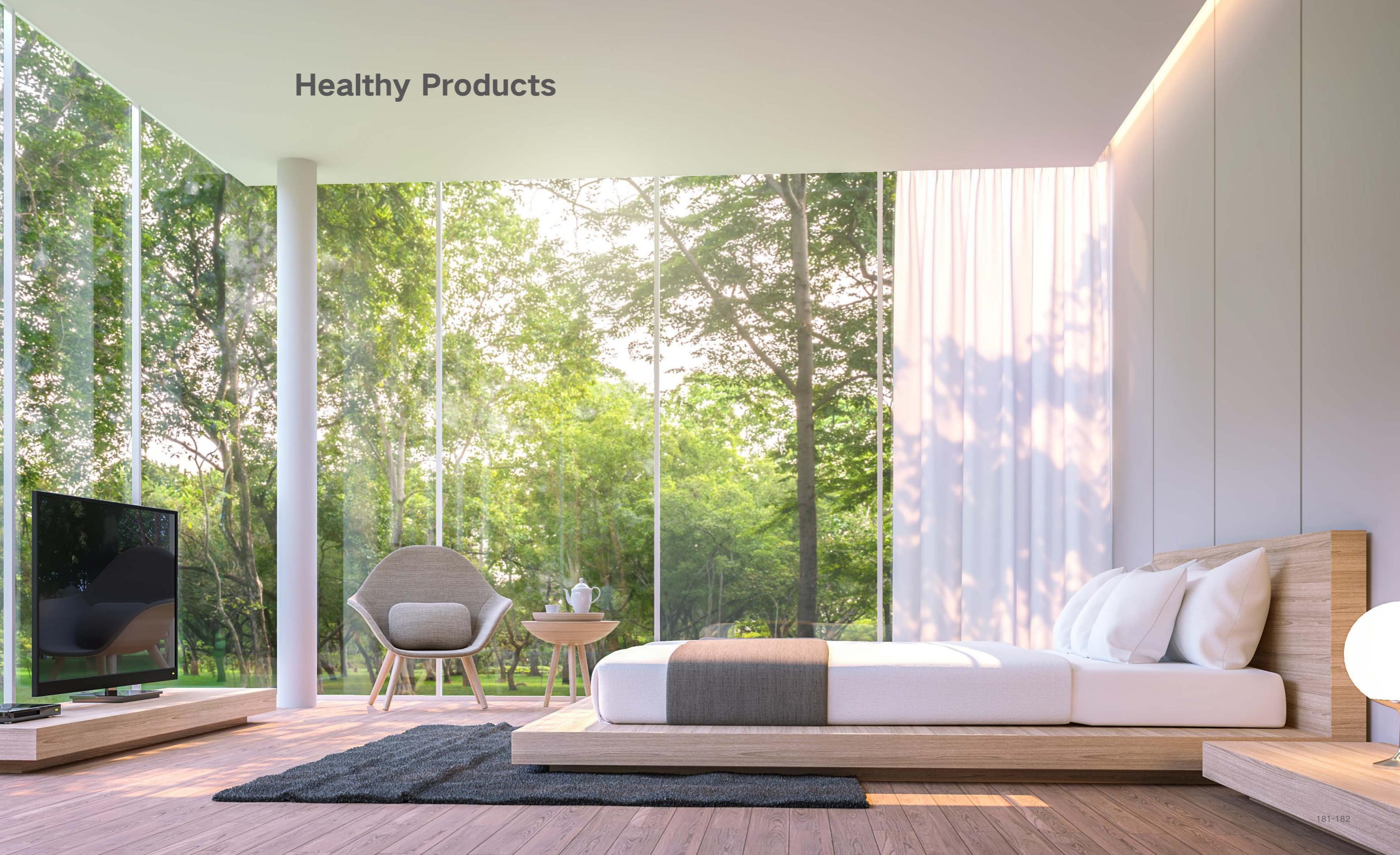
Model		GMV-ND22ZA/A-T	GMV-ND28ZA/A-T	GMV-ND36ZA/A-T	GMV-ND45ZA/A-T	GMV-ND56ZA/A-T	GMV-ND63ZA/A-T	GMV-ND71ZA/A-T
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	6.3
	Heating	kW	2.5	3.2	4.0	5.0	6.3	7.1
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption	W	35	35	43	45	80	80	90
Airflow volume(H/M/L)	m³/h	450/350/250	450/350/250	550/450/350	650/500/400	900/750/600	900/750/600	1100/900/700
Rated current	Cooling	A	0.18	0.18	0.22	0.23	0.41	0.41
	Heating	A	0.18	0.18	0.22	0.23	0.41	0.46
ESP	Pa	10/0 ~ 40	10/0 ~ 40	10/0 ~ 40	15/0 ~ 60	15/0 ~ 60	15/0 ~ 60	15/0 ~ 60
Sound pressure level(H/M/L)	dB(A)	30/28/25	30/28/25	33/31/28	33/31/28	35/33/30	35/33/30	37/35/33
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9
External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
Drain pipe	Thickness	mm	1.2	1.2	1.2	1.2	1.2	1.2
Dimension (W × D × H)	Outline	mm	700 × 200 × 615	700 × 200 × 615	700 × 200 × 615	900 × 200 × 615	1100 × 200 × 615	1100 × 200 × 615
Package	mm	893 × 305 × 743	893 × 305 × 743	893 × 305 × 743	1123 × 305 × 743	1323 × 305 × 743	1323 × 305 × 743	1323 × 305 × 743
Net weight/Gross weight	kg	23/30	23/30	23/30	27/36	32/41	32/41	32/41
Loading quantity	40' GP	unit	273	273	273	217	175	175
	40' HQ	unit	312	312	312	248	200	200

AHU-KIT

Model		GMV-N36U/C-T	GMV-N71U/C-T		GMV-N140U/C-T		GMV-N280U/C-T		GMV-N560U/C-T
Defaulted capacity of ex-factory	Capacity	36	71		140		280		560
	Cooling	kW	3.6	7.1		14.0		28.0	56.0
Adjustable capacity	Capacity	28	36	45	56	71	90	112	140
	Cooling	kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2
Power input	Heating	kW	3.2	4.0	5.0	6.3	8.0	10.0	12.5
									16.0
Power supply	V/Ph/Hz		220-240V~ 50Hz & 208-230V~ 60Hz						
Size of connection pipe	AHU-KIT (ex-factory pipe size)	mm	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Air handling unit	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ19.05
Connection method		Brazing Connection							
Outline dimension (W × D × H)	EXV box	mm	203 × 326 × 85	203 × 326 × 85	203 × 326 × 85		203 × 326 × 85		246 × 500 × 120
	Control box	mm	334 × 284 × 111	334 × 284 × 111	334 × 284 × 111		334 × 284 × 111		203 × 326 × 85
Package dimension(W × D × H)	mm	539 × 461 × 247	539 × 461 × 247	539 × 461 × 247		539 × 461 × 247		759 × 645 × 180	
Net weight	kg	10.0		10.5		10.5		13.0	
Gross weight	kg	13.0		13.5		13.5		17.5	
Loading	40' GP	unit	990		990		990		702
	40' HP	unit	1100		1100		1100		756

Model		GMV-N560U/C-T +GMV-N140U/C-T	GMV-N560U/C-T +GMV-N280U/C-T	GMV-N560U/C-T +GMV-N560U/C-T	GMV-N560U/C-T +GMV-N560U/C-T	GMV-N560U/C-T +GMV-N560U/C-T	GMV-N560U/C-T +GMV-N560U/C-T
Defaulted capacity of ex-factory	Capacity	840+140	840+280	840+560	840+840	840+840+140	840+840+280
	Cooling	kW	98.0	112.0	140.0	168.0	182.0
	Heating	kW	110.5	126.0	157.5	189.0	204.5
Power input		W	8+8	8+8	8+8	8+8+8	8+8+8
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz				
Size of connection pipe	Air handling unit	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.2
	Gas pipe	mm	Φ38.1	Φ38.1	Φ41.3	Φ41.3	Φ44.5
Connection method		Brazing Connection					
Outline dimension (W × D × H)	EXV box	mm	246 × 500 × 120 +203 × 326 × 85	246 × 500 × 120 +203 × 326 × 85	(246 × 500 × 120) × 2 (246 × 500 × 120) × 2 +203 × 326 × 85	(246 × 500 × 120) × 2 +203 × 326 × 85	(246 × 500 × 120) × 3
	Control box	mm	(334 × 284 × 111) × 2	(334 × 284 × 111) × 2	(334 × 284 × 111) × 2	(334 × 284 × 111) × 3	(334 × 284 × 111) × 3
Package dimension(W × D × H)		mm	759 × 645 × 180+ 539 × 461 × 247	759 × 645 × 180+ 539 × 461 × 247	(759 × 645 × 180) × 2 +539 × 461 × 247	(759 × 645 × 180) × 2 +539 × 461 × 247	(759 × 645 × 180) × 3
Net weight		kg	13.0+10.5	13.0+10.5	13.0+13.0	13.0+13.0	

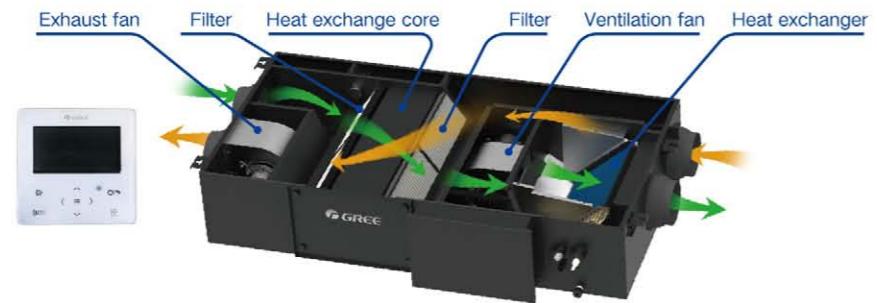
Healthy Products



ERV+DX COIL

INVERTER R410A

This series are fresh air units with evaporators, which means they have total heat exchangers and evaporators. When it's used with outdoor units, it can deliver fresh air without increasing the indoor load. They have multiple operation modes and are widely applicable.



Memory function



Easier maintenance



°C/°F switch



Centralized control

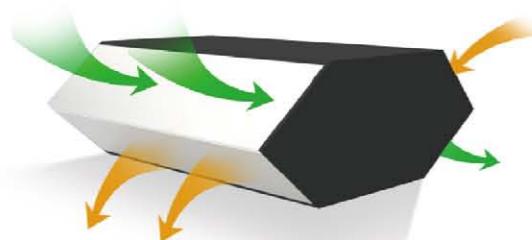


Weekly timer

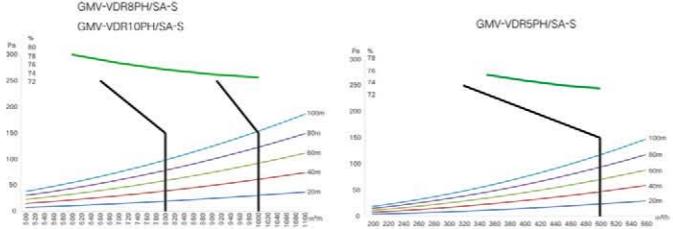


Child lock

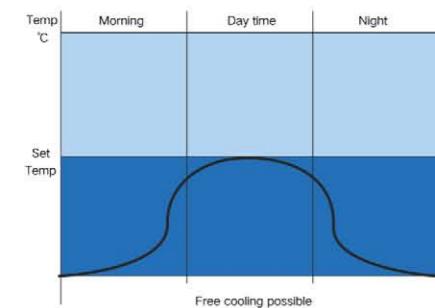
» High-efficiency HR module: They are built with heat exchange chips for efficient energy recovery on the air discharge side. When they are in use, other air conditioning equipment will consume less power.



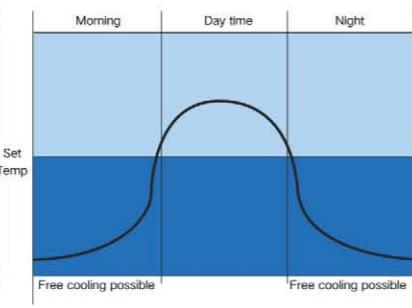
» Constant air volume: Units adopt constant air volume control technology so that they can maintain constant air volume within a specific range of pipeline resistance.



» Free cooling: When outdoor temperature is lower than the set temperature, units can automatically introduce the fresh outdoor air to make the room cooler. In transition season, free cooling can always be valid; under large temperature difference of day and night in summer, the free cooling mode can also be activated to cool down the indoor temperature.

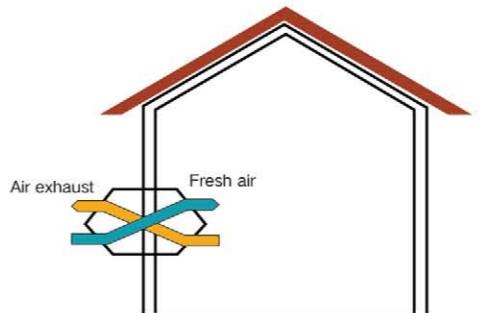


Example of cooling during transition season

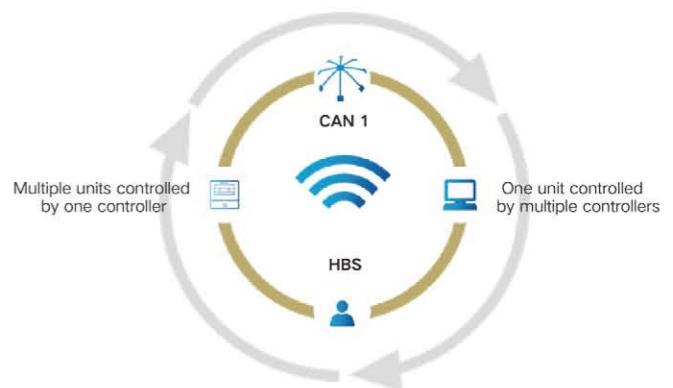


Example of cooling during summer

» Multiple air supply modes: Positive pressure air supply: Different air flow volume can be set for the fresh air side and air discharge side to keep the indoor side under minor positive pressure, which will help guarantee room cleanliness; Negative pressure air supply: Different air flow volume can be set for the fresh air side and air discharge side to keep the indoor side under minor negative pressure, which will help prevent leakage of indoor pollutants. Balanced air supply: The fresh air side and air discharge side can be set with the same air flow volume (default).



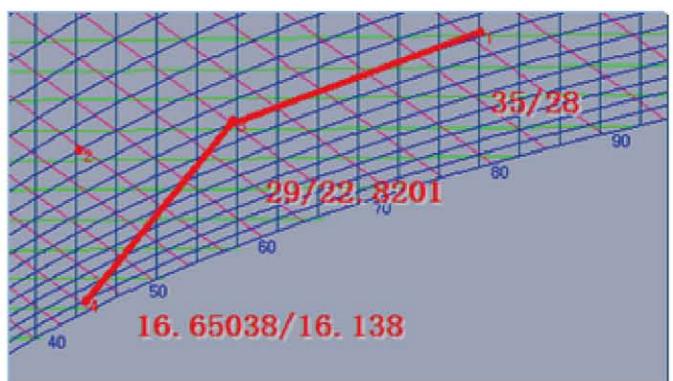
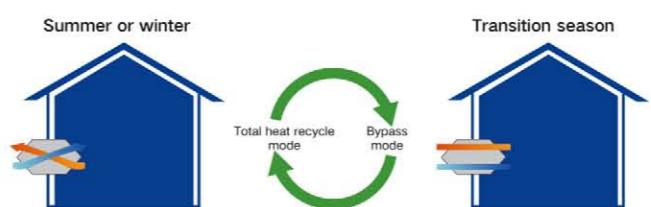
» Linked control: Units can be connected to other indoor units in the same CAN and HBS networks for linked control.



» Cooling and heating functions: With fan coils, they have cooling and heating functions like common air conditioners. For example: Under the condition of 35°C(RH60%) for outdoor temperature, 27°C(RH50%) for indoor temperature and 73% of heat exchanger efficiency, when the fresh air passes through the core heat exchanger, and it reaches about 29°C , and then the fresh air is further cooled down and dehumidified by the evaporator, so that the fresh air reaches the appropriate temperature before entering the room.

» Multiple operation modes:

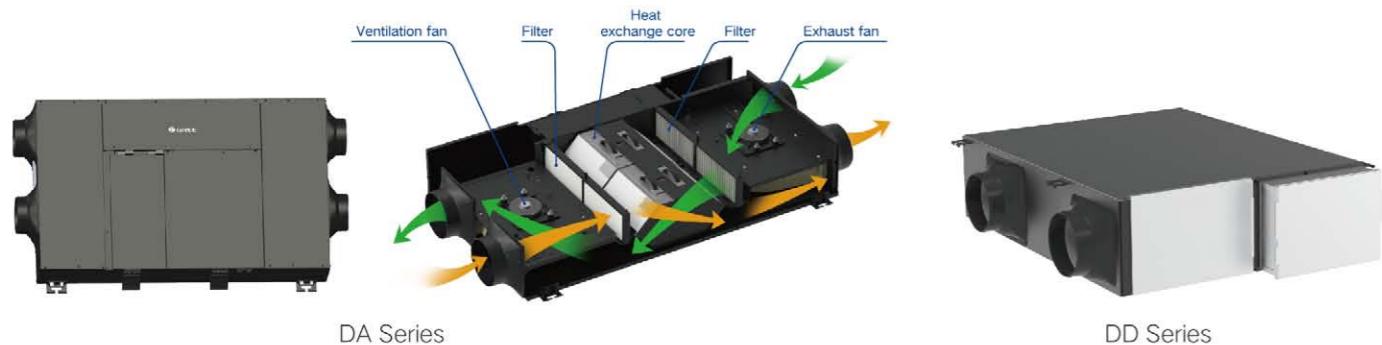
Total heat exchange mode: There is heat exchange at the fresh air side and air discharge side for efficiency energy recovery. Bypass mode: Ventilation without heat exchange. Air discharge mode: Only air discharge side is turned on for ventilation.



Model		GMV-VDR5PH/SA-S	GMV-VDR8PH/SA-S	GMV-VDR10PH/SA-S
Rated voltage	V		220-240	50/60
Rated frequency	Hz			12.0
Cooling capacity	kW	8.5	12.0	14.5
Heating capacity	kW	4.0	10.6	12.0
Power input	kW	0.27	0.44	0.64
Current Input	A	1.65	2.73	3.86
Indoor unit	Airflow volume	CFM m³/h	294 500	471 800
	ESP Rated	Pa	150	150
Thermal exchange efficiency	%	73	74	73
Sound power level	dB	55	59	62
Dimension (W × D × H)	mm	1700 × 880 × 340	1800 × 1185 × 390	1800 × 1185 × 390
Outline Package	mm	1988 × 1138 × 535	2110 × 1440 × 567	2110 × 1440 × 567
Net weight/Gross weight	kg	120/175	158/225	158/225
Ventiliduct Outer diameter	mm	200	250	250
Loading quantity 20'GP/40'GP/40'HQ	unit	20/44/44	16/32/32	16/32/32
Standard wired controller			XE70-33/H	

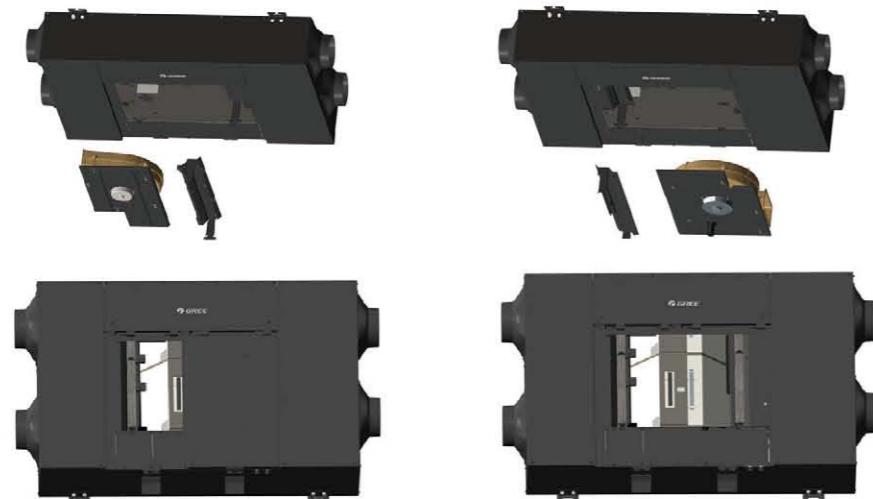
ERV

ERV unit is an air terminal that can purify fresh outdoor air and exchange energy with indoor exhaust air. The unit consists of filters, heat exchangers and fan motors. The fresh outdoor air will pass through the filter and then exchange energy with the exhaust air in the total heat exchanger before entering the room. Through pre-cooling/pre-heating of the outdoor air, it can effectively reduce the fresh air load and achieve ventilation, air filtration and energy conservation.



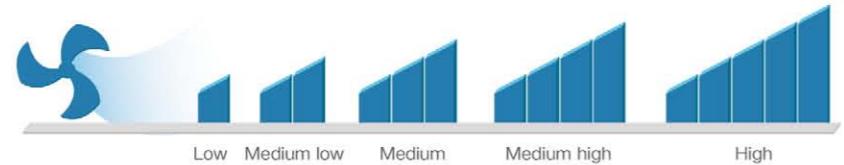
Ultra-thin Body, Convenient Maintenance

The unit is 220mm/240mm thick, which makes it easier to be installed into a narrow ceiling space; the lower service access port is convenient for maintenance.



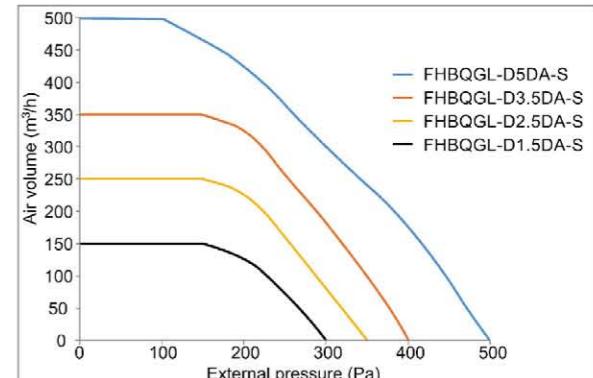
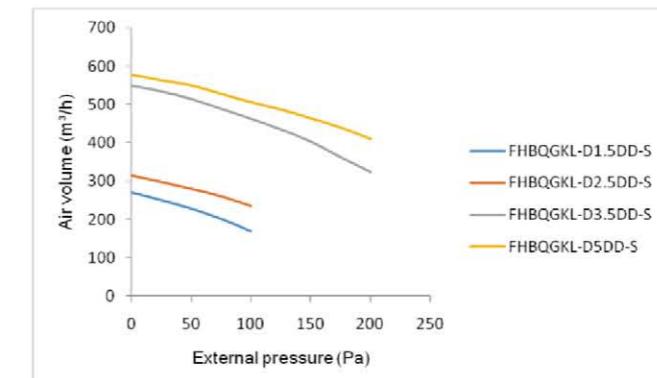
Multi-step Air Volume Control

The unit has five-step air speed for adjustment to meet the fresh air requirements of different houses and different piping sizes.



Constant Air Volume Control Technology*

The unit adopts brushless DC motor stepless speed regulation and constant air volume control technology. Within a certain range of external static pressure, the unit judges through independent operation to keep the fresh air volume output constant.



*Note: This feature is only fit for DA series.

Efficient Filtration*

» There are 2 layers of filters at the front of the core—【Pre-filter+HEPA(grade H13 filter material)】2-in-1 filter, which can effectively filter the outdoor air and filter efficiency is up to 99%.



*Note: This feature is only fit for DD series.

» The user can install the efficient reinforced filter 【Activated carbon filter+efficient filter】at fresh air outlet side. One pass purification efficiency for PM2.5 is up to 99.9%.



Multiple Control Methods

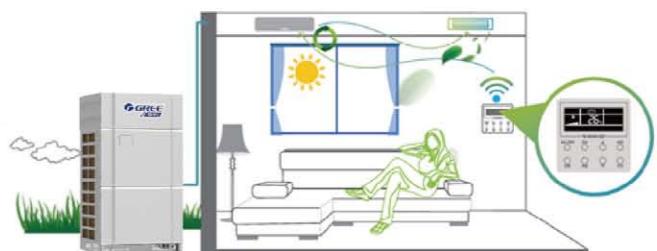
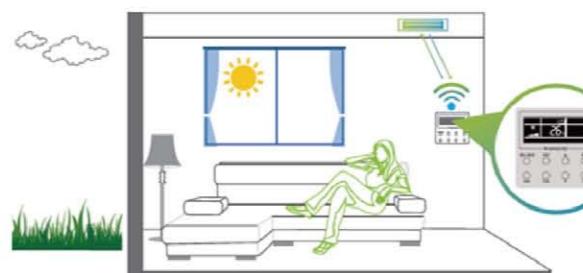
The unit can realize linkage control with multi VRF indoor unit (Connection with the multi VRF system is required).

» Manual Control

By using the standard wired controller, users can manually control the start and stop of the fresh air unit.

» Linkage Control

After connecting the fresh air unit to Gree multi VRF indoor unit through communication wire, set the wired controller of fresh air unit to linkage control mode. When the multi VRF air conditioning system is turned on, the fresh air unit automatically turns on to purify the indoor air; when the multi VRF air conditioning system is turned off, the fresh air unit automatically turns off, worry-free and energy-saving.



Two-way Flow Heat Recovery

The unit brings outdoor fresh air into the room, and at the same time exhausts the indoor dirty air. The fresh air flow and the exhaust air flow conduct counter-flow heat exchange inside the total heat exchanger to efficiently recover the exhaust energy, reduce the fresh air load, and save energy.

DA Series

Model		FHBQGL-D1.5DA-S	FHBQGL-D2.5DA-S	FHBQGL-D3.5DA-S	FHBQGL-D5DA-S
Air flow volume	m³/h	150	250	350	500
ESP	Pa	100	100	100	100
Temperature exchange efficiency	%	78	75	65	75
Power supply	V/Ph/Hz	220-240 /1/ 50/60	220-240 /1/ 50/60	220-240 /1/ 50/60	220-240 /1/ 50/60
Power input	kW	0.05	0.1	0.15	0.3
Sound power level	dB	39	44	49	55
Dimension (W × D × H)	Outline	1160 × 700 × 220	1160 × 700 × 220	1200 × 785 × 240	1385 × 785 × 240
	Package	1468 × 873 × 285	1468 × 873 × 285	1528 × 973 × 305	1711 × 973 × 305
Net weight/Gross weight	kg	50/58.5	50/58.5	60/70.5	71.5/82.5
Loading quantity	20' GP/40' GP/40' HQ	unit	82/172/195	82/172/195	57/121/140
					54/117/131

Note: The above products don't have EUROVENT certification and can't be sold to the EU markets.

Model		FHBQGL-D1.5DA-T	FHBQGL-D2.5DA-T	FHBQGL-D3.5DA-T	FHBQGL-D5DA-T
Air flow volume	m³/h	150	250	350	500
ESP	Pa	100	100	100	100
Temperature exchange efficiency	%	80	75	76	73
Power supply	V/Ph/Hz	208-230/1/60 220-240/1/50	208-230/1/60 220-240/1/50	208-230/1/60 220-240/1/50	208-230/1/60 220-240/1/50
Power input	kW	0.050	0.105	0.155	0.250
Sound power level	dB	43	50	55	57
Dimension (W × D × H)	Outline	1160 × 700 × 220	1160 × 700 × 220	1200 × 785 × 240	1385 × 785 × 240
	Package	1468 × 873 × 285	1468 × 873 × 285	1528 × 973 × 305	1711 × 973 × 305
Net weight/Gross weight	kg	50/58.5	50/58.5	60/70.5	71.5/82.5
Loading quantity	40' GP/40' HQ	unit	172/195	172/195	121/140
SEC class	-	A	B	-	-

DD Series

Model		FHBQGKL-D1.5DD-S	FHBQGKL-D2.5DD-S	FHBQGKL-D3.5DD-S	FHBQGKL-D5DD-S
Air flow volume	m³/h	150	250	350	500
ESP	Pa	100	100	100	100
Enthalpy exchange efficiency	Heating	%	71	62	60
	Cooling	%	55	55	55
Power supply	V/Ph/Hz	220-240 /1/ 50/60	220-240 /1/ 50/60	220-240 /1/ 50/60	220-240 /1/ 50/60
Power input	kW	0.095	0.135	0.180	0.360
Sound pressure level	dB(A)	33	37	38	44
Dimension (W × D × H)	Outline	660 × 850 × 220	660 × 850 × 220	900 × 920 × 240	900 × 920 × 240
	Package	1045 × 893 × 285	1045 × 893 × 285	1045 × 893 × 285	1045 × 893 × 285
Net weight/Gross weight	kg	34/41	34/41	48/59	48/59
Loading quantity	20' GP/40' GP/40' HQ	unit	96/208/234	96/208/234	72/160/180

Note: The above products can only be sold to the areas without certification requirements.



VRF Accessories

Fresh Air Intake Kit

- It can effectively bring in 8%~10% fresh outdoor air.
- All-foam design, light and durable, used with 360° air discharge cassette type indoor unit, simple and convenient to install; double air inlets, using pressure difference principle, can automatically introduce fresh air without a motor, improving indoor unit air quality.



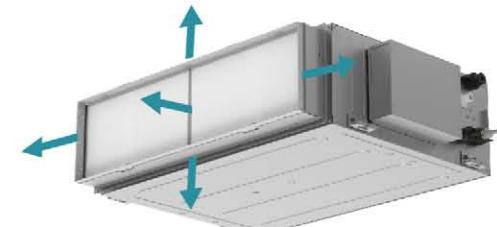
Model		XF150A-T	
Fresh air intake volume	%	10	
Dimension (W × D × H)	Outline	mm	834 × 834 × 60
	Package	mm	873 × 873 × 180
Dimension of the connection		mm	150
		Pcs	2
Net weight/Gross weight	kg	kg	2.7/7.7

Note: This unit should be used with 360° Air Discharge Cassette Indoor Unit.

High-efficiency Filter

- The high-efficiency filter can effectively remove PM2.5. One pass purification efficiency ≥90%
- Small air resistance and less volume attenuation.
- With 5 disassembly directions for convenient replacement and installation.

Filter model	Applicable for the following high static pressure duct type IDU
FKH01A(H)-T	GMV-ND22 ~ 50PHS/B-T GMV-ND22 ~ 50PHS/D-T
FKH02A(H)-T	GMV-ND56 ~ 80PHS/B-T GMV-ND56 ~ 80PHS/D-T
FKH03A(H)-T	GMV-ND90 ~ 180PHS/B-T GMV-ND90 ~ 180PHS/D-T





Controller Function Lineup

Function	Classic wired controller		Large matrix wired controller XE70-33/H	Remote controller		Remote Signal Receiving Panel JS13	Linkage Controller LE60-24/H1
	XE7A-24/H	XE7A-24/HC		YAP1F	YAP1F7		
Dimensions (mm)	112×112	112×112	112×112	/	/	86×86	95×63
Display	Positive segment LCD	Positive segment LCD	Matrix LCD	Positive segment LCD	Positive segment LCD	LED	LED
Backlight	√	√	√	×	×	/	/
One controller for multiple units / group control (One controller controls 16 IDUs at most)	√	√	√	×	×	√	√
One unit with not only one controller / subsidiary controller (one IDU can be controlled by two wired controllers)	√	√	√	×	×	√ (It can operate with the master wired controller as an auxiliary device)	√ (It can operate with the master wired controller as an auxiliary device)
Mode	√ (auto, cooling, drying, fan only, heating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, heating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, heating, floor heating, 3D heating, space heating)	√ (auto, cooling, drying, fan only, heating)	√ (auto, cooling, drying, fan only, heating)	×	×
Fan speed	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	√ (7 speeds: auto, low, medium-low, medium, medium-high, high, turbo)	×	×
Clock display and setting	√	√	√	√	√	×	×
Countdown timer	√	√	√	×	×	×	×
Clock timer	√	√	√	√	√	×	×
Weekly timer	×	×	√	×	×	×	×
Child lock (buttons lock)	√	√	√	√	√	×	×
Up&Down swing	√	√	√	√	√	×	×
Left&Right swing	√	√	√	√	√	×	×
Sleep	√	√	√	√	√	×	×
Filter cleaning indication	√	√	√	×	√	×	×
Save	√	√	√	×	√	×	×
X-Fan	√	√	√	√	√	×	×
Quiet	√	√	√	×	√	×	×
Absence (8°C heating)	√	√	√	√	√	×	×
Low-temperature drying	√	√	√	×	√	×	×
Access detection	×	×	×	×	×	×	√
Unit parameters query	√	√	√	×	×	×	×
Unit parameters setting	√	√	√	×	×	×	×
Error display	√	√	√	×	√	√	×
Remote signal	√	√	√	×	√	√	√
Power-off recovery (default to be effective for overseas models and ineffective for domestic models)	√	√	√	×	×	√	√
Indoor temperature query	√	√	√	×	×	×	×
I-Feel	×	×	/	√	√	×	×
Set back	√	√	×	×	×	×	×
Independent swing for cassette units	×	×	√	×	×	×	×
APP control	×	√	×	×	×	×	×
Temperature control with a precision of 0.5°C	√	√	×	×	×	×	×

Note: √ means available; × means not available; / means not applicable

Controller Function Lineup

Function	Centralized controller CE52-24/F(C)	E-Smart zone controller CE54-24/F(C)
Maximum number of controllable indoor units	255	32
Maximum number of controllable systems	16	16
Screen size	7 inch	4.3 inch
Screen resolution	1280 × 800	480 × 272
Touch mode	Capacitor touch	Capacitor touch
Power supply	100-240V AC	100-240V AC
Dimensions (WxHxD) (mm)	185 × 128 × 11	128 × 86 × 11
On/Off setting	✓	✓
Mode setting	✓	✓
Temperature setting	✓	✓
Fan speed setting	7 fan speeds	7 fan speeds
Swing setting	✓	✓
Shield setting	✓	✓
Ambient temperature display	✓	✓
°C/°F display	✓	✓
DST	✓	✗
Clock display	✓	✓
Authority management	✓	✓
Group management	✓	✓
Schedule management	✓	✓
Special schedule	✓	✗
Emergency stop	✓	✗
Parameter query	✓	✓
Engineering setting	✓	✓
Error records	✓	✓
IDU sort	✓	✗
Name and icon setting	✓	✓
Run time	✓	✗
Data export	Support TF card export	✗
Language	<ul style="list-style-type: none"> • English • Simplified Chinese • Traditional Chinese • Spanish • French • Portuguese 	<ul style="list-style-type: none"> • German • Turkish • Russian • Italian • Dutch
Applicable units	Air conditioner Water heating units Floor heating units Fresh air units	Air conditioner

Note: ✓ means available; ✗ means not available; / means not applicable

Controllers

Controller YAP1F

- Can be switched in auto, cooling, dry, fan and heating modes;
- Besides turbo mode, 6 fan speeds can be set;
- Up & down swing and left & right swing;
- Available functions: child lock, drying, health, turbo, sleep, light, absence, I-feel and timer;
- Clock display and indoor/outdoor ambient temperature viewing functions;
- I-feel function can be set for the unit. When I-feel is turned on, the unit can monitor the temperature at the location of user (around the remote controller) at real time to adjust indoor temperature for improving the comfort.



Remote controller YAP1F7

- Switch among auto, cooling, dry, fan and heating modes;
- Except turbo fan, six fan speeds can be adjusted;
- Set up&down swing and left&right swing;
- With child lock, X-fan, health, turbo, sleep, light, absence, I-FEEL, clock timer and auto clean functions;
- With clock time display and indoor/outdoor ambient temperature check functions;
- Set temperature is adjustable under auto mode (set temperature under auto mode of multi VRF unit is fixed and can't be adjusted by the remote controller)



Note: Auto clean function is available for some models.

Wired Controllers XE7A-24/H and XE7A-24/HC

- Large screen, moisture-proof flat base structure, simple design for flexible installation;
- With LCD backlight display and touch buttons;
- Clock can be displayed and set, with 24h timer ON/OFF function (countdown and clock timer);
- 7 fan speeds, up & down swing and left & right swing;
- Working modes include auto, cooling dry, fan, heating floor Heating, 3D heating and space heating;
- Functions include sleep, quiet/auto quiet, energy-saving, x-fan, low-temperature dehumidifying absence in heating, filter cleaning reminder, auto cleaning, etc;
- Engineering parameters can be viewed and set;
- Hidden infrared remote control receiving device works with the infrared remote controller;
- Set temperature precision down to 0.5°C;
- Up to 2 wired controllers for 16 units, which is more flexible for use; a maximum of 16 indoor units can be controlled simultaneously via one master controller and one slave controller;
- WiFi function and APP remote control: after networking, user can control units remotely through an APP in a smart phone. (This function is available only in XE7A-24/HC.)



Wired Controller XE70-33/H

- Elegant and concise appearance;
- Touch buttons with back lighting LCD;
- Detect ambient temperature precisely;
- Chinese and English display can be switched;
- With project parameters viewing and setting functions;
- 7 fan speeds, up & down swing and left & right swing;
- Applicable to multi VRF air conditioner and fresh air unit with evaporator;
- With service hotline inquiry and after-sales phone number record functions;
- With weekly timer function, multiple weekly timer can be set; under weekly timer function, mode, temperature and fan speed can be preset;
- Master and slave wired controllers can be set; simultaneous control over several IDUs is available; can simultaneously control 16 sets of IDUs at most;
- Sleep, quiet/auto quiet, light, energy saving, drying, memory, low-temperature dehumidifying, absence in heating, and filter cleaning reminder functions can be set.



Controllers

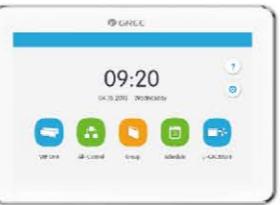
Commissioning Tool CE42-24/F(C) (Debugger)

- Built-in 4GB storage space;
- 4.3-inch color touch screen LCD;
- Simulate indoor and outdoor unit;
- With complete unit debugging function;
- With indoor unit control and engineering setting function;
- Outdoor unit program upgrade, indoor unit program upgrade;
- Communication data can be saved and exported by connecting to PC;
- With system status viewing, outdoor unit status viewing, indoor unit status viewing function;
- The single interface is compatible with CAN and RS485 communication, which can automatically identify the communication type.



Centralized Controller CE52-24/F(C)

- Elegant and fashionable appearance;
- Color LCD, fine display and true color;
- 7-inch capacitive touch screen for easy operation;
- Up to 255 units can be centrally controlled;
- Connectable with network of indoor units or outdoor units;
- Independent power supply in 100~240V wide voltage range;
- Embedded installation in wall with projecting thickness only of 11mm;
- With project setting, parameter viewing, malfunction record and access management functions;
- Shielding function of single unit, group and all IDUs (shielding on/off, mode, temp setting, etc.), long-distance control at will; Provide naming of indoor units, selection of icons and personalized settings of centralized controller (setting background, backlight, etc.);
- With various functions: centralized control (control all indoor units), group management (support DIY grouping), schedule management (setting of several schedules, support special schedule setting such as holiday) and single indoor unit control (on/off, mode, temp setting, fan speed, quiet, swing control, etc.).



E-Smart Zone Controller CE54-24/F(C)

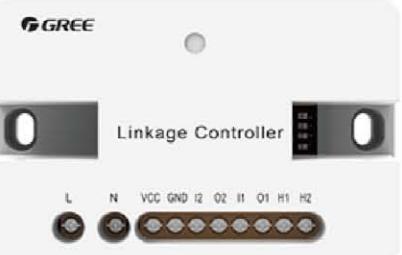
- Colorful LCD;
- Elegant and fashionable appearance;
- 4.3-inch capacitive touch screen for easy operation;
- Support maximum 32 indoor units, with powerful function;
- Indoor or outdoor unit network can be connected, simple and flexible;
- Embedded installation in wall with projecting thickness only of 11mm;
- 100~240V super wide voltage for independent power supply, stable and reliable;
- Support naming for indoor units, and icon selection, realizing individual management;
- With long-distance shield function (shield on/off, mode, temperature, etc.) for single unit, group and all indoor units;
- With functions of engineering setting, parameters view, malfunction view and authority management, easy for debugging and maintenance;
- With single indoor unit control (including general functions and advanced functions), group indoor units control (including general functions and advanced functions), group management (supporting DIY group), single indoor unit and group indoor units timer functions; (general functions: ON/OFF, Mode, Temperature, Fan, Swing, etc; advanced functions: Save, Sleep, Absence, Quiet, Turbo, etc.).



Linkage Controller LE60-24/H1

The linkage controller LC60-24/H1 is generally used with wired controllers to control AC units; when needed, it can also be individually connected to control the units. It has the following features:

- Flexibility to be installed in most places indoors, with no impact on indoor decoration;
- Access control detection, with two types of power input: AC 100-240V~50/60Hz or DC 5-24V;
- Dry contact signal detection, with two groups of dry contacts, which can be used to switch on/off indoor units via passive signals such as fire alarm and the opening and closing of windows;
- Up to 2 controllers for 16 units, which is more flexible for use; a maximum of 16 indoor units can be controlled simultaneously via one master controller and one slave controller.



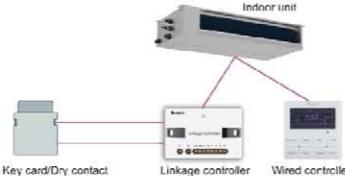
Remote Signal Receiving Panel JS13

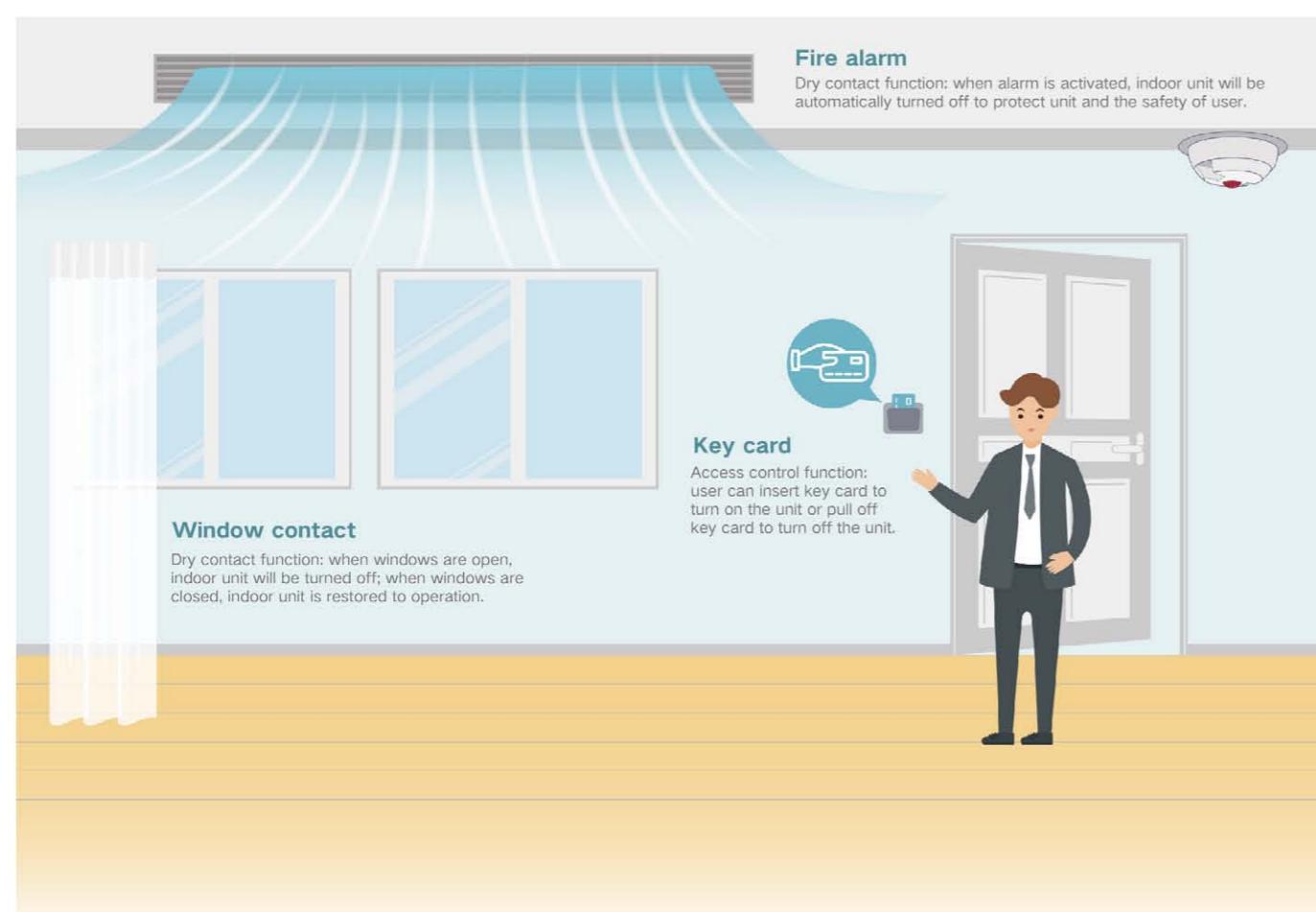
- Receive common remote controller functions;
- Simple appearance and integrated design;
- Precise set temperature control with the precision down to 0.5°C (remote controllers with a temperature control precision of 0.5°C are required);
- Up to 2 controllers for 16 units, which is more flexible for use; a maximum of 16 indoor units can be controlled simultaneously via one master controller and one slave controller;
- Hidden infrared remote control receiving device works with the infrared remote controller.



Key Card Interface Modules

Indoor unit connects access control system through linkage controller LE60-24/H1 to realize unit off by removing the access card or unit on by inserting the access card, which is suitable for occasions such as hotels, where the access control linkage is needed to control the air conditioner. Moreover, linkage controller LE60-24/H1 provides two groups of dry contacts, which can be used to switch on/off indoor units via signals such as fire alarm and window closing/opening.

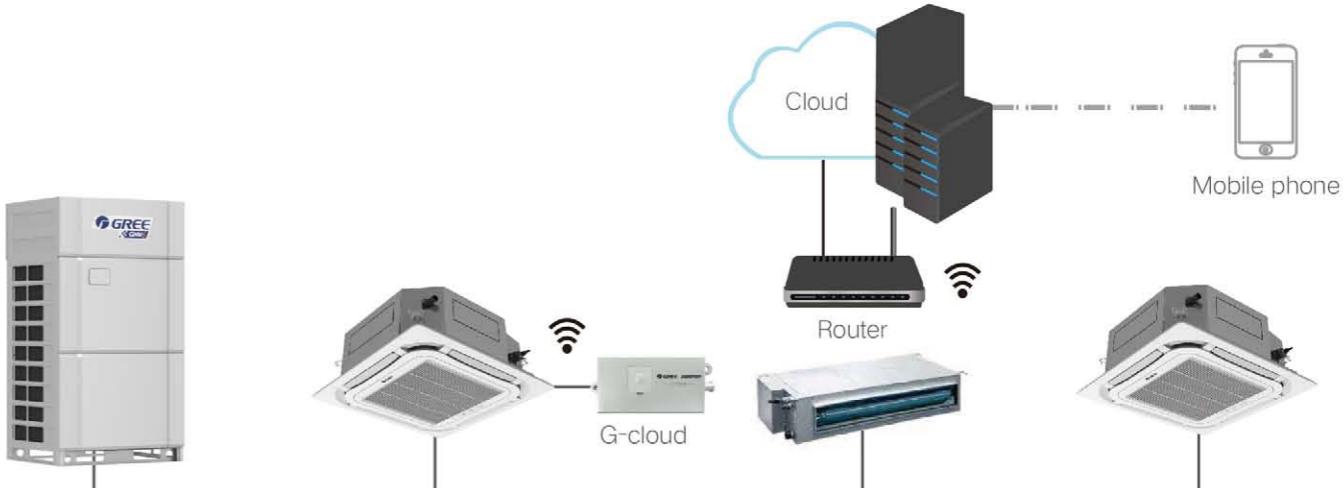
Model	Linkage Controller LE60-24/H1
Appearance	
Wiring diagram	 Note: It's used with different models of wired controller or independently connects indoor unit for operation.
Access control interface	AC100-240V/DC5-24V
Dry contact interface	2 groups
Dimensions(H × W × D)(mm)	63 × 94.5 × 29
Power supply	18V DC(supply power by indoor unit)
Applicable range	All series of VRF



G-cloud

G-cloud is a compact WiFi controller, which connects G-cloud to the corresponding interface of any one of the multi VRF indoor units. Use mobile phone to download the "Gree+" APP; after simple network configuration, the multi VRF air conditioner can be easily controlled by the mobile phone anytime and anywhere. One set of multi VRF system only requires one G-cloud to realize the control of all indoor units under the system via mobile phone.

- Easy control of on-off, mode and temperature.
- Ventilation, drying, sleep, energy saving functions can be set.
- 10 on/off preset appointments are available, support weekly timer function.
- 8-step fan speed control (quiet, automatic, low, medium and low, medium, medium and high, high, turbo).



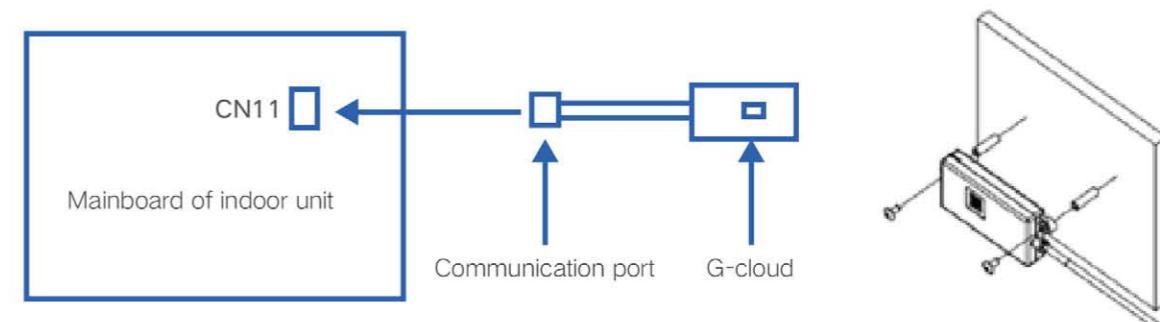
One G-cloud can realize the control of up to 80 sets of indoor units in a system

> "Gree +" APP Control

The "Gree +" APP of mobile phone can easily control the air conditioner anytime and anywhere. It can be controlled in the house or remotely when going out. You are no longer worried about where to find the remote controller or forgetting to turn off the air conditioner when you go out.

> Small Size and Convenient Installation

G-cloud is small in size and flexible in installation. You can connect the G-cloud to the CAN interface of any indoor unit in the multi VRF system (it is recommended to be close to the router) and fix it.



VRF Selector Ultimate

A model selection system is a necessary tool for the sales of the VRF system in the overseas market. In order to meet the demand of the overseas market for the model selection system, the competitive strength of Gree products in the overseas market has been improved. Gree provides clients with intelligent, fast and multivariate model selection systems.

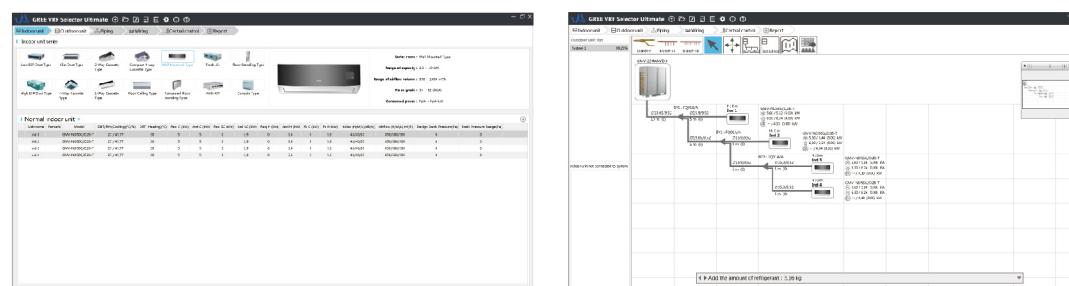
Intelligent Model Selection

- 1) The system will take multiple aspects into consideration to provide clients with the optimal plan by combining performance, noise, comfort, reliability, cost, etc.
- 2) It can calculate according to user demand, ambient temperature, using location, static pressure, etc. to recommend the suitable IDU, ODU and pipe arrangement. It will check by combining the collocation rate, pipe arrangement, etc. of the whole system, and automatically adjust the unit model to get the optimal model selection plan.
- 3) Using habit and using standard differ in different regions. The intelligent model selection system will conduct a special process according to metric/inch system, unit parameters, different language systems in different regions.
- 4) It will conduct automatic checking for the whole system. If anyone of the conditions cannot satisfy the user demand, the software will automatically calculate to find a suitable unit and pipe arrangement.



Fast Model Selection

The software can provide users with audio-visual model building experience via a visible modeling method. Through the intelligent fast connection, multiple parts of VRF can be correctly and fast linked, which can greatly improve the modeling efficiency.



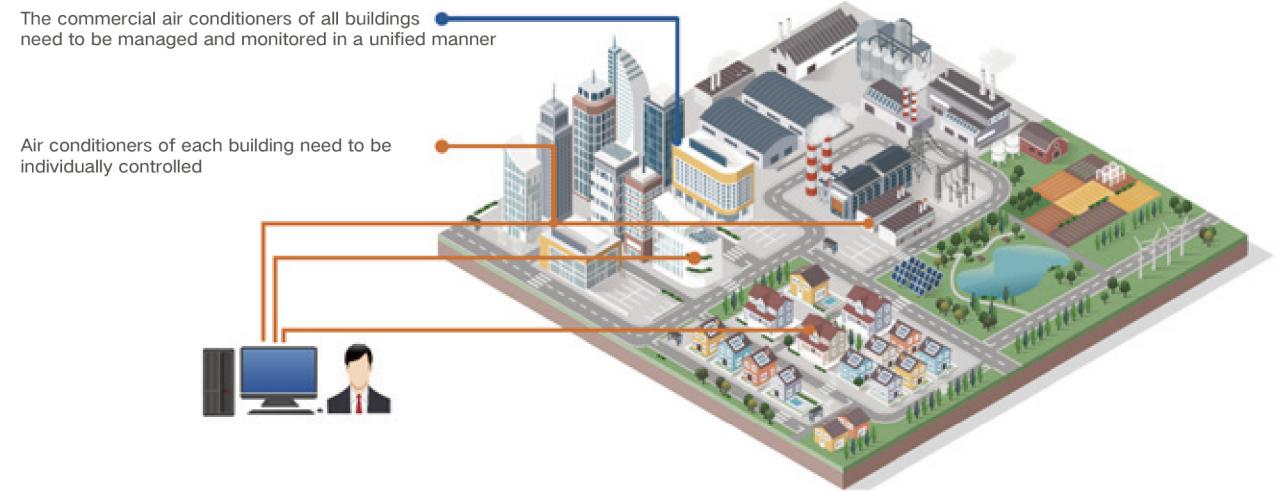
Multivariate Model Selection

The model selection system will launch multiple model selection terminal applications around the core of model selection parameter data according to different user groups. The model selection data can achieve data resource sharing on the basis of a cloud server, which can provide different terminal users with standard and professional model selection service.

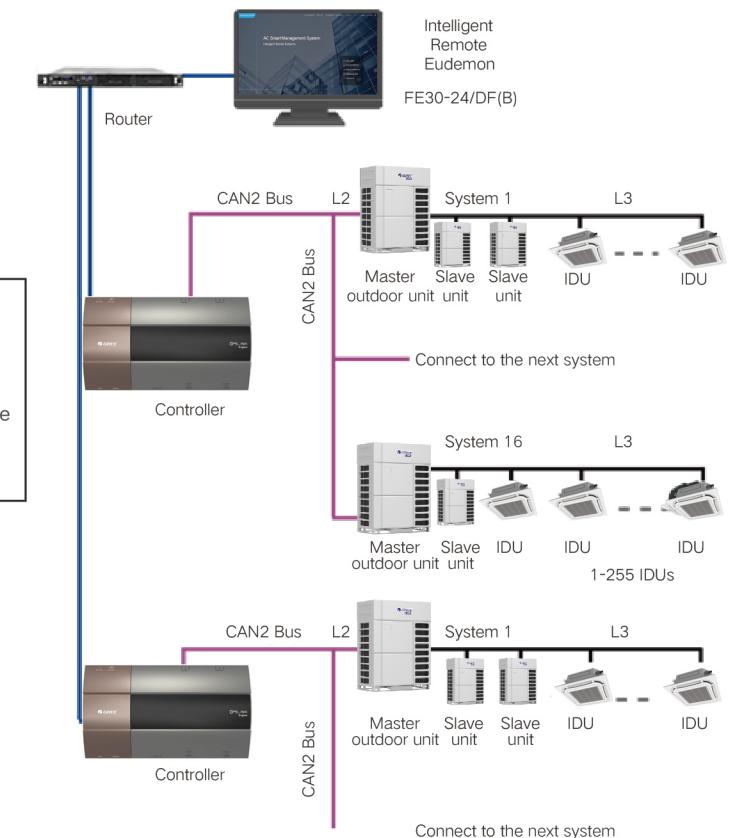


Intelligent Remote Eudemon

Intelligent Remote Eudemon provides intelligent operation and maintenance services based on the cloud platform, meeting the demands of integrated monitoring of equipment in multiple locations.



Intelligent Remote Eudemon adopts world-leading CAN+ multi VRF unit's communication technology and combines with distributed processing methods to ensure that the system has the characteristics of high availability, easy expansion, and easy networking, and can meet the air conditioning monitoring requirements in multiple scenes.



Notes:
(1) One controller can connect 16 systems or 255 sets of indoor units;
(2) The communication bus between the unit systems is CAN2 bus.

Intelligent Assistant

One-stop Debugging

Support automatic one-stop debugging methods such as one-button debugging and code scanning debugging to achieve automatic synchronization matching, reduce debugging difficulty, and improve efficiency and accuracy.



Unit

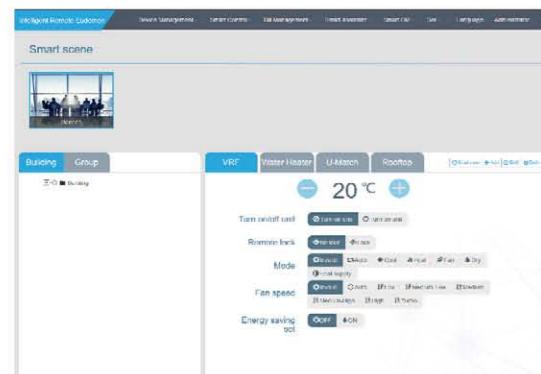


Controller

Intelligent Control

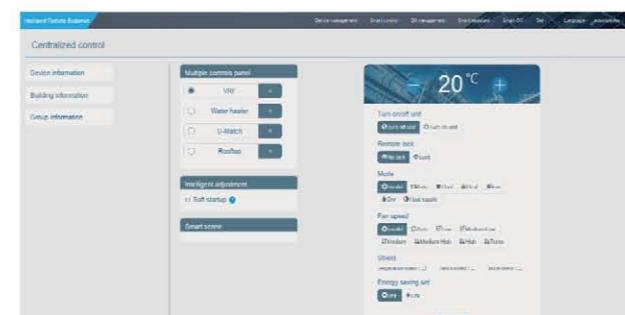
Smart Scenes

The user can preset a set of parameters according to the needs of life and work (similar to the scene mode of a mobile phone), and then the user can enable and switch with one key, without setting parameters one by one.



Soft Start

Delay start of equipment in batches to avoid the impact to the grid in centralized control.



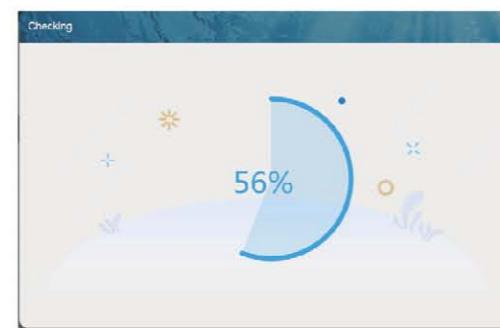
Temperature Field

Realize stepped temperature field, gradually adjust the temperature area, prevent sudden cooling or heating, and stay away from air conditioning sickness.



Intelligent Physical Examination

The equipment status can be understood directly and the user can control the health of the unit by themselves.



Smart Operation and Maintenance

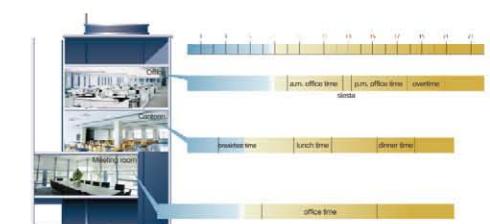
VIP Exclusive Service

Independent VIP group professional customized service to avoid misoperation and provide a more comfortable environment for the VIP.



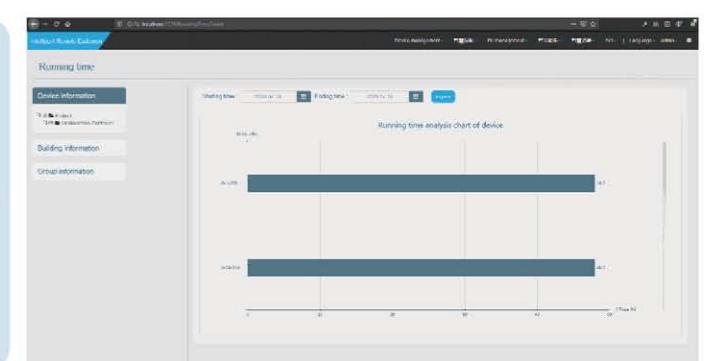
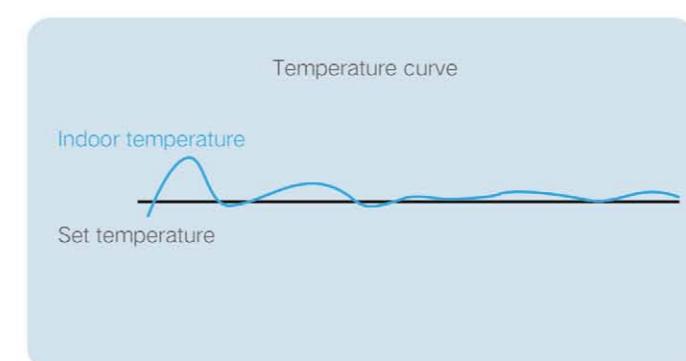
Schedule Management

Set schedules for different regions and different equipment, execute preset commands automatically, and reduce waste of time caused by repeated operations.



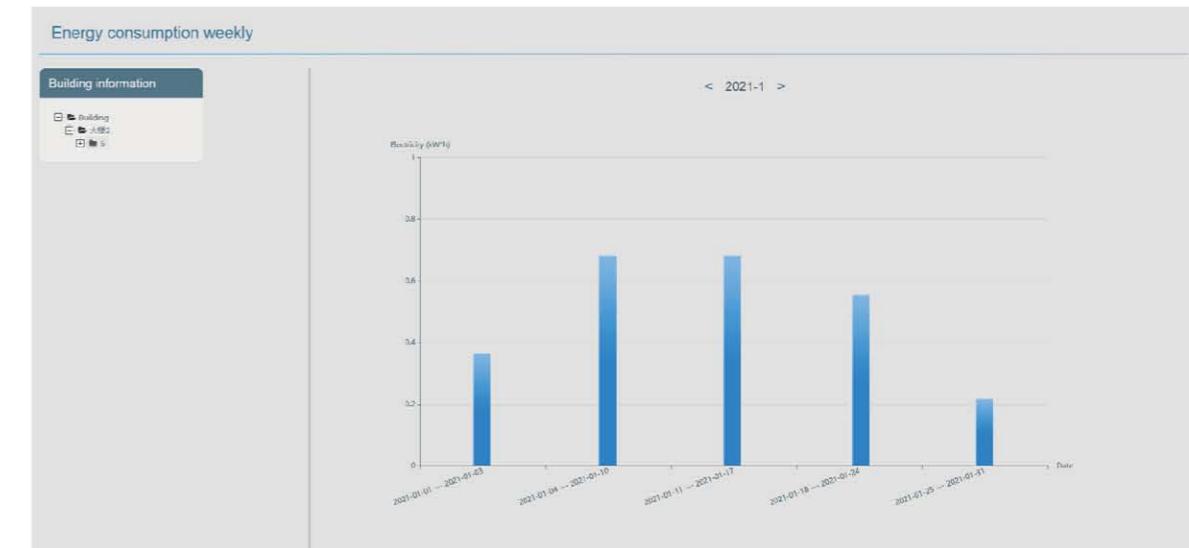
Green Assistant

Perform statistical analysis on the operating time, set temperature, and indoor temperature, and acquire the actual running status of the equipment in time.



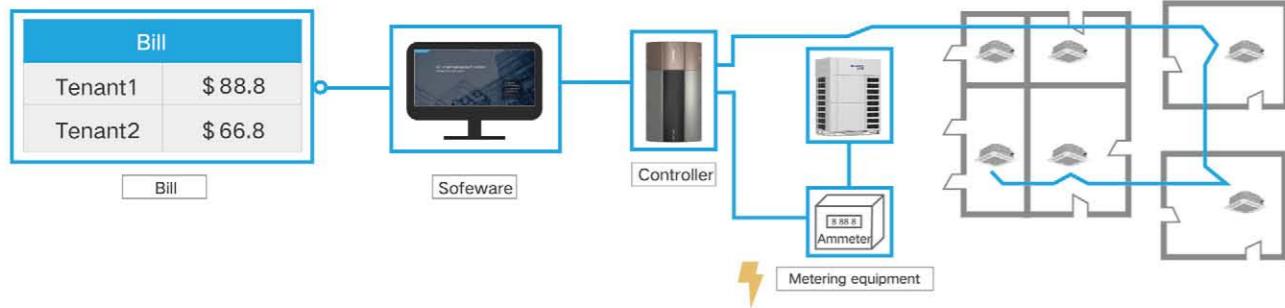
Weekly Energy Consumption Report

Electricity statistics are carried out on a weekly and monthly basis. The background color is used to reflect the electricity consumption, and the user can accurately control the power consumption of the unit.



Intelligent Billing

Intelligent Billing is a solution to power consumption calculation and billing specialized for VRF units. This system adopts Gree's unique calculation method that makes the billing more reasonable. In design, it's tailored to the features of engineering construction, making the installation less difficult. It can be widely applied in shopping centers, apartment blocks, villa clusters or other commercial or residential occasions in different sizes and for different purposes.



Billing Management

Properly distribute the electricity automatically according to ON/OFF time, mode, set temperature, indoor ambient temperature, outdoor ambient temperature etc.; provide detailed bill, operational details, etc.

Flexible Bill Export

Provide a variety of bill export modes to achieve free choices and convenient management of bill cycle, distribution mode and bill type.

Bill for Air Conditioner				
Room	601			
Time	2016/08/01-2016/08/31			
No.	Equipment	Operation/KWH	Standby/KWH	Subtotal
1	IDU 1	12.5	0.55	13.05
2	IDU 2	11.6	0.21	11.81
3	IDU 3	13.2	0.36	13.56
Total				38.42

Compatible to Different Electric Meters

No.	Manufacturer	Electric Meter Model	Country of Origin	Satisfactory Regions (Reference)
1	ENTES	EPR-04S-96	Turkey	Turkey, Middle East
2	WattNode	WNC-3D-240-MB	America	North America, Latin America
3	Siemens	PAC3200	Germany	Russia, Europe, Asia Pacific
4	Schneider	iEM3255	France	Australia, Europe
5	Wasion	DTS343	China	China

Building Protocol Gateway

Modbus Gateway

Name	Model	Key Parameters	Application	Photo
VRF Protocol Gateway	ME30-24/D1(BM)	Capacity: 255 sets of indoor unit (within 16 systems) Protocol: Modbus RTU, Modbus TCP	It is generally used in large buildings such as office buildings, commercial streets, hospitals, and rail transits to connect to BAS to achieve centralized management of air conditioner.	
Modbus Gateway (Mini)	ME30-24/E6(M)	Capacity: 128 sets of indoor units (within 16 systems) Expansion port: No Protocol: Modbus RTU	It is generally used for small and medium-sized projects such as villas and apartment buildings. It is used for docking with BAS systems or smart home systems. Since there is no I/O interface, the capacity is small, and it is a low-cost solution.	
H2M Gateway	ME31-33/EH1(M)	Capacity: 1-16 sets of indoor units Expansion port: No Protocol: Modbus RTU	Generally, it is an intelligent solution for hotel and household environment. The indoor unit directly connects to the controller of the hotel room RCU or the residential smart home system.	

BACnet Gateway

BACnet features high communication efficiency, flexible protocol and convenient debugging. Gree BACnet gateway can realize the conversion of multi VRF unit's CAN protocol data into BACnet protocol data, as a bridge for data exchange between air conditioner and BAS.

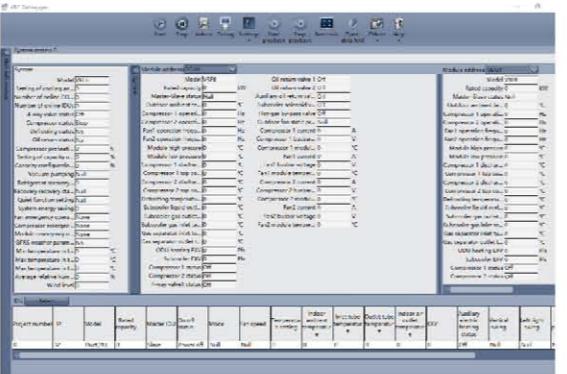
Name	Model	Key Parameters	Application	Photo
VRF Protocol Gateway	ME30-24/D1(BM)	Capacity: 255 sets of indoor unit Protocol: BACnet	Mainly used in the docking of medium and large building automatic control projects.	

Intelligent Debugging Software

GMV6 offers intelligent debugging software to end users for faster construction needs.

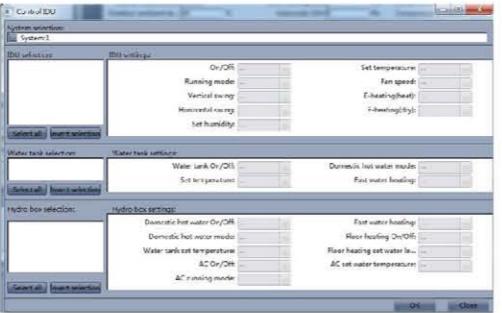
Monitoring Functions

- Fully control the operation status of each device of the system;
- Hover the mouse over the parameter to display its remarks.
- The online devices will be displayed in a tree structure;
- Display the information of air conditioner in divided regions;
- Each display region can be moved or concealed;
- Display updated status of units in real time.



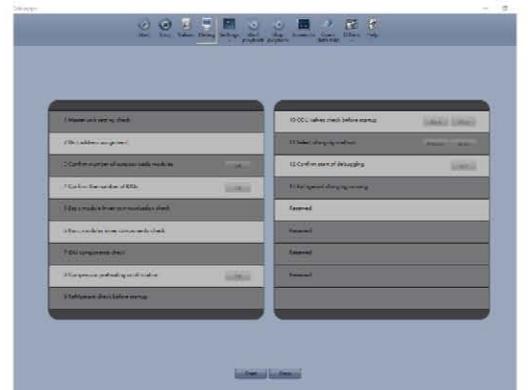
Control Functions

- Control the operation of unit as you like;
- Comprehensive control of outdoor unit, indoor unit, water tank, hydro box, etc.;
- Real-time display of current status or status after being controlled;
- Both single control and group control are available.



Project Debugging Functions

- One-click and automatic project debugging;
- Project debugging is arranged step by step from left to right;
- Manual intervention and skipping of some debugging phases are available.
- Green icons will be displayed for the items finishing debugging; red icons will be displayed for the items having debugging errors; light yellow icons display debugging information.



Auto Data-Saving Function

- Data will be saved automatically. Database saving path can be changed or data document can be generated repeatedly.



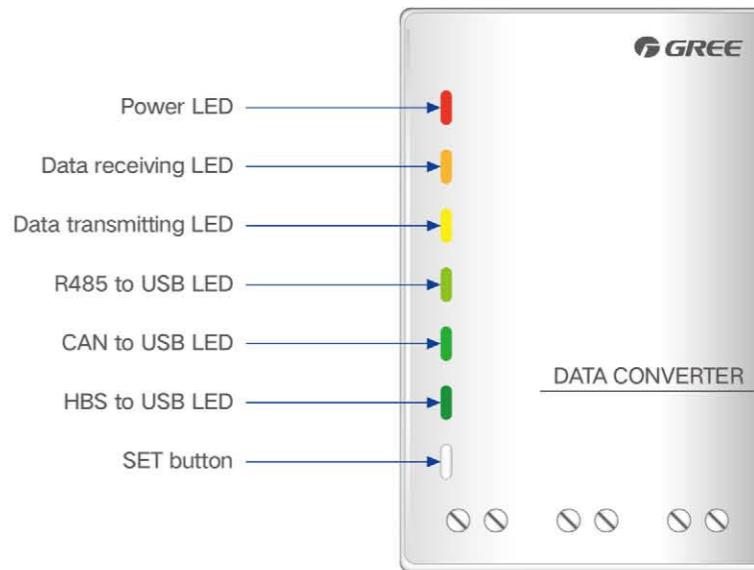
Step 1: Change Database Saving Path



Step 2: Database Save Setting

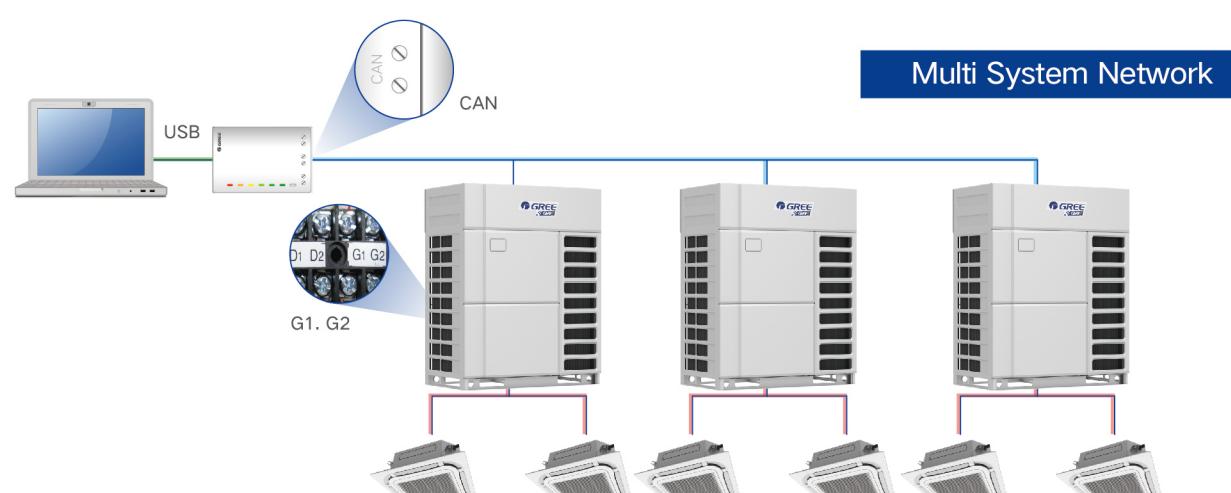
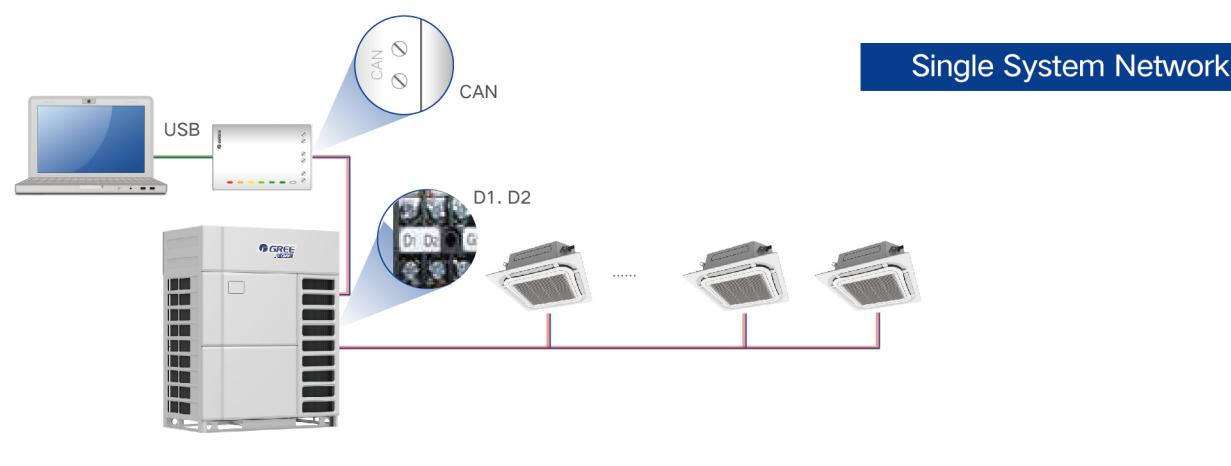
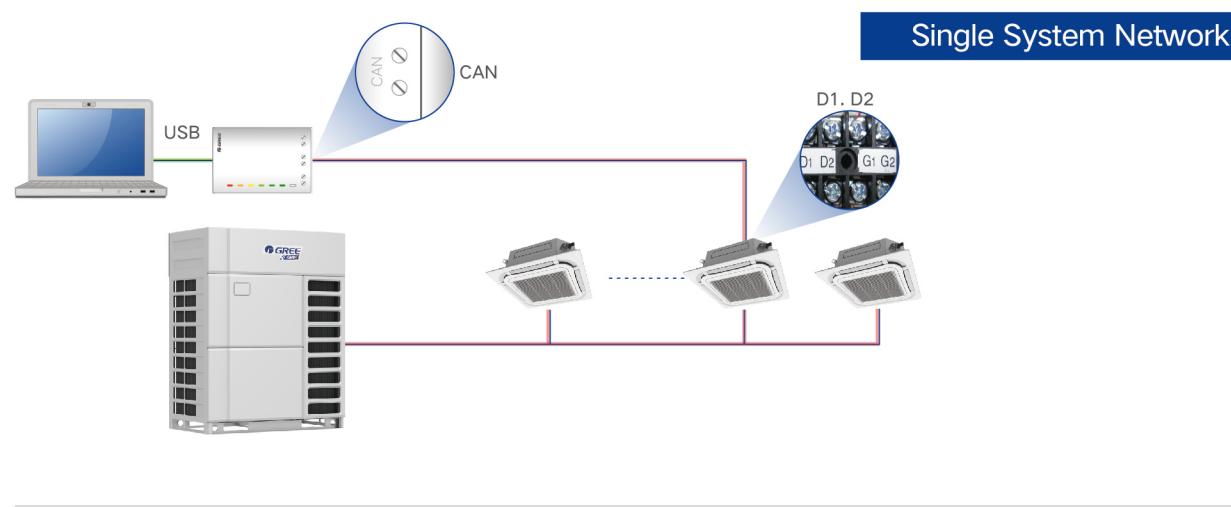
USB Data Converter

- Users can use USB data converter to freely convert CAN/HBS/RS485 data into USB data, achieving data interchange between computer and air conditioner.



Auto Direction of Connection Way

- The wiring diagram will direct connection way automatically, so that the user can get the connection way quickly.



Outdoor Unit Protective Kit Against Snowstorm and Hail

In order to improve the adaptability of the unit in different environments, and ensure normal operation under harsh weather conditions like high winds, snowstorm and hail, the unit can be equipped with the following protective kit, including the air guide assembly at the top and the condenser protective assembly. Models for selection are:



CF898

CF899

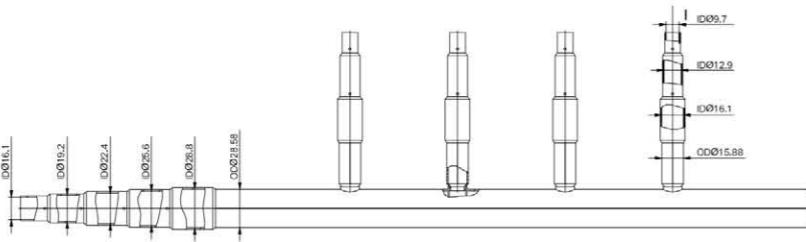
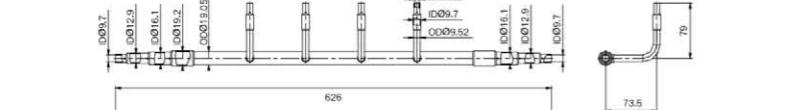
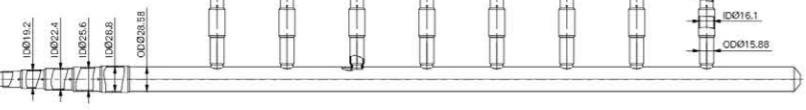
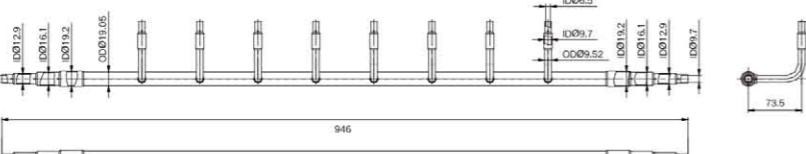
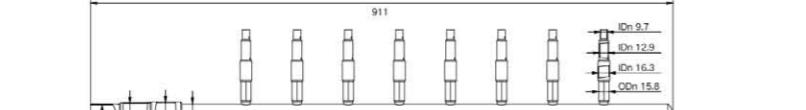
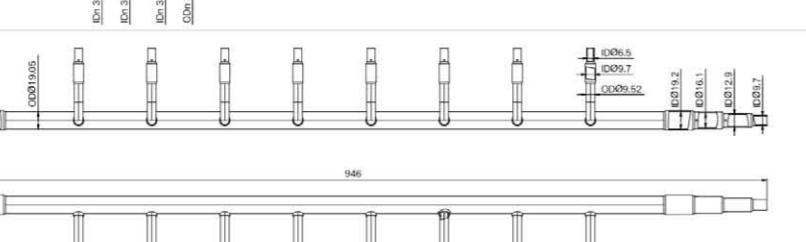
Model	CF898	CF899
Number of parts	4	5
Applicable model	GMV-224~335WM/** GMV-VQ224~335WM/**	GMV-400~680WM/** GMV-VQ400~615WM/**

Note: The protective kit will affect the unit's performance to some extent depending on the environment. The actual performance of the unit after installation may vary.

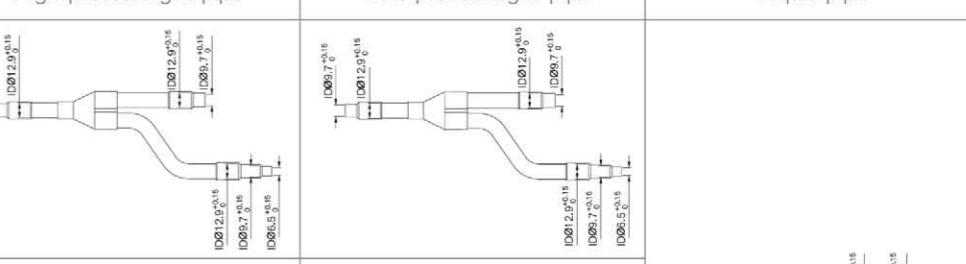
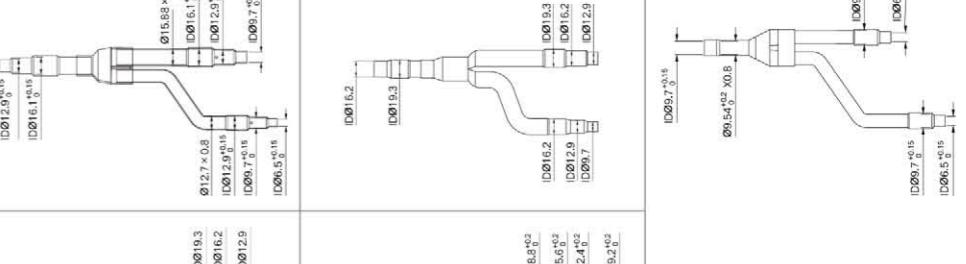
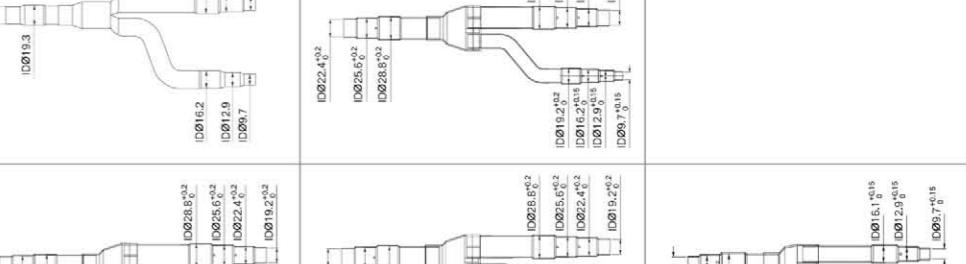
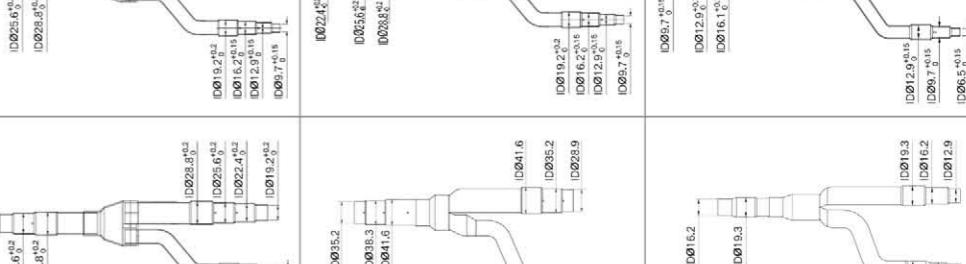
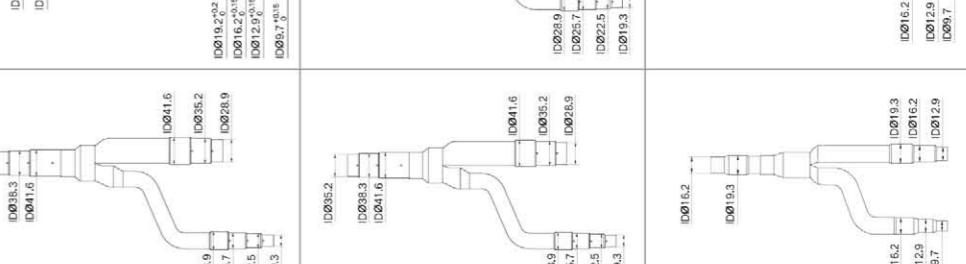
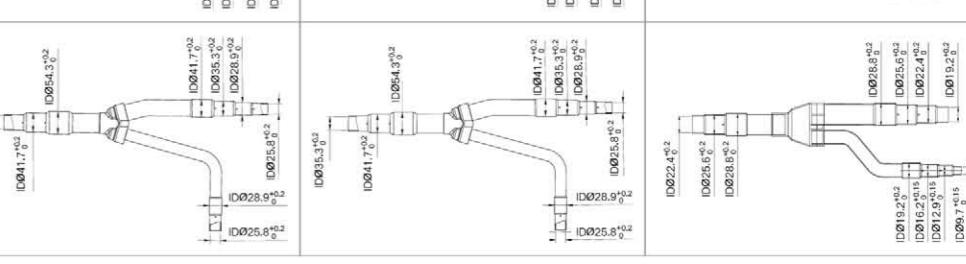
Branching Joint (For GMV6 and GMV X units)

Model	Appearance	
	Gas pipe	Liquid pipe
ML01/A		
ML02/A		

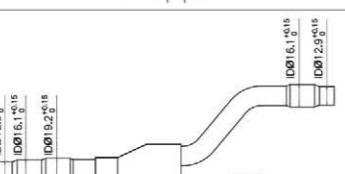
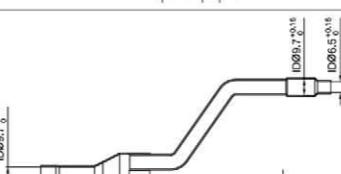
Branching Joint (For GMV6 HR units)

For Indoor Units		
Model	Sort	blueprint
FQ14/H1	Gas pipe	
	Liquid pipe	
FQ18/H1	Gas pipe	
	Liquid pipe	
FQ18/H2	Gas pipe	
	Liquid pipe	

Total rated capacity of downstream indoor units X(kW)	Gas pipe(mm)	Liquid pipe(mm)	Model of manifold pipe
X≤40.0	≤Φ25.4	≤Φ12.7	FQ14/H1
X≤68.0	≤Φ28.6	≤Φ15.9	FQ18/H1
68.0 < X	≥Φ31.8	≥Φ19.05	FQ18/H2

For Outdoor Units and Mode Exchanger		
Model	Total capacity of the downstream indoor units X(kW)	Appearance
FQ01Na/A	X≤5.0	
FQ02Na/A	5.0 < X ≤ 22.4	
FQ03Na/A	22.4 < X ≤ 28.0	
FQ04Na/A	28.0 < X ≤ 68	
FQ05Na/A	68 < X ≤ 96	
FQ06Na/A	96 < X ≤ 135	
FQ07Na/A	135.0 < X	

For Indoor & Mode Exchanger

Model	Total capacity of the downstream indoor units X(Kw)	Appearance	
		Gas pipe	Liquid pipe
FQ01A/A	X≤16	 <p>ID Ø12.9 ±0.16 OD Ø16.5 ±0.16 ID Ø19.2 ±0.16</p> <p>ID Ø16.1 ±0.16 ID Ø12.9 ±0.16 ID Ø9.7 ±0.16</p>	 <p>ID Ø25.7 ±0.16 OD Ø31.1 ±0.16 ID Ø9.7 ±0.16</p> <p>ID Ø6.5 ±0.16 ID Ø9.7 ±0.16 ID Ø6.5 ±0.16</p>
FQ01B/A	16<X≤28.0	 <p>ID Ø19.2 ±0.16 OD Ø25.2 ±0.16</p> <p>ID Ø19.2 ±0.16 ID Ø16.1 ±0.16 ID Ø16.1 ±0.16 ID Ø12.9 ±0.16</p>	 <p>ID Ø25.7 ±0.16 OD Ø31.1 ±0.16 ID Ø9.7 ±0.16</p> <p>ID Ø6.5 ±0.16 ID Ø9.7 ±0.16 ID Ø6.5 ±0.16</p>

For Outdoor Units

Model	Module's capacity X(kW)	Appearance		
		High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
ML01R	50.4≤X≤96			
ML02R	96<X			

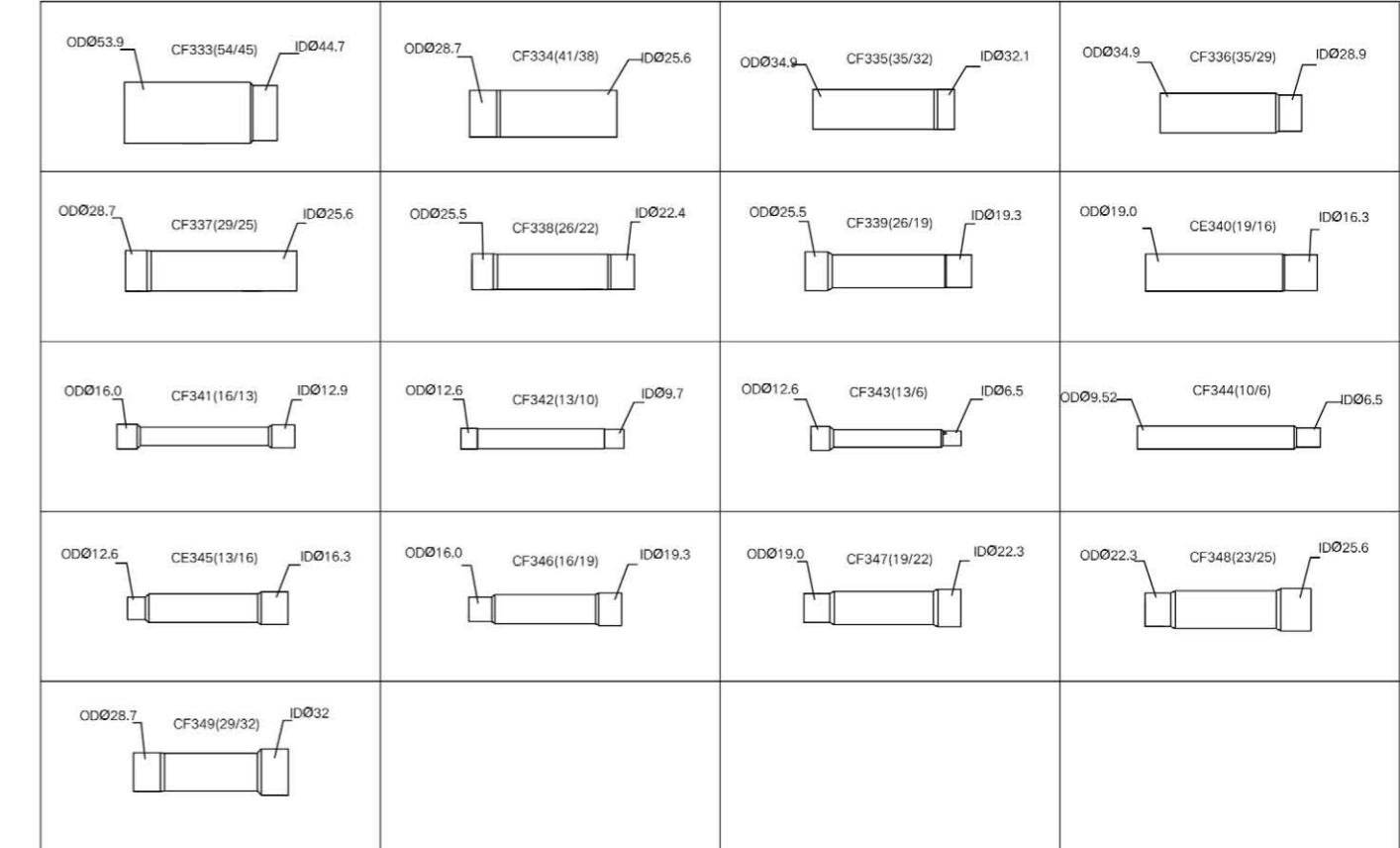
For GMV6 HR Mode Exchanger and Hydro Box

Model	Capacity of the hydro box X(kW)	Appearance	
		Gas pipe	Liquid pipe
FQ01B/A	X=30		

Branching Joint (For AHU KIT)

Branching Joint (For AHU KIT)	
Model	Appearance Liquid pipe
FQ02U/A	<p>Technical drawing of a branching joint for AHU KIT. The diagram shows a horizontal pipe with a vertical branch. Dimensions are labeled: ID Ø19.2 ±0.2, OD Ø22.5 ±0.2 for the main pipe; ID Ø19.2 ±0.2, OD Ø22.5 ±0.2 for the vertical branch; ID Ø16.1 1/2", ID Ø16.1 1/2", ID Ø16.1 1/2", ID Ø12.5 3/8" for the horizontal branch. A note specifies 'D19.2*21'.</p>

Reducer/expander pipe dimensions



Note: OD side connects the branch pipe; ID side connects the engineering pipe.