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Note:

Gree is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.

All features and specifications are subject to change without prior notice.

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Distributor information



T1 50Hz
R410A/R134A/R32

ABOUT GREE

Gree Electric Appliances, Inc. of Zhuhai was founded in 1991 and was listed on the Shenzhen Stock Exchange in November 1996. At the beginning, Gree was only a company that assembled residential air conditioners. Now it has grown into a diversified global technological industrial group that has expanded its business to air conditioners, home appliances, high-end equipment and communication equipment under three brand names: GREE, KINGHOME and TOSOT. Gree was the number one brand of air conditioners in the world in 2021*.

2015: Gree's sales revenue exceeded 15.08 billion USD.

2016: Gree's sales revenue exceeded 16.51 billion USD.

2017: Gree's sales revenue exceeded 22.21 billion USD.

2018: Gree entered into the list of Forbes Global 2000 again and ranked No. 294, moving up 70 places compared with the previous year.

Gree's sales revenue exceeded 30.23 billion USD.

2019: Gree entered into Fortune Global 500. Gree's return on equity (ROE) ranked the first among the 129 Chinese enterprises on the list.

2022: Gree has ranked the 487th on the list of Fortune Global 500.

Thanks to 500 million users' choices, Gree brands are sold widely to more than 180 countries and regions.

Action makes the future and innovation makes achievement. Looking forward, Gree will press ahead with its business philosophy of passion, innovation and realization. We aim to build a centenary air conditioning enterprise and create a better life for humankind.

*Gree was the number one brand of air conditioners in the world in 2022

Footnote: "Source Euromonitor International Limited; Consumer appliances 2023ed; retail volume sales in units, 2022 data."

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SOME PARTS



Golden fin condenser

The anti-corrosion performance of golden fins is 3 times better than ordinary fins.



Inner groove copper

Special thickened inner groove copper tube enhances heat exchanging performance.



Built-in drain pump

The drain pump can pump the condensation to a high level. It facilitates condensation draining from the indoor unit and makes the installation of indoor unit easier.



Washable filter

Filters are easy to dismantle and install. You can use dirt collector or water to clear away the dust.



Quality motor

Quality motor enables stable operation and low noise.



Auxiliary electric heater

Auxiliary heater greatly improves heating capacity and saves energy.



Slave and master wired controllers

One indoor unit can be connected with two wired controllers to realize controlling of the same indoor unit from different control points.



Long connection pipe design

The total length of connection pipe reaches 1000m, which greatly improves the project flexibility of the unit.

COMFORTABLE & HEALTHY



Vertical swing

Air discharge flaps can move automatically and vertically for efficient air and temperature distribution throughout the room.



Horizontal swing

Air discharge louver can move automatically and horizontally for efficient air and temperature distribution throughout the room.



Anti-cold function

The indoor unit will not blow in winter if the air is not warm enough.



Turbo function

To run with strong power and make you feel comfortable (cool or warm) quickly.



Fresh air supply ventilation

The unit can introduce a certain percentage of fresh air to satisfy the fresh air requirement.



Comfortable sleeping mode

The setting temperature and the indoor noise can be adjusted to a more comfortable level when you set the "sleeping mode".



Quiet function

Unit is ensured to operate with the lowest noise by ultra-low fan speed and auto adjustment according to system parameter.

HIGH EFFICIENCY & ENERGY SAVING



High efficiency

The air conditioner is designed to high energy efficiency and to realize power saving.



Intelligent defrosting

It performs defrosting intelligently when necessary, thus improving heating efficiency and saving energy.



Energy saving function

When this function is activated, the temperature setting is only in limited range, so as to save energy.



All DC inverter technology

All motors adopt DC inverter technology, which greatly improves energy efficiency.

CONVENIENCE



Memory function

The unit is able to remember the operation status before power failure and automatically return to that operation status once the power is restored.



Compact design

The unit is designed with smaller dimension, which is easy to install and transport for saving cost.



Easier maintainability

The unit is designed to be easier for maintenance and component replacement.



Auto addressing technology

The new generation of indoor unit applies auto addressing technology, which greatly reduces project debugging time and error rate.

RELIABILITY



Auto clean

After turning off the unit, the indoor fan will keep running at low speed for a moment to dry the inner components and parts, in order to prevent mildew and keep users healthy.



Self-diagnosis

Malfunction codes are shown on the display panel for fast and easy maintenance when any problem occurs.



Low voltage startup

The unit is able to safely start when voltage is below standard.



Low temperature heating

The unit is able to start and operate in normal when the ambient temperature is lower than -20°C and heating capacity remains still.



Modular operating

Several units can operate together as modules, so that capacity output control is more precise, and also higher reliability.



Comprehensive protection

The unit is designed with various of protection functions to ensure the reliability.

VERSATILITY



High ESP

The external static pressure range is higher, which ensures longer delivery distance for air to provide powerful cooling.



Wide voltage range

The unit can operate in a wide range of voltage, greatly reducing the impact of voltage fluctuation.



Wide operation range

The unit can operate in wide range, greatly reducing the ambient temperature limitation.



Multiple fan speeds

The fan can operate with multiple speeds and satisfy different air flow requirements.



Modular structure

High efficiency compressor presents reliable performance.

CONTROLLER



24 hour timer

The unit can be set to turn on or turn off at anytime in a day. (The timing interval is 5-minute.)



Weekly timer

The unit can be set to start heating or cooling anytime on a daily or weekly basis.



°C/°F switch

Under off status, press MODE and "-" buttons simultaneously to switch °C/°F.



Clock display

Time is shown on the remote controller.



Child lock

It avoids child's wrong operation on the remote controller.



Key-card control

The Key-card control function is specially designed for the hotel rooms. By removing the key-card, the air conditioner can be automatically switched to stand-by status.



Centralized control

Turn on, turn off and regulate the from a distance.



Long-distance monitoring

Long-distance monitoring enables the unit to be controlled and monitored from a long distance.



Shield function

Remote control the indoor unit and shield the functions of wired controller, such as ON/OFF, temp or mode setting, energy-saving function, etc.

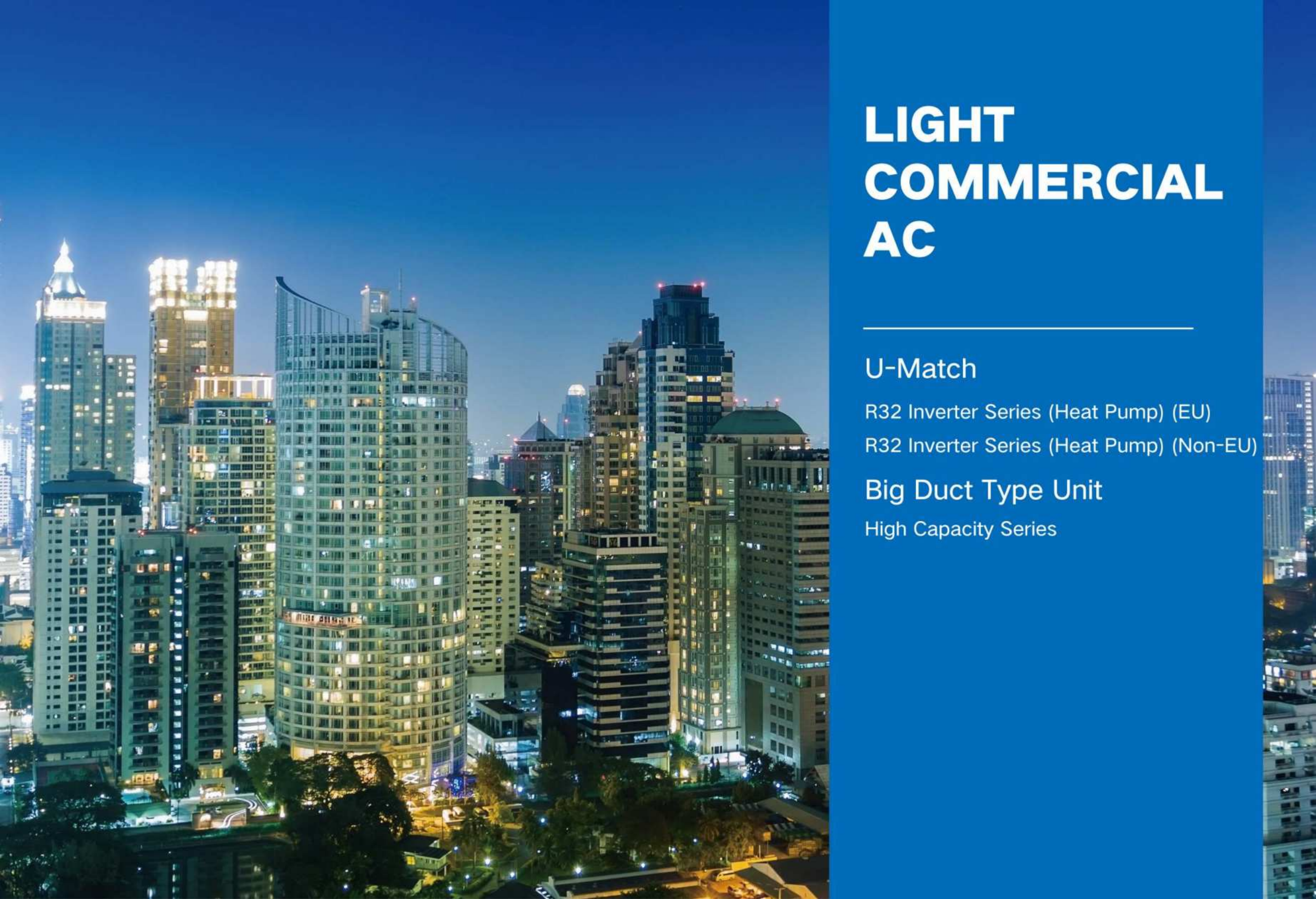


Human engineering operation

Adopts the technologies of auto addressing, non-polar communication and auto debugging, which improves the project efficiency.



Floor heating debugging

A nighttime photograph of a dense urban skyline. Several tall skyscrapers are visible, their windows and architectural details illuminated with warm yellow and white lights. The sky is a deep, clear blue. The buildings vary in height and style, with some featuring curved facades and others more traditional rectangular shapes. The overall scene conveys a sense of a bustling, modern city at night.

LIGHT COMMERCIAL AC

U-Match

R32 Inverter Series (Heat Pump) (EU)

R32 Inverter Series (Heat Pump) (Non-EU)

Big Duct Type Unit

High Capacity Series

U-Match

R32

R32 Inverter Series (Heat Pump) (EU)

U-MATCH is an air conditioning product in which the outdoor unit is generally designed to be matched with different types of indoor units (duct type, cassette type, floor ceiling type), saving the cost of warehouse management and after-sales maintenance.

The cooling capacity ranges from 3.5kW to 16kW, applicable to houses, hotels, restaurants, stores, office buildings, etc.



Outdoor Unit



» High Energy Efficiency: SEER up to 7.20 and energy efficiency rated at A++ for the whole series thanks to all DC inverter system and high-efficiency casing design, leading to 10% energy savings on average compared to the last generation.

» Health Function: Fresh air provision for the entire range of indoor units, optional healthy and sterilizing accessories, multiple air purification methods to ensure quality air in real time.

» Quiet Design: Originally designed bionic fan blades and low noise compressor lower indoor unit sound level to 28dB.

» Comfort: Adopt high precision temperature and humidity dual sensors ($\pm 0.5^{\circ}\text{C}$) to fully consider the impact of humidity on thermal comfort, reduce excessive dehumidification and substantially improve the level of comfort through intelligent correction of indoor temperature and humidity.

» Intelligent Control: WiFi function for remote APP control; Smart Sensor, with 360° temperature field detection, can automatically adjust airflow direction and the air conditioner's operation status by detecting the positions of occupants in the room.

» Easy-to-install ODU: When installing the unit, wiring and piping can be done without opening the casing, saving installation time.

» Compact Design: Single fan compact design for outdoor units of the whole series, for the ease of transport and installation.

» Different Debugging Tools: Provide different debugging tools, for example, the portable debugger, which can monitor real-time operating parameters, set unit parameters and store underlying data; the monitoring and debugging software, which can remotely monitor operating conditions and parameters. After-sales personnel can check the monitored data to locate errors. Troubleshooting is more accurate and efficient.

Indoor Unit



Duct type

- » Plasmacluster ion sterilization module is included, for a healthy and comfortable environment;
- » It can be directly connected to a centralized controller and can share a centralized controller with GREE GMV6 for centralized control;
- » Different sterilization filters are optional;
- » Up to 9 static pressure stages with a maximum of 200Pa can be set, to suit different static pressure requirements.

Cassette type

- » Plasmacluster ion sterilization module is included, for a healthy and comfortable environment;
- » Equipped with MODBUS interface, which can be directly connected to the BMS; BACnet gateway is optional;
- » Panel lifting function module is built as standard; lifting panel is optional;
- » It is equipped with an 8-way air discharge panel and a panel lifting function module; lifting panel is optional.

Floor ceiling type

- » Plasmacluster ion sterilization module is included, for a healthy and comfortable environment;
- » Equipped with MODBUS interface, which can be directly connected to the BMS; BACnet gateway is optional;
- » It can be directly connected to a centralized controller and can share a centralized controller with GREE GMV6 for centralized control;
- » Optional WiFi wired controller.

Product operation range

Product operation range					
Item	Nominal operating condition(temperature)				Operating range(temperature)
	Outdoor condition		Indoor condition		
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	
Cooling	35	24	27	19	-20~52
Heating	7	6	20	15	-20~24

Product Lineup

Capacity index		35	50	71	85	100	125	140	160
Indoor unit	Outdoor unit								
	Duct(without water pump)								
	Duct(with water pump)								
	Cassette								
	Floor ceiling								

Control System Lineup

Controlling system	Model	Outlook	Duct	Cassette	Floor ceiling
Remote controller	YAP1F		☐	☐	☐
Remote controller	YAP1F7		☐	☒	☒
Wired controller	XE7A-24/H		☒	☐	☐
Wired controller (WiFi)	XE7A-24/HC		☐	☐	☐
Wired controller	XE73-24/HC		☐	☐	☐
Programmable wired controller	XE7C-24/HC		☐	☐	☐
Duct unit LED panel (matched with remote controller)	JS13		☐	☐	☐
Access control	LE60-24/H1		☐	☐	☐
Centralized controller	CE52-24/F(C)		☐	☐	☐
Modbus gateway	ME50-00/EG(M)		☐	☐	☐
BACnet gateway	ME30-44/D2(B)		☐	☐	☐

NOTE:XE73-24/HC is under development. Please confirm the final specifications with the sales personnel.

Specifications

Model	Outdoor unit		GUD35W1/NhA-S GUD35W1/NhA-S(LCLH)			
	Indoor unit		Duct GUD35PH1/A-S GUD35PHS1/A-S	Cassette GUD35T1/A-S	Floor ceiling GUD35ZD1/A-S	
Capacity	Cooling	kW	3.5	3.5	3.5	
	Heating	kW	4.0	4.0	4.0	
EER /COP	Cooling	Btu/h	11900	11900	11900	
	Heating	Btu/h	13600	13600	13600	
SEER/SCOP	Cooling	-	3.40/4.00	3.80/4.00	3.80/4.30	
	Heating	-	6.50/4.00	7.10/4.20	7.2/4.1	
Energy efficiency grade (Cooling/Heating)		-	A++/A+	A++/A+	A++/A+	
Power supply		V/Ph/Hz	220-240-1-50/60	220-240-50/60-1	220-240-1-50/60	
Power input	Cooling	kW	1.03	0.92	0.92	
	Heating	kW	1.00	1.00	0.93	
Current input	Cooling	A	4.90	4.40	4.40	
	Heating	A	4.80	4.80	4.45	
Refrigerant charge volume		kg	0.57	0.57	0.57	
Loading quantity		unit	182/205	159/182	139/160	
Indoor unit	Air flow volume		CFM	353/324/294/235	353/324/294/235	383/353/294/235
			m ³ /h	600/550/500/400	600/550/500/400	650/600/500/400
	ESP	Rated	Pa	25	0	0
		Range	Pa	0-80	0	0
	Sound pressure level(SH/H/M/L)		dB(A)	35/33/32/30	36/35/33/29	35/34/31/28
	Dimension (W × D × H)		mm	700 × 450 × 200	570 × 570 × 260	870 × 665 × 235
	Package		mm	1008 × 568 × 275	698 × 653 × 295	973 × 770 × 300
	Net weight/Gross weight		kg	17.0/21.0	16.5/21.0	24.0/28.0
			kg	18.0/22.0		
			mm	/	620 × 620 × 47.5	/
Panel	Dimension (W × D × H)		mm	/	693 × 693 × 115	/
	Package		mm	/	3.0/4.5	/
Outdoor unit	Net weight/Gross weight		kg	/	3.0/4.5	/
	Sound pressure level		dB(A)	48	48	48
Connecting pipe	Dimension (W × D × H)		mm	675 × 285 × 553	675 × 285 × 553	675 × 285 × 553
	Package		mm	794 × 376 × 605	794 × 376 × 605	794 × 376 × 605
Max. distance	Net weight/Gross weight		kg	24.5/27.0	24.5/27.0	24.5/27.0
			kg	24.5/27.0		
Liquid	Outdoor diameter		inch(mm)	1/4"	1/4"	1/4"
	Gas		inch(mm)	3/8"	3/8"	3/8"
Height	Max. distance		m	15/30	15/30	15/30
	Length		m			

Model	Outdoor unit		GUD50W1/NhA-S GUD50W1/NhA-S(LCLH)			
	Indoor unit		Duct GUD50PH1/A-S GUD50PHS1/A-S	Cassette GUD50T1/A-S	Floor ceiling GUD50ZD1/A-S	
Capacity	Cooling	kW	5.3	5.0	5.3	
	Heating	kW	5.6	5.6	5.6	
EER /COP	Cooling	Btu/h	18000	17000	18000	
	Heating	Btu/h	19100	19100	19100	
SEER/SCOP	Cooling	-	3.50/3.95	3.40/3.50	3.45/3.95	
	Heating	-	6.30/4.00	6.60/4.00	6.5/4.2	
Energy efficiency grade (Cooling/Heating)		-	A++/A+	A++/A+	A++/A+	
Power supply		V/Ph/Hz	220-240-1-50/60	220-240-50/60-1	220-240-50/60-1	
Power input	Cooling	kW	1.51	1.47	1.56	
	Heating	kW	1.42	1.60	1.47	
Current input	Cooling	A	7.20	7.00	7.30	
	Heating	A	6.80	7.65	7.00	
Refrigerant charge volume		kg	0.85	0.85	0.85	
Loading quantity		unit	145/164	148/165	102/116	
Indoor unit	Air flow volume		CFM	530/471/412/353	424/383/353/294	530/471/412/353
			m ³ /h	900/800/700/600	720/650/600/500	900/800/700/600
	ESP	Rated	Pa	25	0	0
		Range	Pa	0-80	0	0
	Sound pressure level(SH/H/M/L)		dB(A)	36/35/33/31	43/41/39/35	36/35/33/31
	Dimension (W × D × H)		mm	1000 × 450 × 200	570 × 570 × 260	840 × 840 × 200
	Package		mm	1308 × 568 × 275	698 × 653 × 295	943 × 923 × 245
	Net weight/Gross weight		kg	23.0/28.0	16.5/21.0	21.0/27.0
			kg	24.0/29.0		26.0/29.0
			mm	/	620 × 620 × 47.5	950 × 950 × 52
Panel	Dimension (W × D × H)		mm	/	693 × 693 × 115	1033 × 1020 × 110
	Package		mm	/	3.0/4.5	6.0/9.5
Outdoor unit	Net weight/Gross weight		kg	/	3.0/4.5	/
	Sound pressure level		dB(A)	52	52	52
Connecting pipe	Dimension (W × D × H)		mm	745 × 300 × 555	745 × 300 × 555	745 × 300 × 555
	Package		mm	872 × 398 × 609	872 × 398 × 609	872 × 398 × 609
Max. distance	Net weight/Gross weight		kg	30.5/33.0	30.5/33.0	30.5/33.0
			kg	30.5/33.0		
Liquid	Outdoor diameter		inch(mm)	1/4"	1/4"	1/4"
	Gas		inch(mm)	1/2"	1/2"	1/2"
Height	Max. distance		m	20/30	20/30	20/30
	Length		m			

Specifications

Model	Outdoor unit		GUD71W1/nhA-S GUD71W1/NhA-S(LCLH)				
	Indoor unit		Duct	Cassette	Floor ceiling	Wall-mounted	
			GUD71PH1/A-S GUD71PHS1/A-S	GUD71T1/A-S	GUD71ZD1/A-S	GUD71G1/A-S	
Capacity	Cooling	kW	7.1	7.1	7.1	7.1	
		Btu/h	24200	24200	24200	24200	
	Heating	kW	8.0	7.8	7.7	7.7	
		Btu/h	27200	26600	26200	26200	
EER /COP		-	3.70/4.00	3.50/3.90	3.50/3.95		
SEER/SCOP		-	6.60/4.10	6.70/4.30	7.2/4.3		
Energy efficiency grade (Cooling/Heating)		-	A++/A+	A++/A+	A++/A+		
Power supply		V/Ph/Hz	220-240-1-50/60	220-240-50/60-1	220-240-1-50/60		
Power input	Cooling	kW	1.92	2.03	2.03		
	Heating	kW	2.00	2.00	1.90		
Current input	Cooling	A	9.20	9.70	9.70		
	Heating	A	9.50	9.60	9.10		
Refrigerant charge volume		kg	1.50	1.50	1.50		
Loading quantity		40°GP/40°HQ unit	98/109	84/94	92/102		
Indoor unit	Air flow volume		CFM	647/588/529/470	735/647/588/529	706/647/589/559	
			m³/h	1100/1000/900/800	1250/1100/1000/900	1200/1100/1000/950	
	ESP	Rated	Pa	25	0	0	
		Range	Pa	0-160	0	0	
	Sound pressure level(SH/H/M/L)		dB(A)	37/35/33/31	41/39/37/35	47/45/43/40	
	Dimension (W×D×H)	Outline	mm	900×655×260	840×840×200	1078×246×325	
		Package	mm	1115×772×320	943×923×245	1303×770×300	
	Net weight/Gross weight		kg	28.5/32.5	31.0/36.0	15/18	
			kg	29.5/33.5			
	Panel	Dimension (W×D×H)	Outline	mm	950×950×52	/	/
			Package	mm	1033×1020×110	/	/
Net weight/Gross weight		kg	6.0/9.5	/	/		
Outdoor unit	Sound pressure level		dB(A)	55	55	55	
	Dimension (W×D×H)	Outline	mm	889×340×660	889×340×660	889×340×660	
		Package	mm	1032×456×730	1032×456×730	1032×456×730	
	Net weight/Gross weight		kg	41.5/45.0	41.5/45.0	41.5/45.0	
Connecting pipe	Outdoor diameter	Liquid	inch(mm)	3/8"	3/8"	3/8"	
		Gas	inch(mm)	5/8"	5/8"	5/8"	
	Max. distance	Height	m	20/30	20/30	20/30	
		Length	m				

Model	Outdoor unit		GUD100W1/NhA-S GUD100W1/NhA-S(LCLH)		GUD100W1/NhA-X GUD100W1/NhA-X(LCLH)		GUD100W1/NhA-S GUD100W1/NhA-S(LCLH)		GUD100W1/NhA-X GUD100W1/NhA-X(LCLH)		GUD100W1/NhA-S GUD100W1/NhA-S(LCLH)		GUD100W1/NhA-X GUD100W1/NhA-X(LCLH)	
	Indoor unit		Duct		Cassette		Floor ceiling		Wall-mounted		Duct		Cassette	
			GUD100PH1/A-S GUD100PHS1/A-S		GUD100T1/A-S		GUD100ZD1/A-S		GUD100G1/A-S		GUD100PH1/A-S GUD100PHS1/A-S		GUD100T1/A-S	
Capacity	Cooling	kW	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
		Btu/h	35800	35800	35800	35800	35800	35800	35800	35800	35800	35800	35800	35800
	Heating	kW	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
		Btu/h	39200	39200	39200	39200	39200	39200	39200	39200	39200	39200	39200	39200
EER /COP	-		3.50/4.10	3.50/4.10	3.40/3.90	3.40/3.90	3.40/3.90	3.40/3.90	3.40/3.90	3.40/3.90	3.40/3.90	3.40/3.90	3.40/3.90	3.40/3.90
SEER/SCOP	-		6.40/4.20	6.40/4.20	6.00/4.40	6.00/4.40	6.00/4.40	6.00/4.40	6.00/4.40	6.00/4.40	6.00/4.40	6.00/4.40	6.00/4.40	6.00/4.40
Energy efficiency grade	-		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Power supply	V/Ph/Hz		220-240-1-50/60	380-415-3-50/60	220-240-1-50/60	380-415-3-50/60	220-240-1-50/60	380-415-3-50/60	220-240-1-50/60	380-415-3-50/60	220-240-1-50/60	380-415-3-50/60	220-240-1-50/60	380-415-3-50/60
Power input	Cooling	kW	3.00	3.00	3.10	3.10	2.94	2.94	2.94	2.94	3.00	3.00	2.94	2.94
	Heating	kW	2.80	2.80	2.90	2.90	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
Current input	Cooling	A	14.25	14.25	14.80	14.80	14.00	14.00	14.00	14.00	14.25	14.25	14.00	14.00
	Heating	A	13.4	13.4	14.10	14.10	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
Refrigerant charge volume		kg	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10
Loading quantity		unit	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72
Indoor unit	Air flow volume		CFM	1000/941/824/710	1000/941/824/710	883/824/710/588	883/824/710/588	941/883/765/647	941/883/765/647	941/883/765/647	1000/941/824/710	1000/941/824/710	883/824/710/588	883/824/710/588
			m³/h	1700/1600/1400/1200	1700/1600/1400/1200	1500/1400/1200/1000	1500/1400/1200/1000	1800/1700/1500/1300	1800/1700/1500/1300	1800/1700/1500/1300	1700/1600/1400/1200	1700/1600/1400/1200	1500/1400/1200/1000	1500/1400/1200/1000
	ESP	Rated	Pa	37	37	0	0	0	0	0	0	0	0	0
		Range	Pa	0-160	0-160	0	0	0	0	0	0	0	0	0
	Sound pressure level(SH/H/M/L)		dB(A)	39/38/37/36	39/38/37/36	43/42/41/40	43/42/41/40	48/46/45/43	48/46/45/43	48/46/45/43	39/38/37/36	39/38/37/36	43/42/41/40	43/42/41/40
	Dimension (W × D × H)	Outline	mm	1340 × 655 × 260	1340 × 655 × 260	840 × 840 × 240	840 × 840 × 240	1570 × 665 × 235	1570 × 665 × 235	1570 × 665 × 235	1340 × 655 × 260	1340 × 655 × 260	840 × 840 × 240	840 × 840 × 240
		Package	mm	1568 × 770 × 323	1568 × 770 × 323	933 × 903 × 272	933 × 903 × 272	1869 × 770 × 300	1869 × 770 × 300	1869 × 770 × 300	1568 × 770 × 323	1568 × 770 × 323	933 × 903 × 272	933 × 903 × 272
	Net weight/Gross weight		kg	42.0/48.0	42.0/48.0	23.0/29.0	23.0/29.0	39.5/46.5	39.5/46.5	39.5/46.5	42.0/48.0	42.0/48.0	23.0/29.0	23.0/29.0
			kg	43.0/49.0	43.0/49.0						43.0/49.0	43.0/49.0		
	Panel	Dimension (W × D × H)	Outline	mm	/	/	950 × 950 × 52	950 × 950 × 52	/	/	/	/	/	/
		Package	mm	/	/	1033 × 1020 × 110	1033 × 1020 × 110	/	/	/	/	/	/	/
Net weight/Gross weight		kg	/	/	6.0/9.5	6.0/9.5	/	/	/	/	/	/	/	
Sound pressure level		dB(A)	57	57	57	57	57	57	57	57	57	57	57	
Outdoor unit	Dimension (W × D × H)	Outline	mm	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	
		Package	mm	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	
	Net weight/Gross weight		kg	66.0/72.0	66.0/72.0	66.0/72.0	66.0/72.0	66.0/72.0	66.0/72.0	66.0/72.0	66.0/72.0	66.0/72.0	66.0/72.0	
	Connecting pipe	Outdoor diameter	Liquid	inch(mm)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Gas			inch(mm)	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	
Max. distance		Height	m	30/75	30/75	30/75	30/75	30/75	30/75	30/75	30/75	30/75	30/75	
		Length	m											

Model	Outdoor unit		GUD85W1/NhA-S GUD85W1/NhA-S(LCLH)			
	Indoor unit		Duct	Cassette	Floor ceiling	
			GUD85PH1/A-S GUD85PHS1/A-S	GUD85T1/A-S	GUD85ZD1/A-S	
Capacity	Cooling	kW	8.5	8.5	8.5	
		Btu/h	29000	29000	29000	
	Heating	kW	8.80	8.8	8.80	
		Btu/h	30000	30000	30000	
EER /COP			-	3.40/3.90	3.40/3.90	
SEER/SCOP			-	6.40/4.10	6.90/4.30	
Energy efficiency grade			-	A++/A+	A++/A+	
Power supply			V/Ph/Hz	220-240-1-50/60	220-240-1-50/60	
Power input	Cooling	kW	2.50	2.50	2.50	
	Heating	kW	2.25	2.25	2.25	
Current input	Cooling	A	11.40	11.40	11.40	
	Heating	A	10.30	10.30	10.30	
Refrigerant charge volume			kg	1.50	1.50	
Loading quantity	40'GP/40'HQ		unit	98/109	84/94	
Indoor unit	Air flow volume		CFM	824/765/647/588	824/765/647/588	824/765/706/588
			m³/h	1400/1300/1100/1000	1400/1300/1100/1000	1400/1300/1200/1000
	ESP	Rated	Pa	37	0	0
		Range	Pa	0-160	0	0
	Sound pressure level(SH/H/M/L)		dB(A)	43/41/39/37	47/46/42/38	46/45/43/39
	Dimension (W × D × H)	Outline	mm	900 × 665 × 260	840 × 840 × 200	1200 × 665 × 235
		Package	mm	1115 × 772 × 320	943 × 923 × 245	1303 × 770 × 300
	Net weight/Gross weight		kg	28.5/32.5	21.0/27.0	32.0/37.0
			kg	29.5/33.5		
	Panel	Dimension (W × D × H)	Outline	mm	/	950 × 950 × 52
Package			mm	/	1033 × 1020 × 110	/
Net weight/Gross weight		kg	/	6.0/9.5	/	
Sound pressure level		dB(A)	57	57	57	
Outdoor unit	Dimension (W × D × H)	Outline	mm	889 × 340 × 660	889 × 340 × 660	889 × 340 × 660
		Package	mm	1032 × 456 × 730	1032 × 456 × 730	1032 × 456 × 730
	Net weight/Gross weight		kg	46.0/50.0	46.0/50.0	46.0/50.0
	Connecting pipe	Outdoor diameter	Liquid	inch(mm)	3/8"	3/8"
Gas			inch(mm)	5/8"	5/8"	5/8"
Max. distance		Height	m	25/30	25/30	25/30
		Length	m			

Model	Outdoor unit		GUD140W1/NhA-S GUD140W1/NhA-S(LCLH)		GUD140W1/NhA-X GUD140W1/NhA-X(LCLH)		GUD140W1/NhA-S GUD140W1/NhA-S(LCLH)		GUD140W1/NhA-X GUD140W1/NhA-X(LCLH)	
	Indoor unit		Duct GUD140PH1/A-S		Cassette GUD140T1/A-S		Floor ceiling GUD140ZD1/A-S			
Capacity	Cooling	kW	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
		Btu/h	45700	45700	45700	45700	45700	45700	45700	45700
	Heating	kW	15.50	15.50	15.5	15.5	15.50	15.50	15.50	15.50
		Btu/h	52900	52900	52900	52900	52900	52900	52900	52900
EER /COP			-	2.98/3.44	2.98/3.44	2.91/3.36	2.91/3.36	3.12/3.69	3.12/3.69	3.12/3.69
SEER/SCOP			-	6.10/4.00	6.10/4.00	6.30/4.00	6.30/4.00	6.30/4.00	6.30/4.00	6.30/4.00
Energy efficiency grade			-	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Power supply			V/Ph/Hz	220-240-1-50/60	380-415-3-50/60	220-240-1-50/60	380-415-3-50/60	220-240-1-50/60	380-415-3-50/60	380-415-3-50/60
Power input	Cooling	kW	4.50	4.50	4.60	4.60	4.30	4.30	4.30	4.30
	Heating	kW	4.50	4.50	4.70	4.70	4.20	4.20	4.20	4.20
Current input	Cooling	A	20.60	6.80	21.00	7.00	19.70	6.50	6.50	6.50
	Heating	A	20.60	6.80	21.50	7.10	19.20	6.40	6.40	6.40
Refrigerant charge volume			kg	2.80	2.80	2.80	2.80	2.80	2.80	2.80
Loading quantity	40'GP/40'HQ		unit	56/63	56/63	64/74	64/74	62/74	62/74	62/74
Indoor unit	Air flow volume	CFM	1354/1236/1059/883	1354/1236/1059/883	1177/1059/942/824	1177/1059/942/824	1354/1236/1059/883	1354/1236/1059/883	1354/1236/1059/883	1354/1236/1059/883
		m³/h	2300/2100/1800/1500	2300/2100/1800/1500	2000/1800/1600/1400	2000/1800/1600/1400	2300/2100/1800/1500	2300/2100/1800/1500	2300/2100/1800/1500	2300/2100/1800/1500
	ESP	Rated	Pa	50	50	0	0	0	0	0
		Range	Pa	0-200	0-200	0	0	0	0	0
	Sound pressure level(SH/H/M/L)	dB(A)	43/42/40/38	43/42/40/38	50/48/45/41	50/48/45/41	51/48/45/43	51/48/45/43	51/48/45/43	51/48/45/43
		Outline	mm	1400 × 700 × 300	1400 × 700 × 300	840 × 840 × 290	840 × 840 × 290	1570 × 665 × 235	1570 × 665 × 235	1570 × 665 × 235
	Dimension (W × D × H)	Package	mm	1601 × 813 × 365	1601 × 813 × 365	933 × 903 × 335	933 × 903 × 335	1669 × 770 × 300	1669 × 770 × 300	1669 × 770 × 300
		kg	51.0/57.0	51.0/57.0	25.0/32.0	25.0/32.0	42.0/49.0	42.0/49.0	42.0/49.0	42.0/49.0
	Net weight/Gross weight	kg	52.0/58.0	52.0/58.0	25.0/32.0	25.0/32.0	42.0/49.0	42.0/49.0	42.0/49.0	42.0/49.0
		kg	52.0/58.0	52.0/58.0	25.0/32.0	25.0/32.0	42.0/49.0	42.0/49.0	42.0/49.0	42.0/49.0
Panel	Dimension (W × D × H)	Outline	mm	/	/	950 × 950 × 52	950 × 950 × 52	/	/	/
		Package	mm	/	/	1033 × 1020 × 110	1033 × 1020 × 110	/	/	/
	Net weight/Gross weight	kg	/	/	6.0/9.5	6.0/9.5	/	/	/	/
		kg	/	/	6.0/9.5	6.0/9.5	/	/	/	/
Outdoor unit	Sound pressure level	dB(A)	59	59	59	59	59	59	59	59
		Outline	mm	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820
	Dimension (W × D × H)	Package	mm	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885	1093 × 497 × 885
		kg	73.0/80.0	81.0/88.0	73.0/80.0	81.0/88.0	73.0/80.0	81.0/88.0	81.0/88.0	81.0/88.0
Connecting pipe	Outdoor diameter	Liquid	inch(mm)	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
		Gas	inch(mm)	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Max. distance	Height	m	30/75	30/75	30/75	30/75	30/75	30/75	30/75
		Length	m	30/75	30/75	30/75	30/75	30/75	30/75	30/75

Model	Outdoor unit		GUD160W1/NhA-X GUD160W1/NhA-X(LCLH)			
	Indoor unit		Duct GUD160PH1/A-S GUD160PHS1/A-S		Cassette GUD160T1/A-S	
					Floor ceiling GUD160ZD1/A-S	
Capacity	Cooling	kW	16.0	16.0	14.5	15.0
		Btu/h	54500	54500	49400	54500
	Heating	kW	17.0	17.0	17.0	17.0
		Btu/h	58000	58000	58000	58000
EER /COP			-	2.96/3.62	2.74/2.98	3.02/3.54
SEER/SCOP			-	6.10/4.00	6.10/4.00	6.10/4.00
Energy efficiency grade			-	A++/A+	A++/A+	A++/A+
Power supply			V/Ph/Hz	380-415-3-50/60	380-415-3-50/60	380-415-3-50/60
Power input	Cooling	kW	5.40	5.40	5.30	5.30
	Heating	kW	4.70	4.70	5.70	4.80
Current input	Cooling	A	9.20	9.20	9.00	9.00
	Heating	A	8.00	8.20	9.70	9.70
Refrigerant charge volume			kg	3.50	3.50	3.50
Loading quantity	40'GP/40'HQ		unit	49/57	58/62	60/67
Indoor unit	Air flow volume	CFM	1529/1354/1176/1000	1529/1354/1176/1000	1354/1235/1118/941	1412/1294/1118/941
		m³/h	2600/2300/2000/1700	2600/2300/2000/1700	2300/2100/1900/1600	2400/2200/1900/1600
	ESP	Rated	Pa	50	0	0
		Range	Pa	0-200	0	0
	Sound pressure level(SH/H/M/L)	dB(A)	46/44/42/40	46/44/42/40	52/50/48/44	53/51/48/44
		Outline	mm	1400 × 700 × 300	840 × 840 × 290	1570 × 665 × 235
	Dimension (W × D × H)	Package	mm	1601 × 813 × 365	933 × 903 × 335	1669 × 770 × 300
		kg	54.0/61.0	54.0/61.0	26.0/33.0	42.0/49.0
	Net weight/Gross weight	kg	55.0/62.0	55.0/62.0	26.0/33.0	42.0/49.0
		kg	55.0/62.0	55.0/62.0	26.0/33.0	42.0/49.0
Panel	Dimension (W × D × H)	Outline	mm	/	950 × 950 × 52	/
		Package	mm	/	1033 × 1020 × 110	/
	Net weight/Gross weight	kg	/	/	6.0/9.5	/
		kg	/	/	6.0/9.5	/
Outdoor unit	Sound pressure level	dB(A)	60	60	60	60
		Outline	mm	990 × 370 × 960	990 × 370 × 960	990 × 370 × 960
	Dimension (W × D × H)	Package	mm	1153 × 478 × 1110	1153 × 478 × 1110	1153 × 478 × 1110
		kg	94.0/103.0	94.0/103.0	94.0/103.0	94.0/103.0
Connecting pipe	Outdoor diameter	Liquid	inch(mm)	3/8"	3/8"	3/8"
		Gas	inch(mm)	5/8"	5/8"	5/8"
	Max. distance	Height	m	30/75	30/75	30/75
		Length	m	30/75	30/75	30/75

NOTE: This product model is under development. Please confirm the final specifications with the sales personnel.

U-Match

R32

R32 Inverter Series (Heat Pump) (Non-EU)

U-MATCH is an air conditioning product in which the outdoor unit is generally designed to be matched with different types of indoor units (duct type, cassette type, floor ceiling type), saving the cost of warehouse management and after-sales maintenance.

The cooling capacity ranges from 3.5kW to 16kW, applicable to houses, hotels, restaurants, stores, office buildings, etc.



Advantages of outdoor units



» Health Function: Fresh air provision for the entire range of indoor units, optional healthy and sterilizing accessories, multiple air purification methods to ensure quality air in real time.

» Quiet Design: Originally designed bionic fan blades and low noise compressor.

» Comfort: Adopt high precision temperature and humidity dual sensors ($\pm 0.5^{\circ}\text{C}$) to fully consider the impact of humidity on thermal comfort, reduce excessive dehumidification and substantially improve the level of comfort through intelligent correction of indoor temperature and humidity.

» Intelligent Control: WiFi module for remote APP control; Smart Sensor, with 360° temperature field detection, can automatically adjust airflow direction and the air conditioner's operation status by detecting the positions of occupants in the room.

» Easy-to-install ODU: When installing the unit, wiring and piping can be done without opening the casing, saving installation time.

» Compact Design: Single fan compact design for outdoor units of the whole series, for the ease of transport and installation.

» Different Debugging Tools: Provide different debugging tools, for example, the portable debugger, which can monitor real-time operating parameters, set unit parameters and store underlying data; the monitoring and debugging software, which can remotely monitor operating conditions and parameters. After-sales personnel can check the monitored data to locate errors. Troubleshooting is more accurate and efficient.

Indoor Unit



Duct type

- » Ultra thin structure for 3.5kW/5.0kW. It's only 200mm thick;
- » Compact structure, only 260mm thick; models 7.1kW/8.5kW are only 900mm in length, suitable to places with narrow ceiling space;
- » Models with and without drain pumps are available. The delivery lift can reach 1000mm;
- » Two air return modes to choose from: bottom air return and rear air return.

Cassette type

- » With 8-way air discharge panels for 360° air supply;
- » 5 fan speeds can be set to meet different air flow requirements;
- » Thanks to the built-in electric box, maintenance can be carried out after opening the grill – no need to remove the ceiling;
- » Optional WiFi wired controller.

Floor ceiling type

- » Two installation methods to choose from: floor or ceiling mounted;
- » Dual air guide louvers for multi-dimensional air discharge and higher level of comfort;
- » Both air louvers can be completely closed to avoid dust; the air outlet has no flocked fabric; the bright white appearance makes it simple and beautiful;
- » Dual-8 digit display of temperature and error codes.

Product operation range

Item	Nominal operating condition(temperature)				Operating range(temperature)
	Outdoor condition		Indoor condition		
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	
Cooling	35	24	27	19	-15~48
Heating	7	6	20	15	-15~24

Units Lineup

Capacity Index		35	50	71	85	100	125	140	160
Outdoor unit	220-240V ~1Ph-50/60Hz								
	380-415V ~3Ph-50/60Hz	/	/	/	/	/	/	/	/
Indoor unit	Duct (without water pump)								
	Duct (with water pump)								
	Cassette								
	Floor ceiling								

Specifications

Model	Outdoor unit		GUD35W1/NhB-S GUD35W1/NhB-S(LCLH)			
			Duct(without water pump) GUD35P1/B-S	Duct(with water pump) GUD35PS1/B-S	Cassette GUD35T1/B-S	Floor ceiling GUD35ZD1/B-S
Capacity	Cooling	kW	3.50	3.50	3.50	3.5
		Btu/h	11900	11900	11900	11900
EER /COP	Heating	kW	4.00	4.00	4.00	4.00
		Btu/h	13600	13600	13600	13600
Power supply		W/W	3.40/4.00	3.40/4.00	3.80/4.00	3.80/4.30
Power input		V/Ph/Hz	220-240V ~50/60Hz	220-240V ~50/60Hz	220-240V ~50/60Hz	220-240V ~50/60Hz
Current input		kW	1.03	1.03	0.92	0.92
Refrigerant charge volume		kW	1.00	1.00	1.00	0.93
Indoor unit	Cooling	A	4.90	4.90	4.40	4.40
		A	4.80	4.80	4.80	4.45
Panel	Heating	kg	0.57	0.57	0.57	0.57
		CFM	353/324/294/235	353/324/294/235	353/324/294/235	383/353/294/235
Outdoor unit	Air flow volume	m³/h	600/550/500/400	600/550/500/400	600/550/500/400	650/600/500/400
		Pa	25	25	0	0
Connecting pipe	ESP	Range	0-80	0-80	0	0
		Pa	0-80	0-80	0	0
Loading quantity	Sound pressure level(SH/H/M/L)	dB(A)	35/33/32/30	35/33/32/30	36/35/33/29	35/34/31/28
		mm	700 × 450 × 200	700 × 450 × 200	570 × 570 × 260	870 × 665 × 235
Indoor unit	Dimension (W × D × H)	Package	1008 × 568 × 275	1008 × 568 × 275	698 × 653 × 295	973 × 770 × 300
		kg	17/21	18/22	16.5/21	24/28
Panel	Net weight/Gross weight	mm	-	-	620 × 620 × 47.5	-
		Package	mm	mm	693 × 693 × 115	-
Outdoor unit	Sound pressure level	kg	-	-	3.0/4.5	-
		dB(A)	48	48	48	48
Connecting pipe	Dimension (W × D × H)	Outline	mm	675 × 285 × 553	675 × 285 × 553	675 × 285 × 553
		Package	mm	794 × 376 × 605	794 × 376 × 605	794 × 376 × 605
Loading quantity	Net weight/Gross weight	kg	24.5/27	24.5/27	24.5/27	24.5/27
		inch(mm)	1/4"	1/4"	1/4"	1/4"
Indoor unit	Outdoor diameter	inch(mm)	3/8"	3/8"	3/8"	3/8"
		Height	m	15	15	15
Panel	Max. distance	Length	m	30	30	30
		unit	182/205	182/205	159/182	139/160

Model	Outdoor unit		GUD50W1/NhB-S GUD50W1/NhB-S(LCLH)			
			Duct(without water pump) GUD50P1/B-S	Duct(with water pump) GUD50PS1/B-S	Cassette GUD50T1/B-S	Floor ceiling GUD50ZD1/B-S
Capacity	Cooling	kW	5.3	5.3	5.1	5.3
		Btu/h	18000	18000	17400	18000
EER /COP	Heating	kW	5.8	5.8	5.6	5.8
		Btu/h	19700	19700	19100	19700
Power supply		W/W	3.27/4.00	3.27/4.00	3.22/3.68	3.35/3.86
Power input		V/Ph/Hz	220-240V ~50/60Hz	220-240V ~50/60Hz	220-240V ~50/60Hz	220-240V ~50/60Hz
Current input		kW	1.62	1.62	1.58	1.58
Refrigerant charge volume		kW	1.45	1.45	1.52	1.50
Indoor unit	Cooling	A	7.40	7.40	7.20	7.20
		A	6.60	6.60	6.90	6.80
Panel	Heating	kg	0.85	0.85	0.85	0.85
		CFM	647/589/530/412	647/589/530/412	424/383/353/294	647/589/530/412
Outdoor unit	Air flow volume	m³/h	1100/1000/900/700	1100/1000/900/700	720/650/600/500	1100/1000/900/700
		Pa	25	25	0	0
Connecting pipe	ESP	Range	0-80	0-80	0	0
		Pa	0-80	0-80	0	0
Loading quantity	Sound pressure level(SH/H/M/L)	dB(A)	40/38/37/35	40/38/37/35	43/41/39/36	47/45/43/38
		mm	1000 × 450 × 200	1000 × 450 × 200	570 × 570 × 260	870 × 665 × 235
Indoor unit	Dimension (W × D × H)	Package	mm	1308 × 568 × 275	698 × 653 × 295	973 × 770 × 300
		kg	23/28	24/29	17/21	25/29
Panel	Net weight/Gross weight	mm	-	-	620 × 620 × 47.5	-
		Package	mm	mm	693 × 693 × 115	-
Outdoor unit	Sound pressure level	kg	-	-	3.0/4.5	-
		dB(A)	49	49	49	49
Connecting pipe	Dimension (W × D × H)	Outline	mm	675 × 285 × 553	675 × 285 × 553	675 × 285 × 553
		Package	mm	794 × 376 × 605	794 × 376 × 605	794 × 376 × 605
Loading quantity	Net weight/Gross weight	kg	27.5/30	27.5/30	27.5/30.0	27.5/30.0
		inch(mm)	1/4"	1/4"	1/4"	1/4"
Indoor unit	Outdoor diameter	inch(mm)	1/2"	1/2"	1/2"	1/2"
		Height	m	15	15	15
Panel	Max. distance	Length	m	30	30	30
		unit	160/180	160/180	159/182	139/160

Model	Outdoor unit			GUD75W1/NH-B-S GUD75W1/NH-B-S(LCLH)			
	Indoor unit			Duct(without water pump)	Duct(with water pump)	Cassette	Floor ceiling
				GUD85PH1/B-S	GUD71PHS1/B-S	GUD71T1/B-S	GUD71ZD1/B-S
Capacity	Cooling		kW	7.10	7.10	7.10	7.10
			Btu/h	24200	24200	24200	24200
EER /COP	Heating		kW	8.00	8.00	8.00	8.00
			Btu/h	27200	27200	27200	27200
Power supply			W/W	3.22/3.60	3.22/3.60	3.22/3.40	3.22/3.40
Power input			V/Ph/Hz	220-240V~50/60Hz	220-240V~50/60Hz	220-240V~50/60Hz	220-240V~50/60Hz
Current input	Cooling		kW	2.20	2.20	2.20	2.20
	Heating		kW	2.22	2.22	2.35	2.35
Refrigerant charge volume	Cooling		A	10.10	10.10	10.10	10.10
	Heating		A	10.20	10.20	10.75	10.75
Indoor unit	Air flow volume		kg	1.10	1.10	1.10	1.10
			CFM	756/706/647/530	756/706/647/530	756/706/647/530	706/647/589/471
Panel	ESP	Rated	m³/h	1300/1200/1100/900	1300/1200/1100/900	1300/1200/1100/900	1200/1100/1000/800
		Range	Pa	25	25	0	0
Outdoor unit	Sound pressure level(SH/H/M/L)		Pa	0-160	0-160	0	0
			dB(A)	40/39/37/34	40/39/37/34	44/43/41/38	49/47/44/42
Connecting pipe	Dimension (W × D × H)	Outline	mm	900 × 655 × 260	900 × 655 × 260	840 × 840 × 200	870 × 665 × 235
		Package	mm	1115 × 772 × 320	1115 × 772 × 320	943 × 923 × 245	973 × 770 × 300
Loading quantity	Net weight/Gross weight		kg	28.5/32	29/33	21/27	25/29
			mm	-	-	950 × 950 × 52	-
Indoor unit	Dimension (W × D × H)	Outline	mm	-	-	1033 × 1020 × 110	-
		Package	mm	-	-	-	-
Panel	Net weight/Gross weight		kg	-	-	6/9.5	-
			dB(A)	58	58	58	58
Outdoor unit	Dimension (W × D × H)	Outline	mm	889 × 340 × 660	889 × 340 × 660	889 × 340 × 660	889 × 340 × 660
		Package	mm	1032 × 456 × 730	1032 × 456 × 730	1032 × 456 × 730	1032 × 456 × 730
Connecting pipe	Net weight/Gross weight		kg	40/44	40/44	40/44	40/44
			mm	-	-	950 × 950 × 52	-
Loading quantity	Outdoor diameter	Liquid	inch(mm)	3/8"	3/8"	3/8"	3/8"
		Gas	inch(mm)	5/8"	5/8"	5/8"	5/8"
Max. distance	Height		m	20	20	20	20
		Length	m	30	30	30	30
Loading quantity	40'GP/40'HQ		unit	98/109	98/109	87/99	100/114

Model	Outdoor unit			GUD100W1/NH-B-S GUD100W1/NH-B-S(LCLH)			
	Indoor unit			Duct(without water pump)	Duct(with water pump)	Cassette	Floor ceiling
				GUD100PH1/B-S	GUD100PHS1/B-S	GUD100T1/B-S	GUD100ZD1/B-S
Capacity	Cooling		kW	10.00	10.00	10.00	10.00
			Btu/h	34100	34100	34100	34100
EER /COP	Heating		kW	11.00	11.00	10.80	11.00
			Btu/h	37500	37500	36800	37500
Power supply			W/W	3.21/3.61	3.21/3.61	3.21/3.72	3.21/3.79
Power input			V/Ph/Hz	220-240V~50/60Hz	220-240V~50/60Hz	220-240V~50/60Hz	220-240V~50/60Hz
Current input	Cooling		kW	3.12	3.12	3.12	3.12
	Heating		kW	3.05	3.05	2.90	2.90
Refrigerant charge volume	Cooling		A	14.30	14.30	14.30	14.30
	Heating		A	14.00	14.00	13.30	13.30
Indoor unit	Air flow volume		kg	1.50	1.50	1.50	1.50
			CFM	1000/942/824/706	1000/942/824/706	1059/942/824/706	1059/942/824/706
Panel	ESP	Rated	m³/h	1800/1600/1400/1200	1800/1600/1400/1200	1800/1600/1400/1200	1800/1600/1400/1200
		Range	Pa	37	37	0	0
Outdoor unit	Sound pressure level(SH/H/M/L)		Pa	0-160	0-160	0	0
			dB(A)	45/44/43/41	45/44/43/41	49/47/43/40	49/47/44/42
Connecting pipe	Dimension (W × D × H)	Outline	mm	900 × 655 × 260	900 × 655 × 260	840 × 840 × 240	1200 × 665 × 235
		Package	mm	1115 × 772 × 320	1115 × 772 × 320	933 × 903 × 272	1303 × 770 × 300
Loading quantity	Net weight/Gross weight		kg	29/33	30/34	23/29	32/37
			mm	-	-	950 × 950 × 52	-
Indoor unit	Dimension (W × D × H)	Outline	mm	-	-	1033 × 1020 × 110	-
		Package	mm	-	-	-	-
Panel	Net weight/Gross weight		kg	-	-	6/9.5	-
			dB(A)	58	58	58	58
Outdoor unit	Dimension (W × D × H)	Outline	mm	889 × 340 × 660	889 × 340 × 660	889 × 340 × 660	889 × 340 × 660
		Package	mm	1032 × 456 × 730	1032 × 456 × 730	1032 × 456 × 730	1032 × 456 × 730
Connecting pipe	Net weight/Gross weight		kg	47/51	47/51	47/51	47/51
			mm	-	-	950 × 950 × 52	-
Loading quantity	Outdoor diameter	Liquid	inch(mm)	3/8"	3/8"	3/8"	3/8"
		Gas	inch(mm)	5/8"	5/8"	5/8"	5/8"
Max. distance	Height		m	20	20	20	20
		Length	m	30	30	30	30
Loading quantity	40'GP/40'HQ		unit	98/109	98/109	84/94	92/102

Model	Outdoor unit			GUD85W1/NH-B-S GUD85W1/NH-B-S(LCLH)			
	Indoor unit			Duct(without water pump)	Duct(with water pump)	Cassette	Floor ceiling
				GUD85PH1/B-S	GUD85PHS1/B-S	GUD85T1/B-S	GUD85ZD1/B-S
Capacity	Cooling		kW	8.50	8.50	8.50	8.50
			Btu/h	29000	29000	29000	29000
EER /COP	Heating		kW	8.80	8.80	8.80	8.80
			Btu/h	30000	30000	30000	30000
Power supply			W/W	3.40/3.90	3.40/3.90	3.40/3.90	3.40/3.90
Power input			V/Ph/Hz	220-240V~50/60Hz	220-240V~50/60Hz	220-240V~50/60Hz	220-240V~50/60Hz
Current input	Cooling		kW	2.50	2.50	2.50	2.50
	Heating		kW	2.25	2.25	2.25	2.25
Refrigerant charge volume	Cooling		A	11.40	11.40	11.40	11.40
	Heating		A	10.30	10.30	10.30	10.30
Indoor unit	Air flow volume		kg	1.50	1.50	1.50	1.50
			CFM	824/765/647/588	824/765/647/588	824/765/647/588	824/765/647/588
Panel	ESP	Rated	m³/h	1400/1300/1100/1000	1400/1300/1100/1000	1400/1300/1100/1000	1400/1300/1100/1000
		Range	Pa	37	37	0	37
Outdoor unit	Sound pressure level(SH/H/M/L)		Pa	0-160	0-160	0	0
			dB(A)	43/41/39/37	43/41/39/37	47/46/42/38	46/45/43/39
Connecting pipe	Dimension (W × D × H)	Outline	mm	900 × 655 × 260	900 × 655 × 260	840 × 840 × 200	1200 × 665 × 235
		Package	mm	1115 × 772 × 320	1115 × 772 × 320	943 × 923 × 245	1303 × 770 × 300
Loading quantity	Net weight/Gross weight		kg	28.5/32.5	29.5/33.5	21/27	32/37
			mm	-	-	950 × 950 × 52	-
Indoor unit	Dimension (W × D × H)	Outline	mm	-	-	1033 × 1020 × 110	-
		Package	mm	-	-	-	-
Panel	Net weight/Gross weight		kg	-	-	6/9.5	-
			dB(A)	57	57	57	57
Outdoor unit	Dimension (W × D × H)	Outline	mm	889 × 340 × 660	889 × 340 × 660	889 × 340 × 660	889 × 340 × 660
		Package	mm	1032 × 456 × 730	1032 × 456 × 730	1032 × 456 × 730	1032 × 456 × 730
Connecting pipe	Net weight/Gross weight		kg	46/50	46/50	46/50	46/50
			mm	-	-	950 × 950 × 52	-
Loading quantity	Outdoor diameter	Liquid	inch(mm)	3/8"	3/8"	3/8"	3/8"
		Gas	inch(mm)	5/8"	5/8"	5/8"	5/8"
Max. distance	Height		m	25	25	25	25
		Length	m	30	30	30	30
Loading quantity	40'GP/40'HQ		unit	98/109	98/109	87/99	92/102

Model	Outdoor unit		GUD125W1/NH-B-X GUD125W1/NH-B-X(LCH)		GUD125W1/NH-B-S GUD125W1/NH-B-S(LCH)		GUD125W1/NH-B-X GUD125W1/NH-B-X(LCH)		GUD125W1/NH-B-S GUD125W1/NH-B-S(LCH)		GUD125W1/NH-B-X GUD125W1/NH-B-X(LCH)		GUD125W1/NH-B-S GUD125W1/NH-B-S(LCH)		GUD125W1/NH-B-X GUD125W1/NH-B-X(LCH)		GUD125W1/NH-B-S GUD125W1/NH-B-S(LCH)		
	Indoor unit		Duct(without water pump)				Duct(with water pump)				Cassette				Floor ceiling				
				GUD125PH1/B-S				GUD125PHS1/B-S				GUD125T1/B-S				GUD125ZD1/B-S			
Capacity	Cooling	kW	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	
		Btu/h	42500	42500	42500	42500	42500	42500	42500	42500	42500	42500	42500	42500	42500	42500	42500		
	Heating	kW	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	
		Btu/h	47800	47800	47800	47800	47800	47800	47800	47800	47800	47800	47800	47800	47800	47800	47800	47800	
EER /COP		W/W	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	3.21/3.78	
Power supply		V/Ph/Hz	380-415V 3N-50/60Hz	220-240V~50/60Hz	380-415V 3N-50/60Hz	220-240V~50/60Hz	380-415V 3N-50/60Hz	220-240V~50/60Hz	380-415V 3N-50/60Hz	220-240V~50/60Hz	380-415V 3N-50/60Hz	220-240V~50/60Hz	380-415V 3N-50/60Hz	220-240V~50/60Hz	380-415V 3N-50/60Hz	220-240V~50/60Hz	380-415V 3N-50/60Hz	220-240V~50/60Hz	
Power input	Cooling	kW	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	
	Heating	kW	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	
Current input	Cooling	A	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	
	Heating	A	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70	17.70	
Refrigerant charge volume		kg	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	
Indoor unit	Air flow volume	CFM	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	1294/1177/1059/883	
		m³/h	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	
		Pa	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	ESP	Rated	Pa	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	
		Range	Pa	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	0-160	
	Sound pressure level(SH/H/M/L)		dB(A)	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42	46/45/44/42
		Outline	mm	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260	1340 × 655 × 260
	Dimension (W × D × H)	Package	mm	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323	1568 × 770 × 323
		Net weight/Gross weight	kg	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48
	Panel	Dimension (W × D × H)	Outline	mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Package			mm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Net weight/Gross weight		kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Sound pressure level	dB(A)	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
Outdoor unit	Dimension (W × D × H)	Outline	mm	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	940 × 370 × 820	
		Package	mm	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	1033 × 697 × 886	
	Net weight/Gross weight	kg	79/86	79/86	79/86	79/86	79/86	79/86	79/86	79/86	79/86	79/86	79/86	79/86	79/86	79/86	79/86	79/86	
		Outdoor diameter	inch(mm)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)	3/8"(9.5)
Connecting pipe	Gas	inch(mm)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	5/8"(12.7)	
		Height	m	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
	Max. distance	m	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
Loading quantity	400P/40THQ	unit	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	

Model	Outdoor unit		SUZ140WT1196-B X SUZ140WT1196-B3 CLJH		SUZ140WT1196-B X SUZ140WT1196-B3 CLJH		SUZ140WT1196-B X SUZ140WT1196-B3 CLJH		SUZ140WT1196-B X SUZ140WT1196-B3 CLJH		SUZ140WT1196-B X SUZ140WT1196-B3 CLJH		SUZ140WT1196-B X SUZ140WT1196-B3 CLJH		
	Indoor unit		DUC200WT1196-B		DUC200WT1196-B		DUC200WT1196-B		DUC200WT1196-B		DUC200WT1196-B		DUC200WT1196-B		
Capacity	Cooling	1W	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	
		8Btu/h	47700	47700	47700	47700	47700	47700	47700	47700	47700	47700	47700	47700	
	Heating	1W	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	
		8Btu/h	54900	54900	54900	54900	54900	54900	54900	54900	54900	54900	54900	54900	
SEER /COP		W/W	3.04/3.64	3.04/3.64	3.04/3.64	3.04/3.64	3.04/3.64	3.04/3.64	3.04/3.64	3.04/3.64	3.04/3.64	3.04/3.64	3.04/3.64	3.04/3.64	
Power supply		V/Ph/Hz	220-240V 3N-50/60Hz	220-240V 3N-50/60Hz	220-240V 3N-50/60Hz	220-240V 3N-50/60Hz	220-240V 3N-50/60Hz	220-240V 3N-50/60Hz	220-240V 3N-50/60Hz	220-240V 3N-50/60Hz	220-240V 3N-50/60Hz	220-240V 3N-50/60Hz	220-240V 3N-50/60Hz	220-240V 3N-50/60Hz	
Power factor	Cooling	W/F	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	4.65	
	Heating	W/F	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	
Current /V/Hz	Cooling	A	7.30	22.00	7.30	22.00	7.30	22.00	7.30	22.00	7.30	22.00	7.30	22.00	
	Heating	A	7.00	21.00	7.00	21.00	7.00	21.00	7.00	21.00	7.00	21.00	7.00	21.00	
Refrigerant charge volume		kg	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	
Indoor unit	Air flow volume	CFM	1294/1177/1068/963	1294/1177/1068/963	1294/1177/1068/963	1294/1177/1068/963	1294/1177/1068/963	1294/1177/1068/963	1294/1177/1068/963	1294/1177/1068/963	1294/1177/1068/963	1294/1177/1068/963	1294/1177/1068/963	1294/1177/1068/963	
		m³/h	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600	2200/2000/1800/1600
	ESP	Pa	90	90	90	90	90	90	90	90	90	90	90	90	90
		mmHg	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
	Sound pressure level (dB(A))	dB(A)	30/25/20/16/12	30/25/20/16/12	30/25/20/16/12	30/25/20/16/12	30/25/20/16/12	30/25/20/16/12	30/25/20/16/12	30/25/20/16/12	30/25/20/16/12	30/25/20/16/12	30/25/20/16/12	30/25/20/16/12	30/25/20/16/12
	Dimension (W×D×H)	Outline	mm	1340×695×290	1340×695×290	1340×695×290	1340×695×290	1340×695×290	1340×695×290	1340×695×290	1340×695×290	1340×695×290	1340×695×290	1340×695×290	1340×695×290
		Package	mm	1568×770×323	1568×770×323	1568×770×323	1568×770×323	1568×770×323	1568×770×323	1568×770×323	1568×770×323	1568×770×323	1568×770×323	1568×770×323	1568×770×323
	Net weight/Gross weight	kg	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48	42/48
Panel	Dimension (W×D×H)	Outline	mm	-	-	-	-	-	-	-	-	-	-	-	
		Package	mm	-	-	-	-	-	-	-	-	-	-	-	
	Net weight/Gross weight	kg	-	-	-	-	-	-	-	-	-	-	-	-	
Sound pressure level	dB(A)	30	25	20	16	12	30	25	20	16	12	30	25	20	
Outdoor unit	Dimension (W×D×H)	Outline	mm	940×370×820	940×370×820	940×370×820	940×370×820	940×370×820	940×370×820	940×370×820	940×370×820	940×370×820	940×370×820	940×370×820	
		Package	mm	1093×497×885	1093×497×885	1093×497×885	1093×497×885	1093×497×885	1093×497×885	1093×497×885	1093×497×885	1093×497×885	1093×497×885	1093×497×885	
	Net weight/Gross weight	kg	70/86	70/86	70/86	70/86	70/86	70/86	70/86	70/86	70/86	70/86	70/86	70/86	
Connecting pipe	Outdoor diameter (Gas)	Liquid	inch/mm	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	
		Gas	inch/mm	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	
	Max. distance	Height	m	30	30	30	30	30	30	30	30	30	30	30	
		Length	m	75	75	75	75	75	75	75	75	75	75	75	
Loadng capacity	KTOP/AC/10KG	W/F	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	64/72	

Model	Outdoor unit		GUD180W1-FWB-S GUD180W1-FWB-SCU-LH	GUD180W1-FWB-S GUD180W1-FWB-SCU-LH	GUD180W1-FWB-S GUD180W1-FWB-SCU-LH	GUD180W1-FWB-S GUD180W1-FWB-SCU-LH	GUD180W1-FWB-S GUD180W1-FWB-SCU-LH	GUD180W1-FWB-S GUD180W1-FWB-SCU-LH	GUD180W1-FWB-S GUD180W1-FWB-SCU-LH
	Indoor unit		Duct/direct water pump		Duct/direct water pump		Cassette		Floor casing
			GUD160PH1-B-S		GUD160PH1-B-S		GUD160T1-B-S		GUD160ZB1-B-S
Capacity	Cooling	HP	18.0	18.0	18.0	18.0	15.4	15.4	18.0
		Btu/h	54500	54500	54500	54500	52900	52900	54500
	Heating	HP	18.0	18.0	18.0	18.0	17.0	17.0	18.0
		Btu/h	54500	54500	54500	54500	50800	50800	54500
EER /COP			WW	2.90/3.60	2.90/3.60	2.90/3.60	2.90/3.60	2.90/3.75	2.90/3.75
Power supply			V/Ph/Hz	380-415V 3N-50/60Hz	220-240V -50/60Hz	380-415V 3N-50/60Hz	220-240V -50/60Hz	380-415V 3N-50/60Hz	220-240V -50/60Hz
Power input	Cooling	kW	5.50	5.50	5.50	5.50	5.40	5.40	5.40
	Heating	kW	5.00	5.00	5.00	5.00	5.00	5.00	4.80
Current I/NH	Cooling	A	8.30	25.00	8.30	25.00	8.20	24.30	8.20
	Heating	A	7.60	22.80	7.60	22.80	7.60	22.80	7.30
Refrigerant charge volume			kg	2.50	2.50	2.50	2.00	2.00	2.50
Indoor unit	Air flow volume		CFM	1648/1471/1295/1038	1648/1471/1295/1038	1648/1471/1295/1038	1648/1471/1295/1038	1412/1260/1118/942	1412/1260/1118/942
			m ³ /h	2800/2500/2200/1800	2800/2500/2200/1800	2800/2500/2200/1800	2800/2500/2200/1800	2400/2200/1900/1600	2400/2200/1900/1600
	ESP	Rail	Pa	50	50	50	50	0	0
		Range	Pa	0-200	0-200	0-200	0-200	0	0
	Sound pressure level(SPL/MHL)		dBA	47/44/43/40	47/44/43/40	47/44/43/40	47/44/43/40	53/51/49/44	53/51/49/44
	Dimension (W×D×H)		mm	1800×700×300	1800×700×300	1800×700×300	1800×700×300	840×840×290	840×840×290
Panel	Package		mm	1801×913×365	1801×913×365	1801×913×365	1801×913×365	935×903×335	935×903×335
	Net weight/Gross weight		kg	52/59	52/59	53/60	53/60	29/32	29/32
	Dimension (W×D×H)	Outline	mm	-	-	-	-	990×950×52	990×950×52
		Package	mm	-	-	-	-	1033×1026×110	1033×1026×110
	Net weight/Gross weight		kg	-	-	-	-	6.0/6.5	6.0/6.5
	Sound pressure level		dBA	70	70	69	69	60	60
Outdoor unit	Dimension (W×D×H)		mm	840×370×820	840×370×820	840×370×820	840×370×820	840×370×820	840×370×820
	Package		mm	1093×497×885	1093×497×885	1093×497×885	1093×497×885	1093×497×885	1093×497×885
	Net weight/Gross weight		kg	83/90	73/80	83/90	73/80	83/90	73/80
	Connecting pipe								
Connecting pipe	Outer diameter	Liquid	inch/mm	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
		Gas	inch/mm	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Max. distance	Height	m	30	30	30	30	30	30
		Length	m	75	75	75	75	75	75
Loading quantity	40℃H40H2Q		unit	56/63	56/63	56/63	56/63	62/74	62/74

Control System Lineup

Controlling system	Model	Outlook	Duct	Cassette	Floor ceiling
Remote controller	YAP1F				
	YAP1F7				
Wired controller	XE7A-24/H				
Wired controller (WiFi)	XE7A-24/HC				
Wired controller	XE73-24/HC				
Wired controller	XE73-24/HC				
Duct unit LED panel (matched with remote controller)	JS13				
Access control	LE60-24/H1				
Centralized controller	CE52-24/F(C)				
Modbus gateway	ME50-00/EG(M)				
BACnet gateway	ME30-44/D2(B)				

NOTE:XE73-24/HC is under development. Please confirm the final specifications with the sales personnel.

Big Duct Type Unit



High Capacity Series

It is a kind of split system that can be connected with air duct to realize cooling/heating in subdivided area.



20/25/30kW



40/50/60kW*

*: If the capacity of outdoor unit is 40/50/60kW, two outdoor units are needed for the operation of one indoor unit.

Intelligent defrosting

Compact design

Comprehensive protection

Easier maintainability

Self-diagnosis

Wide operation range

Long connection pipe design

High efficiency

Washable filter

Inner groove copper

High ESP

Quality motor

°C/°F switch

Child lock

- » DC inverter for high efficiency and energy saving.
- » High static units for longer ducted runs.
- » ESP is up to 250Pa*.
- » Indoor fan can be adjusted according to the static pressure of air duct installed by customers*.

*: This function is only fit for 20~40kW product models.

Item	Nominal operating condition (temperature)				Operating range (temperature)
	Outdoor condition		Indoor condition		
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	
Cooling	35	24	27	19	-7~48
Heating	7	6	20	15	-15~24

Specifications

Model			FGR20Pd/ DNa-X	FGR25Pd/ DNa-X	FGR30Pd/ DNa-X	FGR40Pd/D(2)Na-X	FGR50Pd/D(2)Na-M	FGR60Pd/D(2)Na-M	
Capacity	Cooling	kW	20.0	25.0	30.0	40.0	50.0	60.0	
	Heating	kW	22.0	27.5	33.0	43.0	53.0	64.0	
EER		W/W	2.56	2.65	2.65	2.59	2.30	2.22	
COP		W/W	3.14	3.10	3.20	3.10	2.80	3.08	
Power supply		V/Ph/Hz	380-415V 3N-50/60Hz				380-415V 3N-50Hz		
Power input	Cooling	kW	7.80	9.44	11.30	15.45	21.70	27.00	
	Heating	kW	7.00	8.87	10.30	13.85	18.90	20.80	
Current input	Cooling	A	16.50	18.90	22.70	27.80	38.80	48.30	
	Heating	A	15.60	17.20	20.70	26.40	33.80	37.20	
Refrigerant charge volume		kg	6.4	8.0	9.5	6.4 × 2	8.0 × 2	9.5 × 2	
Indoor unit	Model		FGR20Pd/DNa-X(I)	FGR25Pd/DNa-X(I)	FGR30Pd/DNa-X(I)	FGR40Pd/D(2)Na-X(I)	FGR50Pd/D(2)Na-M(I)	FGR60Pd/D(2)Na-M(I)	
	Airflow volume	CFM	2177	2472	3060	4120	5297	6356	
		m³/h	3700	4200	5200	7000	9000	10800	
	ESP	Rated	Pa	120	120	120	120	160	
		Range	Pa	0-250	0-250	0-250	0-250	-	
	Sound pressure level		dB(A)	52	53	55	56	60	
	Dimension (W × D × H)	Outline	mm	1315 × 760 × 385	1520 × 840 × 450	1520 × 840 × 450	1690 × 900 × 650	1900 × 1100 × 700	1900 × 1100 × 850
		Package	mm	1578 × 883 × 472	1788 × 988 × 580	1788 × 988 × 580	1923 × 1153 × 850	2123 × 1493 × 900	2123 × 1493 × 1055
Net Weight/Gross weight		kg	82/104	99/134	105/145	165/210	255/330	270/350	
Outdoor unit	Model		FGR20Pd/DNa-X(O)	FGR25Pd/DNa-X(O)	FGR30Pd/DNa-X(O)	FGR20Pd/DNa-X(O) × 2	FGR25Pd/DNa-M(O) × 2	FGR30Pd/DNa-M(O) × 2	
	Sound pressure level		dB(A)	62	63	65	62*	63*	
	Dimension (W × D × H)	Outline	mm	940 × 320 × 1430	940 × 460 × 1615	940 × 460 × 1615	(940 × 320 × 1430) × 2	(940 × 460 × 1615) × 2	(940 × 460 × 1615) × 2
		Package	mm	1038 × 438 × 1580	1038 × 578 × 1765	1038 × 578 × 1765	(1038 × 438 × 1580) × 2	(1038 × 578 × 1765) × 2	(1038 × 578 × 1765) × 2
	Net weight/Gross weight		kg	120/130	146/162	175/190	(120/130) × 2	(155/168) × 2	(188/203) × 2
Connection pipe	Outer diameter	Liquid	Inch(mm)	3/8"(9.52)	3/8"(9.52)	1/2"(12.7)	3/8"(9.52) × 2	3/8"(9.52) × 2	1/2"(12.7) × 2
		Gas	Inch(mm)	3/4"(19.05)	7/8"(22.2)	1"(25.4)	3/4"(19.05) × 2	7/8"(22.2) × 2	1"(25.4) × 2
	Max. distance	Height	m	30	30	30	30	30	30
		Length	m	70	70	70	70	70	70
Loading quantity	20"GP/40"GP/40"HQ		set	15/35/41	12/28/28	12/28/28	8/16/16	4/10/10	4/10/10

* Single unit's noise value.

Control System Lineup

Control system		Product series	Duct split unit
Wired controller	XK46		●
	XE7A-24/H		○
	XE70-33/H		○
	JS13		○
	LE60-24/H1		○
Remote controller	YAP1F		○
MODBUS gateway	ME30-24/E7(M)		○
Centralized controller (up to 36 indoor units)	CE52-24/F(C)		○

Note:

● means standard, ○ means optional. Smart zone controller should be selected with the wired controller at the same time.



MULTI VRF

GMV6
GMV6 HR
GMV6 CP
GMV X (Heat Pump)
GMV X (Cooling Only Series)
GMV Mini Star
GMV Mini F
GMV5 Max
GMV5 Home
GMV Water
Indoor Units
Control System
Energy Recovery Ventilation
(ERV)

GMV6



Gree new generation modular all inverter VRF unit GMV6 adopts world-leading CAN+ communication technology, energy-saving technology, high-efficiency smart control and other innovative technologies. This unit is also with new generation smart management control solution as well as clean and healthy fresh air solution. It enables excellent energy conservation, comfort and stability.



- » Adopt high-efficiency EVI system design; the compressor matches with the complete unit perfectly;
- » Adopt new-type big air volume blade. The S-shaped trailing edge design effectively increase the work area of blade to greatly enhance the air volume;
- » Adopt new HPAC modular control method. It can smartly adjust the distribution method according to indoor load requirements to ensure the service life of the whole module and improve the overall energy efficiency;
- » Connect ERV or ERV+DX COIL to effectively remove particulate pollutant for improving indoor air quality;
- » Provide comprehensive solution of smart management system; it enables distributed networking for satisfying LAN and WAN; support Modbus, BACnet, KNX and multiple protocols;
- » Air-makeup enthalpy-adding compressor design is applied for stronger cooling and heating performance and wider operation range from -30°C~55°C;
- » Engineering design is more flexible. The external static pressure can reach 110Pa, up by 35%. The maximum number of connectable indoor units in a single system is 80, which is 25% greater than before. (If there are more than 80 indoor units, custom engineering design is required; 100 indoor units can be connected at the most in case of custom engineering design);
- » With compact unit body design, new generation 12HP model saves floor area by 29% compared with the last generation model;
- » New refrigerant and refrigeration oil circular design, and air-makeup enthalpy-adding circulation are adopted for better performances in high-temperature cooling and low-temperature heating and more reliable operation.

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	DB (°C)
Cooling	35	24	27	19	-15 ¹⁾ ~55 ²⁾
Heating	7	6	20	15	-30~24

*2: The maximum operation temperature of GMV-WM/G-X series is 52°C.

GMV6 Outdoor Unit Lineup (380-415V 3N~ 50/60Hz)

[illegible]

GMV6 Outdoor Unit Lineup (380-415V 3N~ 50/60Hz)

Model	GMV-224WM/H-X	GMV-280WM/H-X	GMV-335WM/H-X	GMV-400WM/H-X	GMV-450WM/H-X	GMV-504WM/H-X	GMV-560WM/H-X	GMV-615WM/H-X
GMV-224WM/H-X	●							
GMV-280WM/H-X		●						
GMV-335WM/H-X			●					
GMV-400WM/H-X				●				
GMV-450WM/H-X					●			
GMV-504WM/H-X						●		
GMV-560WM/H-X							●	
GMV-615WM/H-X								●
GMV-680WM/H-X		●		●				
GMV-730WM/H-X		●			●			
GMV-784WM/H-X		●				●		
GMV-840WM/H-X		●					●	
GMV-895WM/H-X		●						●
GMV-950WM/H-X			●					●
GMV-1015WM/H-X				●				●
GMV-1065WM/H-X					●			●
GMV-1119WM/H-X						●		●
GMV-1175WM/H-X							●	●
GMV-1230WM/H-X								●
GMV-1290WM/H-X		●			●		●	●
GMV-1345WM/H-X		●			●			●
GMV-1400WM/H-X			●		●			●
GMV-1455WM/H-X		●					●	●
GMV-1510WM/H-X		●						●
GMV-1565WM/H-X			●					●
GMV-1630WM/H-X				●				●
GMV-1680WM/H-X					●			●
GMV-1734WM/H-X						●		●
GMV-1790WM/H-X							●	●
GMV-1845WM/H-X								●
GMV-1905WM/H-X		●			●		●	●
GMV-1959WM/H-X		●				●	●	●
GMV-2015WM/H-X		●					●	●
GMV-2070WM/H-X		●					●	●
GMV-2125WM/H-X		●						●
GMV-2180WM/H-X			●					●
GMV-2245WM/H-X				●				●
GMV-2295WM/H-X					●			●
GMV-2349WM/H-X						●		●
GMV-2405WM/H-X							●	●
GMV-2460WM/H-X								●

GMV6 (380-415V 3N~ 50/60Hz)

Model	GMV-224WM/G-X	GMV-280WM/G-X	GMV-335WM/G-X	GMV-400WM/G-X	GMV-450WM/G-X
Capacity range	HP	8	10	12	14
Capacity	Cooling	kW	22.4	28.0	33.5
	Heating	kW	25.0	31.5	37.5
EER	W/W	4.78	4.52	4.35	4.17
COP	W/W	5.50	5.34	4.81	4.67
Power supply	V/Ph/Hz	380-415V 3N~ 50/60Hz			
Min. circuit/Max. fuse current	A	23.0/25.0	23.5/25.0	24.1/25.0	32.5/40.0
Power consumption	Cooling	kW	4.69	6.20	7.70
	Heating	kW	4.55	5.90	7.80
Maximum drive IDU NO.	unit	13	16	19	23
Refrigerant charge volume	kg	5.5	5.5	5.7	7.0
Sound pressure level	dB(A)	56	57	59	60
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7
	Gas	mm	Φ19.05	Φ22.2	Φ25.4
Dimension (W × D × H)	Outline	mm	930 × 775 × 1690	930 × 775 × 1690	930 × 775 × 1690
	Package	mm	1000 × 830 × 1855	1000 × 830 × 1855	1000 × 830 × 1855
Net weight/Gross weight	kg	215/225	215/225	220/230	290/305
Loading quantity	40' GP	unit	28	28	22
	40' HQ	unit	28	28	22

Model	GMV-504WM/G-X	GMV-560WM/G-X	GMV-615WM/G-X	GMV-680WM/G-X
Capacity range	HP	18	20	22
Capacity	Cooling	kW	50.4	56.0
	Heating	kW	56.5	63.0
EER	W/W	4.10	4.06	3.80
COP	W/W	4.38	4.34	4.08
Power supply	V/Ph/Hz	380-415V 3N~ 50/60Hz		
Min. circuit/Max. fuse current	A	47/50	48/50	49/50
Power consumption	Cooling	kW	12.30	13.80
	Heating	kW	12.90	14.52
Maximum drive IDU NO.	unit	29	33	36
Refrigerant charge volume	kg	8.0	8.0	8.3
Sound pressure level	dB(A)	61	62	63
Connecting pipe	Liquid	mm	Φ15.9	Φ15.9
	Gas	mm	Φ28.6	Φ28.6
Dimension (W × D × H)	Outline	mm	1340 × 775 × 1690	1340 × 775 × 1690
	Package	mm	1400 × 830 × 1855	1400 × 830 × 1855
Net weight/Gross weight	kg	295/310	350/365	355/370
Loading quantity	40' GP	unit	22	22
	40' HQ	unit	22	22



Model	GMV-224WM/H-X	GMV-280WM/H-X	GMV-335WM/H-X	GMV-400WM/H-X	GMV-450WM/H-X	GMV-504WM/H-X	GMV-560WM/H-X	GMV-615WM/H-X
Capacity range	HP	8	10	12	14	16	18	20
Cooling capacity	Rated *	kW	22.4	28.0	33.5	40.0	45.0	50.4
	Max.	kW	22.4	28.0	33.5	40.0	45.0	50.4
Heating capacity	Rated *	kW	22.4	28.0	33.5	40.0	45.0	50.4
	Max.	kW	25.0	31.5	37.5	45.0	50.4	56.0
SEER	Ducted *	-	7.10	6.66	6.31	6.75	6.24	5.97
	Cassette *	-	7.80	6.33	6.58	6.74	6.41	5.67
SCOP	Ducted *	-	4.62	4.80	4.40	4.80	4.84	4.19
	Cassette *	-	4.50	4.75	4.66	4.44	3.71	3.71
Power supply	V/Ph/Hz	380-415V 3N~ 50/60Hz						
Min. circuit/Max. Fuse current	A	23.0/25	23.5/25	24.1/25	37.5/40	39.3/40	47.0/50	48.0/50
Maximum drive IDU NO.	unit	13	16	19	23	26	29	33
Refrigerant charge volume	kg	5.5	5.5	7.5	7.5	7.5	8.3	8.3
Sound pressure level(Cooling)	dB(A)	56	57	59	59	60	61	62
Sound power level(Cooling)	Ducted *	dB(A)	80	84	86	90	93	93
	Cassette *	dB(A)	82	86	86	88	88	94
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9
	Gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6	Φ28.6
Dimension(W × D × H)	Outline	mm	930 × 775 × 1690	930 × 775 × 1690	930 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1690
	Package	mm	1000 × 830 × 1855	1000 × 830 × 1855	1000 × 830 × 1855	1400 × 830 × 1855	1400 × 830 × 1855	1400 × 830 × 1855
Net weight/Gross weight	kg	220/230	220/230	240/250	300/315	300/315	350/365	350/365
Loading quantity	20' GP	unit	12	12	12	10	10	10
	40' GP	unit	28	28	28	22	22	22
	40' HQ	unit	28	28	28	22	22	22

Note: The data is Eurovent certified.

Model	Power supply	Capacity		Power input		Dimension(W×D×H)	Airflow volume	ESP	Connecting pipe		Min.circuit current	Max. fuse current	Net weight
		Cooling	Heating	Cooling	Heating				Liquid	Gas			
		kW	kW	kW	kW				mm	mm			
GMV-735WM/G-X	380~415V 3N~ 50/60Hz	73.5	82.5	16.90	17.30	930×775×1690+ 1340×775×1690	11100+13500	110	Φ19.05	Φ31.8	24.1+32.5	25+40	220+290
GMV-785WM/G-X		78.5	87.5	18.50	18.50	930×775×1690+ 1340×775×1690	11100+15400	110	Φ19.05	Φ31.8	24.1+33.5	25+40	220+290
GMV-839WM/G-X		83.9	94.0	20.00	20.70	930×775×1690+ 1340×775×1690	11100+16000	110	Φ19.05	Φ31.8	24.1+47	25+50	220+295
GMV-895WM/G-X		89.5	100.5	22.40	22.80	930×775×1690+ 1340×775×1690	10500+16500	110	Φ19.05	Φ31.8	23.5+49	25+50	215+350
GMV-950WM/G-X		95.0	106.5	23.90	24.70	930×775×1690+ 1340×775×1690	11100+16500	110	Φ19.05	Φ31.8	24.1+49	25+50	220+350
GMV-1015WM/G-X		101.5	114.0	25.40	26.40	1340×775×1690+ 1340×775×1690	13500+16500	110	Φ19.05	Φ38.1	32.5+49	40+50	290+350
GMV-1064WM/G-X		106.4	119.5	26.10	27.42	1340×775×1690+ 1340×775×1690	16000+16500	110	Φ19.05	Φ38.1	47+48	50+50	295+350
GMV-1119WM/G-X		111.9	125.5	28.50	29.80	1340×775×1690+ 1340×775×1690	16000+16500	110	Φ19.05	Φ38.1	47+49	50+50	295+350
GMV-1175WM/G-X		117.5	132.0	30.00	31.42	1340×775×1690+ 1340×775×1690	1650+16500	110	Φ19.05	Φ38.1	48+49	50+50	350×2
GMV-1230WM/G-X		123.0	138.0	32.40	33.80	1340×775×1690+ 1340×775×1690	16500+16500	110	Φ19.05	Φ38.1	49+49	50+50	350×2
GMV-1295WM/G-X		129.5	145.5	36.70	37.00	1340×775×1690+ 1340×775×1690	16500+18350	110	Φ19.05	Φ38.1	49+49	50+50	350+355
GMV-1360WM/G-X		136.0	153.0	41.00	40.20	1340×775×1690+ 1340×775×1690	18350×2	110	Φ19.05	Φ41.3	49+49	50+50	355×2
GMV-1399WM/G-X		139.9	157.0	33.80	35.22	930×775×1690+ (1340×775×1690)×2	11100+ 16000+16500	110	Φ19.05	Φ41.3	24.1+47+48	25+50+50	220+295+350
GMV-1455WM/G-X		145.5	163.5	36.20	37.32	930×775×1690+ (1340×775×1690)×2	10500+16500×2	110	Φ19.05	Φ41.3	23.5+48+49	25+50+50	215+350×2
GMV-1510WM/G-X		151.0	169.5	38.60	39.70	930×775×1690+ (1340×775×1690)×2	10500+16500×2	110	Φ19.05	Φ41.3	23.5+49+49	25+50+50	215+350×2
GMV-1565WM/G-X		156.5	175.5	40.10	41.60	930×775×1690+ (1340×775×1690)×2	11100+16500×2	110	Φ19.05	Φ41.3	24.1+49+49	25+50+50	220+350×2
GMV-1623WM/G-X		162.3	182.0	40.80	42.70	(1340×775×1690)×3	16000×2+16500	110	Φ19.05	Φ41.3	47+47+49	50+50+50	295×2+350
GMV-1679WM/G-X		167.9	188.5	42.30	44.32	(1340×775×1690)×3	16000+16500×2	110	Φ19.05	Φ41.3	47+48+49	50+50+50	295+350×2
GMV-1734WM/G-X		173.4	194.5	44.70	46.70	(1340×775×1690)×3	16000+16500×2	110	Φ19.05	Φ41.3	47+49+49	50+50+50	295+350×2
GMV-1790WM/G-X		179.0	201.0	46.20	48.32	(1340×775×1690)×3	16500×3	110	Φ19.05	Φ41.3	48+49+49	50+50+50	350×3
GMV-1845WM/G-X		184.5	207.0	48.60	50.70	(1340×775×1690)×3	16500×3	110	Φ19.05	Φ41.3	49+49+49	50+50+50	350×3
GMV-1910WM/G-X		191.0	214.5	52.90	53.90	(1340×775×1690)×3	16500×2+18350	110	Φ22.2	Φ44.5	49+49+49	50+50+50	350×2+355
GMV-1975WM/G-X		197.5	222.0	57.20	57.10	(1340×775×1690)×3	16500+18350×2	110	Φ22.2	Φ44.5	49+49+49	50+50+50	350+355×2
GMV-2040WM/G-X		204.0	229.5	61.50	60.30	(1340×775×1690)×3	18350×3	110	Φ22.2	Φ44.5	49+49+49	50+50+50	355×3
GMV-2069WM/G-X		206.9	232.0	52.40	54.50	930×775×1690+ (1340×775×1690)×3	11100+ 16000+16500×2	110	Φ22.2	Φ44.5	24.1+47+49+49	25+50+50+50	220+295+350×2
GMV-2129WM/G-X		212.9	238.5	53.10	55.02	(1340×775×1690)×4	15400+ 16000+16500×2	110	Φ22.2	Φ44.5	33.5+47+48+49	40+50+50+50	290+295+350×2
GMV-2190WM/G-X		219.0	246.0	55.40	57.82	(1340×775×1690)×4	13500+16500×3	110	Φ22.2	Φ44.5	32.5+48+49+49	40+50+50+50	290+350×3
GMV-2245WM/G-X		224.5	252.0	57.80	60.20	(1340×775×1690)×4	13500+16500×3	110	Φ22.2	Φ44.5	32.5+49+49+49	40+50+50+50	290+350×3
GMV-2295WM/G-X		229.5	258.0	57.60	60.46	(1340×775×1690)×4	16500×4	110	Φ22.2	Φ44.5	48+48+48+49	50+50+50+50	350×4
GMV-2350WM/G-X		235.0	264.0	60.00	62.84	(1340×775×1690)×4	16500×4	110	Φ22.2	Φ44.5	48+48+49+49	50+50+50+50	350×4
GMV-2414WM/G-X		241.4	271.0	65.20	66.80	(1340×775×1690)×4	16000+ 16500×2+18350	110	Φ22.2	Φ44.5	47+49+49+49	50+50+50+50	295+350×3
GMV-2470WM/G-X		247.0	277.5	66.70	68.42	(1340×775×1690)×4	16500×3+18350	110	Φ22.2	Φ44.5	48+49+49+49	50+50+50+50	350×3+355
GMV-2525WM/G-X		252.5	283.5	69.10	70.80	(1340×775×1690)×4	16500×3+18350	110	Φ22.2	Φ44.5	49+49+49+49	50+50+50+50	350×3+355
GMV-2590WM/G-X		259.0	291.0	73.40	74.00	(1340×775×1690)×4	16500×2+18350×2	110	Φ22.2	Φ44.5	49+49+49+49	50+50+50+50	350×2+355×2
GMV-2655WM/G-X		265.5	298.5	77.70	77.20	(1340×775×1690)×4	16500+18350×3	110	Φ22.2	Φ44.5	49+49+49+49	50+50+50+50	350+355×3
GMV-2720WM/G-X		272.0	306.0	82.00	80.40	(1340×775×1690)×4	18350×4	110	Φ22.2	Φ44.5	49+49+49+49	50+50+50+50	355×4

Note: The combination models of the outdoor units are not Eurovent certified.

Specifications of ODU Combinations

Model	Power Supply	Capacity		Dimension (W×D×H)	Airflow Volume	ESP	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
		Cooling capacity	Heating capacity				Liquid	Gas			
GMV-680WM/H-X	380-415V 3N-50/60Hz	68.0	76.5	930×775×1690 +1340×775×1690	10500+13500	110	Φ15.9	Φ28.6	23.5+37.5	25+40	220+300
GMV-730WM/H-X		73.0	81.5	930×775×1690 +1340×775×1690	10500+15400	110	Φ19.05	Φ31.8	23.5+39.3	25+40	220+300
GMV-784WM/H-X		78.4	88.0	930×775×1690 +1340×775×1690	10500+16000	110	Φ19.05	Φ31.8	23.5+47	25+50	220+350
GMV-840WM/H-X		84.0	94.5	930×775×1690 +1340×775×1690	10500+16500	110	Φ19.05	Φ31.8	23.5+48	25+50	220+350
GMV-895WM/H-X		89.5	100.5	930×775×1690 +1340×775×1690	10500+16500	110	Φ19.05	Φ31.8	23.5+49	25+50	220+355
GMV-950WM/H-X		95.0	106.5	930×775×1690 +1340×775×1690	11100+16500	110	Φ19.05	Φ31.8	24.1+49	25+50	240+355
GMV-1015WM/H-X		101.5	114.0	(1340×775×1690)×2	13500+16500	110	Φ19.05	Φ38.1	37.5+49	40+50	300+355
GMV-1065WM/H-X		106.5	119.0	(1340×775×1690)×2	15400+16500	110	Φ19.05	Φ38.1	39.3+49	40+50	300+355
GMV-1119WM/H-X		111.9	125.5	(1340×775×1690)×2	16000+16500	110	Φ19.05	Φ38.1	47+49	50+50	350+355
GMV-1175WM/H-X		117.5	132.0	(1340×775×1690)×2	16500×2	110	Φ19.05	Φ38.1	48+49	50+50	350+355
GMV-1230WM/H-X		123.0	138.0	(1340×775×1690)×2	16500×2	110	Φ19.05	Φ38.1	49+49	50+50	355×2
GMV-1290WM/H-X		129.0	144.5	930×775×1690+ (1340×775×1690)×2	10500+ 15400+16500	110	Φ19.05	Φ38.1	23.5+39.3+48	25+40+50	220+300+350
GMV-1345WM/H-X		134.5	150.5	930×775×1690+ (1340×775×1690)×2	10500+ 15400+16500	110	Φ19.05	Φ38.1	23.5+39.3+49	25+40+50	220+300+355
GMV-1400WM/H-X		140.0	156.5	930×775×1690+ (1340×775×1690)×2	11100+ 15400+16500	110	Φ19.05	Φ41.3	24.1+39.3+49	25+40+50	240+300+355
GMV-1455WM/H-X		145.5	163.5	930×775×1690+ (1340×775×1690)×2	10500+16500×2	110	Φ19.05	Φ41.3	23.5+48+49	25+50+50	220+350+355
GMV-1510WM/H-X		151.0	169.5	930×775×1690+ (1340×775×1690)×2	10500+16500×2	110	Φ19.05	Φ41.3	23.5+49+49	25+50+50	220+355×2
GMV-1565WM/H-X		156.5	175.5	930×775×1690+ (1340×775×1690)×2	11100+16500×2	110	Φ19.05	Φ41.3	24.1+49+49	25+50+50	240+355×2
GMV-1630WM/H-X		163.0	183.0	(1340×775×1690)×3	13500+16500×2	110	Φ19.05	Φ41.3	37.5+49+49	40+50+50	300+355×2
GMV-1680WM/H-X		168.0	188.0	(1340×775×1690)×3	15400+16500×2	110	Φ19.05	Φ41.3	39.3+49+49	40+50+50	300+355×2
GMV-1734WM/H-X		173.4	194.5	(1340×775×1690)×3	16000+16500×2	110	Φ19.05	Φ41.3	47+49+49	50+50+50	350+355×2
GMV-1790WM/H-X		179.0	201.0	(1340×775×1690)×3	16500×3	110	Φ19.05	Φ41.3	48+49+49	50+50+50	350+355×2
GMV-1845WM/H-X		184.5	207.0	(1340×775×1690)×3	16500×3	110	Φ19.05	Φ41.3	49+49+49	50+50+50	355×3
GMV-1905WM/H-X		190.5	213.5	930×775×1690+ (1340×775×1690)×3	10500+15400 +16500×2	110	Φ22.2	Φ44.5	23.5+39.3+48+49	25+40+50+50	220+300+350+355
GMV-1959WM/H-X		195.9	220.0	930×775×1690+ (1340×775×1690)×3	10500+16000 +16500×2	110	Φ22.2	Φ44.5	23.5+47+48+49	25+50+50+50	220+350×2+355
GMV-2015WM/H-X		201.5	226.5	930×775×1690+ (1340×775×1690)×3	10500+16500×3	110	Φ22.2	Φ44.5	23.5+48+48+49	25+50+50+50	220+350×2+355
GMV-2070WM/H-X		207.0	232.5	930×775×1690+ (1340×775×1690)×3	10500+16500×3	110	Φ22.2	Φ44.5	23.5+48+49+49	25+50+50+50	220+350+355×2
GMV-2125WM/H-X		212.5	238.5	930×775×1690+ (1340×775×1690)×3	10500+16500×3	110	Φ22.2	Φ44.5	23.5+49+49+49	25+50+50+50	220+355×3
GMV-2180WM/H-X		218.0	244.5	930×775×1690+ (1340×775×1690)×3	11100+16500×3	110	Φ22.2	Φ44.5	24.1+49+49+49	25+50+50+50	240+355×3
GMV-2245WM/H-X		224.5	252.0	(1340×775×1690)×4	13500+16500×3	110	Φ22.2	Φ44.5	37.5+49+49+49	40+50+50+50	300+355×3
GMV-2295WM/H-X		229.5	257.0	(1340×775×1690)×4	15400+16500×3	110	Φ22.2	Φ44.5	39.3+49+49+49	40+50+50+50	300+355×3
GMV-2349WM/H-X	234.9	263.5	(1340×775×1690)×4	16000+16500×3	110	Φ22.2	Φ44.5	47+49+49+49	50+50+50+50	350+355×3	
GMV-2405WM/H-X	240.5	270.0	(1340×775×1690)×4	16500×4	110	Φ22.2	Φ44.5	48+49+49+49	50+50+50+50	350+355×3	
GMV-2460WM/H-X	246.0	276.0	(1340×775×1690)×4	16500×4	110	Φ22.2	Φ44.5	49+49+49+49	50+50+50+50	355×4	

GMV6 HR



GMV6 HR Series integrates multiple functions of cooling, heating, water heating, floor heating and heat supply, featuring powerful functions and convenient operation. It adopts DC inverter enthalpy-adding compressor and brand new high-efficiency heat exchanger, to achieve -25°C ultra-low ambient temperature heating, continuous heating and other functions for more energy savings and higher energy efficiency.



- » The indoor unit can perform cooling and heating simultaneously, as well as water heating and floor heating functions;
- » -25°C ultra-low ambient temperature heating can be achieved;
- » Outdoor unit capacity ranges from 8HP to 22HP with maximum combination capacity of 88HP, meeting various engineering demands;
- » One unit with multiple functions of cooling, heating, water heating, floor heating and heat supply, meeting various demands of the customers;
- » Continuous heating function is available to further improve the comfort and energy efficiency of the unit;
- » High-efficiency enthalpy-adding DC inverter compressor and high-efficiency DC motor are adopted. Energy efficiency reaches 9.0 under heat recovery status;
- » Strong low-temperature injection technology and integrated aluminum electric control and high-efficiency radiation design are adopted, achieving operation in wide ambient temperature range from -25°C~55°C;
- » Outdoor static pressure is up to 110Pa, reducing engineering application requirement and making equipment floor design more convenient;
- » It can match with the new generation mode exchange unit. The compact structure design reduces the size by 20% in maximum. Meanwhile, pipe port design with flexible diameters is adopted for more convenient installation.



Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	
Cooling	35	24	27	19	-10~55
Heating	7	6	20	15	-25~24

Mode Exchange Unit

Model	Product Outlook
NCHS1D	
NCHS2D	
NCHS4D	
NCHS8D	

Hydro Box

Model	Product Outlook
NRQR16L/A-T	
NRQR30L/A-T	

Outdoor Unit (380-415V 3N~50/60Hz)

Model		GMV-VQ224WM/C-X	GMV-VQ280WM/C-X	GMV-VQ335WM/C-X	GMV-VQ400WM/C-X	GMV-VQ450WM/C-X	GMV-VQ504WM/C-X	GMV-VQ560WM/C-X	GMV-VQ615WM/C-X
Capacity range	HP	8	10	12	14	16	18	20	22
Cooling capacity	Rated *	kW	22.4	28.0	33.5	40.0	45.0	50.4	52.0
	Max.	kW	22.4	28.0	33.5	40.0	45.0	50.4	51.5
Heating capacity	Rated *	kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	kW	25.0	31.5	37.5	45.0	50.0	56.5	69.0
SEER	Ducted *	-	7.00	6.76	6.61	6.97	6.53	6.54	6.32
	Cassette *	-	7.25	6.49	6.73	6.25	6.22	6.78	6.36
SCOP	Ducted *	-	4.32	4.57	4.74	4.44	4.41	4.25	4.15
	Cassette *	-	4.29	4.43	4.37	4.44	4.50	4.34	4.34
Power supply	V/Ph/Hz	380-415V 3N~ 50/60Hz							
Min.circuit/Max. fuse current	A	23.0/25	23.5/25	24.1/25	37.5/40	39.3/40	47.0/50	48.0/50	49.0/50
Max. drive IDU NO.	unit	13	16	19	23	26	29	33	36
Refrigerant charge volume	kg	8.2	8.5	9.6	11.1	11.6	12.8	12.8	13.3
Sound pressure level(Cooling)	dB(A)	60	61	63	63	63	63	63	64
Sound power level(Cooling)	Ducted	dB(A)	80	82	84	91	91	88	88
	Cassette	dB(A)	80	84	86	87	94	87	89
	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9
Connecting pipe	High pressure gas	mm	Φ15.9	Φ19.05	Φ19.05	Φ22.2	Φ22.2	Φ25.4	Φ25.4
	Low pressure gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6	Φ28.6	Φ28.6
Dimension (W × D × H)	Outline	mm	930 × 775 × 1690	930 × 775 × 1690	930 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1690	1340 × 775 × 1690
	Package	mm	1000 × 830 × 1855	1000 × 830 × 1855	1000 × 830 × 1855	1400 × 830 × 1855	1400 × 830 × 1855	1400 × 830 × 1855	1400 × 830 × 1855
Net weight/Gross weight	kg	243/253	243/253	256/266	325/340	325/340	385/400	385/400	385/400
Loading quantity	40' GP	set	28	28	28	22	22	22	22
	40' HQ	set	28	28	28	22	22	22	22

Note: The data is Eurovent certified.

Mode Exchange Unit

Model			NCHS1D	NCHS2D	NCHS4D	NCHS8D	
Number of branches		unit	1	2	4	8	
Max. number of connectable IDUs	Per branch	unit	8	8	8	8	
	Total	unit	8	16	32	64	
Max. capacity of connectable IDUs	Per branch	kW	16	16	16	16	
	Total	kW	16	28	45	85	
Power supply		V/Ph/Hz	220-240V ~ 50/60Hz				
Power consumption		Cooling	W	14	25	32	90
		Heating	W	14	25	32	90
Piping connections	Outdoor units	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ15.9
		High pressure gas	mm	Φ19.05	Φ19.05	Φ22.2	Φ22.2
		Low pressure gas	mm	Φ22.2	Φ22.2	Φ28.6	Φ28.6
	Indoor units	Liquid	mm	Φ6.35/9.52	Φ6.35/9.52	Φ6.35/9.52	Φ6.35/9.52
		Gas	mm	Φ12.7/15.9	Φ12.7/15.9	Φ12.7/15.9	Φ12.7/15.9
Dimension(W × D × H)		Outline	mm	340 × 388 × 250	340 × 388 × 250	460 × 388 × 250	784 × 388 × 250
		Package	mm	863 × 624 × 298	863 × 624 × 298	979 × 624 × 303	1300 × 624 × 288
Net weight/Gross weight		kg	12/17.5	14.5/20.5	20.6/27	33/42	

Hydro Box

Model				NRQR16L/A-T	NRQR30L/A-T
Floor heating capacity		kW		16	30
Hot water heating capacity		kW		4.5 (3.6~16)	4.5 (3.6~30)
Power supply		V/Ph/Hz		220-240V ~ 50Hz & 208-230V ~ 60Hz	220-240V ~ 50Hz & 208-230V ~ 60Hz
Connecting pipe diameter	to exchange unit	Gas	mm	15.9	22.2
		Liquid	mm	9.52	9.52
	to water tank		mm	25	25
Rated water flow		L/min		46	86
Dimension(W×D×H)	Outling	mm	515×330×606		
	Package	mm	685×473×657		
Net/Gross weight		kg		36/42	40/47
Loading quantity		40' GP/40' HQ	set	252/336	252/336

GMV6 HR Outdoor Units Lineup

Model	GMV-VQ224WM/C-X	GMV-VQ280WM/C-X	GMV-VQ335WM/C-X	GMV-VQ400WM/C-X	GMV-VQ450WM/C-X	GMV-VQ504WM/C-X	GMV-VQ560WM/C-X	GMV-VQ615WM/C-X
GMV-VQ224WM/C-X	●							
GMV-VQ280WM/C-X		●						
GMV-VQ335WM/C-X			●					
GMV-VQ400WM/C-X				●				
GMV-VQ450WM/C-X					●			
GMV-VQ504WM/C-X						●		
GMV-VQ560WM/C-X							●	
GMV-VQ615WM/C-X								●
GMV-VQ680WM/C-X		●		●				
GMV-VQ730WM/C-X		●			●			
GMV-VQ784WM/C-X		●				●		
GMV-VQ840WM/C-X		●					●	
GMV-VQ895WM/C-X		●						●
GMV-VQ950WM/C-X			●					●
GMV-VQ1015WM/C-X				●				●
GMV-VQ1065WM/C-X					●			●
GMV-VQ1119WM/C-X						●		●
GMV-VQ1175WM/C-X							●	●
GMV-VQ1230WM/C-X								●●
GMV-VQ1290WM/C-X		●			●			●
GMV-VQ1345WM/C-X		●			●			●
GMV-VQ1400WM/C-X			●		●			●
GMV-VQ1455WM/C-X		●					●	●
GMV-VQ1510WM/C-X		●						●●
GMV-VQ1565WM/C-X			●					●●
GMV-VQ1630WM/C-X				●				●●
GMV-VQ1680WM/C-X					●			●●
GMV-VQ1734WM/C-X						●		●●
GMV-VQ1790WM/C-X							●	●●
GMV-VQ1845WM/C-X								●●●
GMV-VQ1905WM/C-X		●			●			●
GMV-VQ1959WM/C-X		●				●		●
GMV-VQ2015WM/C-X		●					●●	●
GMV-VQ2070WM/C-X		●					●	●●
GMV-VQ2125WM/C-X		●						●●●
GMV-VQ2180WM/C-X			●					●●●
GMV-VQ2245WM/C-X				●				●●●
GMV-VQ2295WM/C-X					●			●●●
GMV-VQ2349WM/C-X						●		●●●
GMV-VQ2405WM/C-X							●	●●●
GMV-VQ2460WM/C-X								●●●●

GMV6 HR (380-415V 3N~50/60Hz)

Model	Power supply	Capacity		Dimension (W×D×H)	Airflow volume	ESP	Connecting pipe			Min. circuit current	Max. fuse current	Net weight
		Cooling capacity	Heating capacity				Liquid	HP gas	LP gas			
GMV-VQ680WM/C-X	380-415V 3N~50/60 Hz	68.0	76.5	930×775×1690+ 1340×775×1690	10500+13500	110	Φ15.9	Φ25.4	Φ28.6	23.5+37.5	25+40	243+325
GMV-VQ730WM/C-X		73.0	81.5	930×775×1690+ 1340×775×1690	10500+15400	110	Φ19.05	Φ28.6	Φ31.8	23.5+39.3	25+40	243+325
GMV-VQ784WM/C-X		78.4	88.0	930×775×1690+ 1340×775×1690	10500+16000	110	Φ19.05	Φ28.6	Φ31.8	23.5+47	25+50	243+385
GMV-VQ840WM/C-X		84.0	94.5	930×775×1690+ 1340×775×1690	10500+16500	110	Φ19.05	Φ28.6	Φ31.8	23.5+48	25+50	243+385
GMV-VQ895WM/C-X		89.5	100.5	930×775×1690+ 1340×775×1690	10500+16500	110	Φ19.05	Φ28.6	Φ31.8	23.5+49	25+50	243+385
GMV-VQ950WM/C-X		95.0	106.5	930×775×1690+ 1340×775×1690	11100+16500	110	Φ19.05	Φ28.6	Φ31.8	24.1+49	25+50	256+385
GMV-VQ1015WM/C-X		101.5	114.0	(1340×775×1690)×2	13500+16500	110	Φ19.05	Φ31.8	Φ38.1	37.5+49	40+50	325+385
GMV-VQ1065WM/C-X		106.5	119.0	(1340×775×1690)×2	15400+16500	110	Φ19.05	Φ31.8	Φ38.1	39.3+49	40+50	325+385
GMV-VQ1119WM/C-X		111.9	125.5	(1340×775×1690)×2	16000+16500	110	Φ19.05	Φ31.8	Φ38.1	47+49	50+50	385×2
GMV-VQ1175WM/C-X		117.5	132.0	(1340×775×1690)×2	16500×2	110	Φ19.05	Φ31.8	Φ38.1	48+49	50+50	385×2
GMV-VQ1230WM/C-X		123.0	138.0	(1340×775×1690)×2	16500×2	110	Φ19.05	Φ31.8	Φ38.1	49+49	50+50	385×2
GMV-VQ1290WM/C-X		129.0	144.5	930×775×1690+ (1340×775×1690)×2	10500+15400 +16500	110	Φ19.05	Φ31.8	Φ38.1	23.5+39.3+48	25+40+50	243+325+385
GMV-VQ1345WM/C-X		134.5	150.5	930×775×1690+ (1340×775×1690)×2	10500+15400 +16500	110	Φ19.05	Φ31.8	Φ38.1	23.5+39.3+49	25+40+50	243+325+385
GMV-VQ1400WM/C-X		140.0	156.5	930×775×1690+ (1340×775×1690)×2	11100+15400+16500	110	Φ19.05	Φ38.1	Φ41.3	24.1+39.3+49	25+40+50	256+325+385
GMV-VQ1455WM/C-X		145.5	163.5	930×775×1690+ (1340×775×1690)×2	10500+16500×2	110	Φ19.05	Φ38.1	Φ41.3	23.5+48+49	25+50+50	243+385×2
GMV-VQ1510WM/C-X		151.0	169.5	930×775×1690+ (1340×775×1690)×2	10500+16500×2	110	Φ19.05	Φ38.1	Φ41.3	23.5+49+49	25+50+50	243+385×2
GMV-VQ1565WM/C-X		156.5	175.5	930×775×1690+ (1340×775×1690)×2	11100+16500×2	110	Φ19.05	Φ38.1	Φ41.3	24.1+49+49	25+50+50	256+385×2
GMV-VQ1630WM/C-X		163.0	183.0	(1340×775×1690)×3	13500+16500×2	110	Φ19.05	Φ38.1	Φ41.3	37.5+49+49	40+50+50	325+385×2
GMV-VQ1680WM/C-X		168.0	188.0	(1340×775×1690)×3	15400+16500×2	110	Φ19.05	Φ38.1	Φ41.3	39.3+49+49	40+50+50	325+385×2
GMV-VQ1734WM/C-X		173.4	194.5	(1340×775×1690)×3	16000+16500×2	110	Φ19.05	Φ38.1	Φ41.3	47+49+49	50+50+50	385×3
GMV-VQ1790WM/C-X		179.0	201.0	(1340×775×1690)×3	16500×3	110	Φ19.05	Φ38.1	Φ41.3	48+49+49	50+50+50	385×3
GMV-VQ1845WM/C-X		184.5	207.0	(1340×775×1690)×3	16500×3	110	Φ19.05	Φ38.1	Φ41.3	49+49+49	50+50+50	385×3
GMV-VQ1905WM/C-X		190.5	213.5	930×775×1690+ (1340×775×1690)×3	10500+15400 +16500×2	110	Φ22.2	Φ41.3	Φ44.5	23.5+39.3+48+49	25+40+50+50	243+325 +385×2
GMV-VQ1959WM/C-X		195.9	220.0	930×775×1690+ (1340×775×1690)×3	10500+16000 +16500×2	110	Φ22.2	Φ41.3	Φ44.5	23.5+47+48+49	25+50+50+50	243+385×3
GMV-VQ2015WM/C-X		201.5	226.5	930×775×1690+ (1340×775×1690)×3	10500+16500×3	110	Φ22.2	Φ41.3	Φ44.5	23.5+48+48+49	25+50+50+50	243+385×3
GMV-VQ2070WM/C-X		207.0	232.5	930×775×1690+ (1340×775×1690)×3	10500+16500×3	110	Φ22.2	Φ41.3	Φ44.5	23.5+48+49+49	25+50+50+50	243+385×3
GMV-VQ2125WM/C-X		212.5	238.5	930×775×1690+ (1340×775×1690)×3	10500+16500×3	110	Φ22.2	Φ41.3	Φ44.5	23.5+49+49+49	25+50+50+50	243+385×3
GMV-VQ2180WM/C-X		218.0	244.5	930×775×1690+ (1340×775×1690)×3	11100+16500×3	110	Φ22.2	Φ41.3	Φ44.5	24.1+49+49+49	25+50+50+50	256+385×3
GMV-VQ2245WM/C-X		224.5	252.0	(1340×775×1690)×4	13500+16500×3	110	Φ22.2	Φ41.3	Φ44.5	37.5+49+49+49	40+50+50+50	325+385×3
GMV-VQ2295WM/C-X		229.5	257.0	(1340×775×1690)×4	15400+16500×3	110	Φ22.2	Φ41.3	Φ44.5	39.3+49+49+49	40+50+50+50	325+385×3
GMV-VQ2349WM/C-X		234.9	263.5	(1340×775×1690)×4	16000+16500×3	110	Φ22.2	Φ41.3	Φ44.5	47+49+49+49	50+50+50+50	385×4
GMV-VQ2405WM/C-X		240.5	270.0	(1340×775×1690)×4	16500×4	110	Φ22.2	Φ41.3	Φ44.5	48+49+49+49	50+50+50+50	385×4
GMV-VQ2460WM/C-X		246.0	276.0	(1340×775×1690)×4	16500×4	110	Φ22.2	Φ41.3	Φ44.5	49+49+49+49	50+50+50+50	385×4

Note: The combination models of the outdoor units are not Eurovent certified.

GMV6 CP



DC Inverter Multi VRF Unit (R410A, Inverter)

Gree new generation modular all inverter VRF unit GMV6 adopts world-leading CAN+ communication technology, energy-saving technology, high-efficiency smart control and other innovative technologies. This unit is also with new generation smart management control solution as well as clean and healthy fresh air solution. It enables excellent energy conservation, comfort and stability.



Energy saving function



High efficiency



Easier maintainability



Wide operation range



Black fin condenser



Centralized control



Long-distance monitoring



High ESP



Long connection pipe design



Intelligent defrosting



Modular operating



Comprehensive protection



Auto addressing technology



All DC inverter technology

- » Adopt high-efficiency EVI system design; the compressor matches with the complete unit perfectly;
- » Adopt new-type big air volume blade. The S-shaped trailing edge design effectively increase the work area of blade to greatly enhance the air volume;
- » Adopt new HPAC modular control method. It can smartly adjust the distribution method according to indoor load requirements to ensure the service life of the whole module and improve the overall energy efficiency;
- » Connect ERV or ERV+DX COIL to effectively remove particulate pollutant for improving indoor air quality;
- » Provide comprehensive solution of smart management system; it enables distributed networking for satisfying LAN and WAN; support Modbus, BACnet, KNX and multiple protocols;
- » Air-makeup enthalpy-adding compressor design is applied for stronger cooling and heating performance and wider operation range from -30°C~55°C;
- » Engineering design is more flexible. The external static pressure can reach 110Pa, up by 35%. The maximum number of connectable indoor units in a single system is 80, which is 25% greater than before. (If there are more than 80 indoor units, custom engineering design is required; 100 indoor units can be connected at the most in case of custom engineering design);
- » With compact unit body design, new generation 12HP model saves floor area by 29% compared with the last generation model;
- » New refrigerant and refrigeration oil circular design, and air-makeup enthalpy-adding circulation are adopted for better performances in high-temperature cooling and low-temperature heating and more reliable operation.



*1: Cooling at -15~-5°C is conditional. Please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.

GMV6 CP Outdoor Unit Lineup (380-415V 3N~ 50/60Hz)

HP	Model	GMV-224WM/H1-X	GMV-280WM/H1-X	GMV-335WM/H1-X	GMV-400WM/H1-X	GMV-450WM/H1-X	GMV-504WM/H1-X	GMV-560WM/H1-X	GMV-615WM/H1-X
8	GMV-224WM/H1-X	●							
10	GMV-280WM/H1-X		●						
12	GMV-335WM/H1-X			●					
14	GMV-400WM/H1-X				●				
16	GMV-450WM/H1-X					●			
18	GMV-504WM/H1-X						●		
20	GMV-560WM/H1-X							●	
22	GMV-615WM/H1-X								●
24	GMV-680WM/H1-X		●		●				
26	GMV-730WM/H1-X		●			●			
28	GMV-784WM/H1-X		●				●		
30	GMV-840WM/H1-X		●					●	
32	GMV-895WM/H1-X		●						●
34	GMV-950WM/H1-X			●					●
36	GMV-1015WM/H1-X				●				●
38	GMV-1065WM/H1-X					●			●
40	GMV-1119WM/H1-X						●		●
42	GMV-1175WM/H1-X							●	●
44	GMV-1230WM/H1-X								●
46	GMV-1290WM/H1-X		●			●		●	●
48	GMV-1345WM/H1-X		●			●			●
50	GMV-1400WM/H1-X			●		●			●
52	GMV-1455WM/H1-X		●					●	●
54	GMV-1510WM/H1-X		●						●
56	GMV-1565WM/H1-X			●					●
58	GMV-1630WM/H1-X				●				●
60	GMV-1680WM/H1-X					●			●
62	GMV-1734WM/H1-X						●		●
64	GMV-1790WM/H1-X							●	●
66	GMV-1845WM/H1-X								●
68	GMV-1905WM/H1-X		●			●		●	●
70	GMV-1959WM/H1-X		●				●	●	●
72	GMV-2015WM/H1-X		●					●	●
74	GMV-2070WM/H1-X		●					●	●
76	GMV-2125WM/H1-X		●						●
78	GMV-2180WM/H1-X			●					●
80	GMV-2245WM/H1-X				●				●
82	GMV-2295WM/H1-X					●			●
84	GMV-2349WM/H1-X						●		●
86	GMV-2405WM/H1-X							●	●
88	GMV-2460WM/H1-X								●

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	DB (°C)
Cooling	35	24	27	19	-15~55
Heating	7	6	20	15	-30~24

GMV6 CP (380-415V 3N~ 50/60Hz)

Model			GMV-224WM/H1-X	GMV-280WM/H1-X	GMV-335WM/H1-X	GMV-400WM/H1-X
Capacity range	HP		8	10	12	14
Cooling capacity	Rated*	kW	22.4	28.0	33.5	40.0
	Max.	kW	22.4	28.0	33.5	40.0
Heating capacity	Rated*	W/W	22.4	28.0	33.5	40.0
	Max.	W/W	25.0	31.5	37.5	45.0
SEER	Ducted*	-	7.10	6.66	6.31	6.75
	Cassette*	-	7.80	6.33	6.58	6.74
SCOP	Ducted*	-	4.62	4.80	4.40	4.80
	Cassette*	-	4.50	4.75	4.66	4.44
Power supply	V/Ph/Hz		380-415V 3N~ 50/60Hz			
Min.circuit/Max.fuse current	A		23.0/25	23.5/25	24.1/25	37.5/40
Maximum drive IDU NO.	unit		13	16	19	23
Refrigerant charge volume	kg		5.5	5.5	7.5	7.5
Sound pressure level (cooling)	dB(A)		56	57	59	59
Sound power level (cooling)	Ducted*	dB(A)	80	84	86	90
	Cassette*	dB(A)	82	86	86	88
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	930×775×1690	930×775×1690	930×775×1690	1340×775×1690
	Package	mm	1000×830×1855	100×830×1855	1000×830×1855	1400×830×1855
Net weight/Gross weight	kg		220/230	220/230	240/250	300/315
Loading quantity	20' GP	unit	12	12	12	10
	40' GP	unit	28	28	28	22
	40' HQ	unit	28	28	28	22

Model			GMV-450WM/H1-X	GMV-504WM/H1-X	GMV-560WM/H1-X	GMV-615WM/H1-X
Capacity range	HP		16	18	20	22
Cooling capacity	Rated*	kW	45.0	50.4	52.0	52.0
	Max.	kW	45.0	50.4	56.0	61.5
Heating capacity	Rated*	W/W	45.0	50.4	56.0	56.0
	Max.	W/W	50.0	56.5	63.0	69.0
SEER	Ducted*	-	6.24	6.12	5.97	6.02
	Cassette*	-	6.41	6.44	5.67	5.75
SCOP	Ducted*	-	4.84	4.19	4.10	4.10
	Cassette*	-	4.44	3.71	3.71	3.71
Power supply	V/Ph/Hz		380-415V 3N~ 50/60Hz			
Min.circuit/Max.fuse current	A		39.3/40	47.0/50	48.0/50	49.0/50
Maximum drive IDU NO.	unit		26	29	33	36
Refrigerant charge volume	kg		7.5	8.3	8.3	8.3
Sound pressure level (cooling)	dB(A)		60	61	62	63
Sound power level (cooling)	Ducted*	dB(A)	93	93	93	93
	Cassette*	dB(A)	93	88	94	94
Connecting pipe	Liquid	mm	Φ12.7	Φ15.9	Φ15.9	Φ15.9
	Gas	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6
Dimension (W×D×H)	Outline	mm	1340×775×1690	1340×775×1690	1340×775×1690	1340×775×1690
	Package	mm	1400×830×1855	1400×830×1855	1400×830×1855	1400×830×1855
Net weight/Gross weight	kg		300/315	350/365	350/365	355/370
Loading quantity	20' GP	unit	10	10	10	10
	40' GP	unit	22	22	22	22
	40' HQ	unit	22	22	22	22

Note: The data is Eurovent certified.

GMV6 CP (380-415V 3N~ 50/60Hz)

HP	Model	Power Supply	Capacity		Dimension (W × D × H)	Airflow Volume	ESP	Connecting pipe		Min.circuit current	Max.fuse current	Net weight
			Cooling capacity	Heating capacity				Liquid	Gas			
			kW	kW				mm	mm			
24	GMV-680WM/H1-X	380-415V 3N~50/60Hz	68.0	76.5	930 × 775 × 1690 +1340 × 775 × 1690	10500+13500	110	Φ15.9	Φ28.6	23.5+37.5	25+40	220+300
26	GMV-730WM/H1-X		73.0	81.5	930 × 775 × 1690 +1340 × 775 × 1690	10500+15400	110	Φ19.05	Φ31.8	23.5+39.3	25+40	220+300
28	GMV-784WM/H1-X		78.4	88.0	930 × 775 × 1690 +1340 × 775 × 1690	10500+16000	110	Φ19.05	Φ31.8	23.5+47	25+50	220+350
30	GMV-840WM/H1-X		84.0	94.5	930 × 775 × 1690 +1340 × 775 × 1690	10500+16500	110	Φ19.05	Φ31.8	23.5+48	25+50	220+350
32	GMV-895WM/H1-X		89.5	100.5	930 × 775 × 1690 +1340 × 775 × 1690	10500+16500	110	Φ19.05	Φ31.8	23.5+49	25+50	220+355
34	GMV-950WM/H1-X		95.0	106.5	930 × 775 × 1690 +1340 × 775 × 1690	11100+16500	110	Φ19.05	Φ31.8	24.1+49	25+50	240+355
36	GMV-1015WM/H1-X		101.5	114.0	(1340 × 775 × 1690) × 2	13500+16500	110	Φ19.05	Φ38.1	37.5+49	40+50	300+355
38	GMV-1065WM/H1-X		106.5	119.0	(1340 × 775 × 1690) × 2	15400+16500	110	Φ19.05	Φ38.1	39.3+49	40+50	300+355
40	GMV-1119WM/H1-X		111.9	125.5	(1340 × 775 × 1690) × 2	16000+16500	110	Φ19.05	Φ38.1	47+49	50+50	350+355
42	GMV-1175WM/H1-X		117.5	132.0	(1340 × 775 × 1690) × 2	16500 × 2	110	Φ19.05	Φ38.1	48+49	50+50	350+355
44	GMV-1230WM/H1-X		123.0	138.0	(1340 × 775 × 1690) × 2	16500 × 2	110	Φ19.05	Φ38.1	49+49	50+50	355 × 2
46	GMV-1290WM/H1-X		129.0	144.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	10500+ 15400+16500	110	Φ19.05	Φ38.1	23.5+39.3+48	25+40+50	220+300+350
48	GMV-1345WM/H1-X		134.5	150.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	10500+ 15400+16500	110	Φ19.05	Φ38.1	23.5+39.3+49	25+40+50	220+300+355
50	GMV-1400WM/H1-X		140.0	156.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	11100+ 15400+16500	110	Φ19.05	Φ41.3	24.1+39.3+49	25+40+50	240+300+355
52	GMV-1455WM/H1-X		145.5	163.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	10500+16500 × 2	110	Φ19.05	Φ41.3	23.5+48+49	25+50+50	220+350+355
54	GMV-1510WM/H1-X		151.0	169.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	10500+16500 × 2	110	Φ19.05	Φ41.3	23.5+49+49	25+50+50	220+355 × 2
56	GMV-1565WM/H1-X		156.5	175.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 2	11100+16500 × 2	110	Φ19.05	Φ41.3	24.1+49+49	25+50+50	240+355 × 2
58	GMV-1630WM/H1-X		163.0	183.0	(1340 × 775 × 1690) × 3	13500+16500 × 2	110	Φ19.05	Φ41.3	37.5+49+49	40+50+50	300+355 × 2
60	GMV-1680WM/H1-X		168.0	188.0	(1340 × 775 × 1690) × 3	15400+16500 × 2	110	Φ19.05	Φ41.3	39.3+49+49	40+50+50	300+355 × 2
62	GMV-1734WM/H1-X		173.4	194.5	(1340 × 775 × 1690) × 3	16000+16500 × 2	110	Φ19.05	Φ41.3	47+49+49	50+50+50	350+355 × 2
64	GMV-1790WM/H1-X		179.0	201.0	(1340 × 775 × 1690) × 3	16500 × 3	110	Φ19.05	Φ41.3	48+49+48	50+50+50	350+355 × 2
66	GMV-1845WM/H1-X		184.5	207.0	(1340 × 775 × 1690) × 3	16500 × 3	110	Φ19.05	Φ41.3	49+49+49	50+50+50	355 × 3
68	GMV-1905WM/H1-X		190.5	213.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	10500+15400 +16500 × 2	110	Φ22.2	Φ44.5	23.5+39.3+48+49	25+40+50+50	220+300+350+355
70	GMV-1969WM/H1-X		196.9	220.0	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	10500+16000 +16500 × 2	110	Φ22.2	Φ44.5	23.5+47+48+49	25+50+50+50	220+350 × 2+355
72	GMV-2015WM/H1-X		201.5	226.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	10500+16500 × 3	110	Φ22.2	Φ44.5	23.5+48+48+49	25+50+50+50	220+350 × 2+355
74	GMV-2070WM/H1-X		207.0	232.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	10500+16500 × 3	110	Φ22.2	Φ44.5	23.5+48+49+49	25+50+50+50	220+350+355 × 2
76	GMV-2129WM/H1-X		212.5	238.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	10500+16500 × 3	110	Φ22.2	Φ44.5	23.5+49+49+49	25+50+50+50	220+355 × 3
78	GMV-2180WM/H1-X		218.0	244.5	930 × 775 × 1690+ (1340 × 775 × 1690) × 3	11100+16500 × 3	110	Φ22.2	Φ44.5	24.1+49+49+49	25+50+50+50	240+355 × 3
80	GMV-2245WM/H1-X		224.5	252.0	(1340 × 775 × 1690) × 4	13500+16500 × 3	110	Φ22.2	Φ44.5	37.5+49+49+49	40+50+50+50	300+355 × 3
82	GMV-2295WM/H1-X		229.5	257.0	(1340 × 775 × 1690) × 4	15400+16500 × 3	110	Φ22.2	Φ44.5	39.3+49+49+49	40+50+50+50	300+355 × 3
84	GMV-2349WM/H1-X		234.9	263.5	(1340 × 775 × 1690) × 4	16000+16500 × 3	110	Φ22.2	Φ44.5	47+49+49+49	50+50+50+50	350+355 × 3
86	GMV-2405WM/H1-X		240.5	270.0	(1340 × 775 × 1690) × 4	16500 × 4	110	Φ22.2	Φ44.5	48+49+49+49	50+50+50+50	350+355 × 3
88	GMV-2460WM/H1-X		246.0	276.0	(1340 × 775 × 1690) × 4	16500 × 4	110	Φ22.2	Φ44.5	49+49+49+49	50+50+50+50	355 × 4

GMV X (Heat Pump)



DC Inverter Multi VRF Unit (R410A, Inverter)

GMV X heat pump series adopts brand new high-efficiency enthalpy-adding system and Gree independently-developed advanced smart control technology. Based on the energy conservation technology of the whole system and the clean air solution for multiple scenarios, it has achieved new breakthroughs in energy conservation, comfort and reliability. The whole series has 15 basic models and their cooling capacity range is 22.4~101kW. Modular combination is available. The maximum capacity is up to 360kW and the operation range is -25°C~52°C.



8-12HP



14-22HP



24-36HP



Energy saving function



High efficiency



Easier maintainability



Wide operation range



Golden fin condenser



Centralized control



Long-distance monitoring



Maximum modular combined capacity 128HP



Long connection pipe design



Intelligent defrosting



Modular operating



Comprehensive protection



Auto addressing technology



All DC inverter technology

- » Large capacity design: Max. capacity of single unit and unit combination is 36HP and 128HP respectively.
- » High-efficiency low-temperature enthalpy-adding system and new big capacity compressor; system is more reliable and energy-saving.
- » Adopt ultra-large efficient G-shape heat exchanger to improve space utilization efficiency; use 1-2-2-1 flow path design to ensure the heat exchange efficiency.
- » New generation efficient plate-type subcooler and variable subcooling control method; the maximum degree of subcooling is 35°C.
- » Thanks to -25°C~52°C wide operation range, comfort is guaranteed in summer and in winter.
- » Big air volume and low noise.
- » With multiple protection functions like thunder-proof prevention and head wind prevention, the reliability is better.

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	
Cooling	35	24	27	19	-15~52*
Heating	7	6	20	15	-25~24

*Notes:
Cooling at -15°C~-5°C is conditional, please inquire our engineers for more information. Generally, the lowest operating temperature for cooling is -5°C.

GMV X Outdoor Unit Lineup (380-415V 3N~ 50/60Hz)

Model			GMV-224WM/B-X(P)	GMV-280WM/B-X(P)	GMV-335WM/B-X(P)	GMV-400WM/B-X(P)	GMV-450WM/B-X(P)
Capacity range	HP		8	10	12	14	16
Cooling capacity	kW		22.4	28.0	33.5	40.0	45.0
Heating capacity	kW		25.0	31.5	37.5	45.0	50.0
EER	W/W		4.55	4.30	4.14	4.14	3.97
COP	W/W		5.23	5.08	4.58	4.51	4.45
Power supply	V/Ph/Hz		380-415V 3N~ 50/60Hz				
Min. circuit/Max. fuse current	A		19.9/20.0	22.4/25.0	23.3/25.0	28.8/32.0	31.0/32.0
Power consumption	Cooling	kW	4.92	6.51	8.09	9.66	11.34
	Heating	kW	4.78	6.20	8.19	9.98	11.24
Airflow volume	m³/h		9750	10500	11100	13500	15400
ESP	Pa		80	80	80	80	80
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	5	5.2	6.5	7
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7
	Gas	mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6
Dimension (W×D×H)	Outline	mm	930×775×1690	930×775×1690	930×775×1690	1340×775×1690	1340×775×1690
	Package	mm	1000×830×1855	1000×830×1855	1000×830×1855	1400×830×1855	1400×830×1855
Net weight/Gross weight	kg		210/220	210/220	215/225	280/295	280/295
Loading quantity	40' GP	unit	28	28	28	22	22
	40' HQ	unit	28	28	28	22	22

Model			GMV-504WM/B-X(P)	GMV-560WM/B-X(P)	GMV-615WM/B-X(P)	GMV-680WM/B-X(P)	GMV-730WM/B-X(P)
Capacity range	HP		18	20	22	24	26
Cooling capacity	kW		50.4	56.0	61.5	68.0	73.0
Heating capacity	kW		56.5	63.0	69.0	76.0	82.5
EER	W/W		3.90	3.86	3.62	3.32	3.42
COP	W/W		4.17	4.13	3.89	3.60	3.78
Power supply	V/Ph/Hz		380-415V 3N~ 50/60Hz				
Min. circuit/Max. fuse current	A		31.5/40.0	39.3/40.0	46.1/50.0	46.1/50.0	49.3/53.0
Power consumption	Cooling	kW	12.92	14.49	17.01	20.50	21.50
	Heating	kW	13.55	15.25	17.75	21.11	21.80
Airflow volume	m³/h		16000	16500	16500	16500	26000
ESP	Pa		80	80	80	80	50*
Max.drive IDU NO.	unit		29	33	36	39	43
Sound pressure level	dB(A)		63	64	65	66	66
Refrigerant charge volume	kg		7.5	7.5	7.8	7.8	11
Connecting pipe	Liquid	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05
	Gas	mm	Φ28.6	Φ28.6	Φ28.6	Φ28.6	Φ31.8
Dimension (W×D×H)	Outline	mm	1340×775×1690	1340×775×1690	1340×775×1690	1340×775×1690	1760×835×1795
	Package	mm	1400×830×1855	1400×830×1855	1400×830×1855	1400×830×1855	1828×913×1986
Net weight/Gross weight	kg		285/300	325/340	325/340	325/340	425/450
Loading quantity	40' GP	unit	22	22	22	22	13
	40' HQ	unit	22	22	22	22	13

Notes:
1. Cooling Capacity: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 7.5 m, Level difference: 0 m.
Heating Capacity: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, 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 GMV-730-1010WM/B-X(P), customized engineering service is needed if the outdoor static pressure is more than 0Pa.

Specifications (380-415V 3N~ 50/60Hz)

HP	Model	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
8	GMV-224WM/B-X(P)	●														
10	GMV-280WM/B-X(P)		●													
12	GMV-335WM/B-X(P)			●												
14	GMV-400WM/B-X(P)				●											
16	GMV-450WM/B-X(P)					●										
18	GMV-504WM/B-X(P)						●									
20	GMV-560WM/B-X(P)							●								
22	GMV-615WM/B-X(P)								●							
24	GMV-680WM/B-X(P)									●						
26	GMV-730WM/B-X(P)										●					
28	GMV-785WM/B-X(P)											●				
30	GMV-850WM/B-X(P)												●			
32	GMV-900WM/B-X(P)													●		
34	GMV-952WM/B-X(P)														●	
36	GMV-1010WM/B-X(P)															●
38	GMV-1065WM/B-X(P)					●			●							
40	GMV-1119WM/B-X(P)						●		●							
42	GMV-1184WM/B-X(P)						●			●						
44	GMV-1230WM/B-X(P)								●●	●						
46	GMV-1295WM/B-X(P)								●	●						
48	GMV-1360WM/B-X(P)									●●						
50	GMV-1410WM/B-X(P)							●					●			
52	GMV-1465WM/B-X(P)								●				●			
54	GMV-1530WM/B-X(P)									●			●			
56	GMV-1580WM/B-X(P)									●				●		
58	GMV-1635WM/B-X(P)										●		●			
60	GMV-1700WM/B-X(P)											●●	●●			
62	GMV-1750WM/B-X(P)												●	●		
64	GMV-1795WM/B-X(P)											●				●
66	GMV-1860WM/B-X(P)												●			●
68	GMV-1910WM/B-X(P)													●		●
70	GMV-1962WM/B-X(P)														●	●
72	GMV-2020WM/B-X(P)															●●
74	GMV-2080WM/B-X(P)								●●				●			
76	GMV-2145WM/B-X(P)								●	●			●			
78	GMV-2210WM/B-X(P)									●●			●			
80	GMV-2240WM/B-X(P)								●●							●
82	GMV-2312WM/B-X(P)									●●					●	
84	GMV-2370WM/B-X(P)									●●						●
86	GMV-2430WM/B-X(P)									●			●	●		
88	GMV-2480WM/B-X(P)									●				●●		
90	GMV-2532WM/B-X(P)									●				●	●	
92	GMV-2584WM/B-X(P)									●					●●	
94	GMV-2642WM/B-X(P)									●					●	●
96	GMV-2700WM/B-X(P)									●						●●
98	GMV-2754WM/B-X(P)												●		●●	
100	GMV-2812WM/B-X(P)												●		●	●
102	GMV-2870WM/B-X(P)												●			●●
104	GMV-2920WM/B-X(P)													●		●●
106	GMV-2972WM/B-X(P)														●	●●
108	GMV-3030WM/B-X(P)															●●●
110	GMV-3110WM/B-X(P)									●●			●	●		
112	GMV-3160WM/B-X(P)									●●				●●		
114	GMV-3195WM/B-X(P)							●	●							●●
116	GMV-3250WM/B-X(P)								●●	●						●●
118	GMV-3315WM/B-X(P)								●	●						●●
120	GMV-3380WM/B-X(P)									●●						●●
122	GMV-3430WM/B-X(P)										●			●●●		
124	GMV-3485WM/B-X(P)											●		●●●		
126	GMV-3550WM/B-X(P)												●	●●●		
128	GMV-3600WM/B-X(P)													●●●●		

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.
Heating Capacity: Indoor temp.: 20°C DB, Outdoor temp.: 7°C DB, 6°C WB, 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 GMV-730~1010WM/B-XiP, customized engineering service is needed if the outdoor static pressure is more than 0Pa.

HP	Model	Power supply	Capacity		Power input		Dimension(W × D × H)	Airflow volume	ESP	Connecting pipe		Min.circuit current	Max. fuse current	Net weight
			Cooling	Heating	Cooling	Heating				Liquid	Gas			
			kW	kW	kW	kW				mm	mm			
38	GMV-1065WM/B-X(P)	380-415V 3N-50/ 60Hz	106.5	119.0	28.35	28.99	(1340 × 775 × 1690) × 2	15400+16500	50	Φ19.05	Φ38.1	31.0+46.1	32+50	280+325
40	GMV-1119WM/B-X(P)		111.9	125.5	29.93	31.30	(1340 × 775 × 1690) × 2	16000+16500	50	Φ19.05	Φ38.1	31.5+46.1	40+50	285+325
42	GMV-1184WM/B-X(P)		118.4	132.5	33.42	34.66	(1340 × 775 × 1690) × 2	16000+16500	50	Φ19.05	Φ38.1	31.5+46.1	40+50	285+325
44	GMV-1230WM/B-X(P)		123.0	138.0	34.02	35.50	(1340 × 775 × 1690) × 2	16500+16500	50	Φ19.05	Φ38.1	46.1+46.1	50+50	325 × 2
46	GMV-1295WM/B-X(P)		129.5	145.0	37.51	38.86	(1340 × 775 × 1690) × 2	16500 × 2	50	Φ19.05	Φ38.1	46.1+46.1	50+50	325 × 2
48	GMV-1360WM/B-X(P)		136.0	152.0	41.00	42.22	(1340 × 775 × 1690) × 2	16500 × 2	50	Φ19.05	Φ38.1	46.1+46.1	50+50	325 × 2
50	GMV-1410WM/B-X(P)		141.0	158.0	41.09	42.25	(1340 × 775 × 1690) +(1760 × 835 × 1795)	16500+26000	50	Φ19.05	Φ41.3	39.3+57.2	40+63	325+425
52	GMV-1465WM/B-X(P)		146.5	164.0	43.61	44.75	(1340 × 775 × 1690) +(1760 × 835 × 1795)	16500+26000	50	Φ19.05	Φ41.3	46.1+57.2	50+63	325+425
54	GMV-1530WM/B-X(P)		153.0	171.0	47.10	48.11	(1340 × 775 × 1690) +(1760 × 835 × 1795)	16500+26000	50	Φ19.05	Φ41.3	46.1+57.2	50+63	325+425
56	GMV-1580WM/B-X(P)		158.0	176.0	49.20	50.61	(1340 × 775 × 1690) +(1760 × 835 × 1795)	16500+28000	50	Φ19.05	Φ41.3	46.1+58.7	50+63	325+455
58	GMV-1635WM/B-X(P)		163.5	182.5	50.60	51.30	(1760 × 835 × 1795) × 2	26000 × 2	50	Φ19.05	Φ41.3	52.2+57.2	63+63	425 × 2
60	GMV-1700WM/B-X(P)		170.0	190.0	53.20	54.00	(1760 × 835 × 1795) × 2	26000 × 2	50	Φ19.05	Φ41.3	57.2+57.2	63+63	425 × 2
62	GMV-1750WM/B-X(P)		175.0	195.0	55.30	56.50	(1760 × 835 × 1795) × 2	26000+28000	50	Φ19.05	Φ41.3	57.2+58.7	63+63	425+455
64	GMV-1795WM/B-X(P)		179.5	199.5	57.60	58.50	(1760 × 835 × 1795) × 2	26000+28000	50	Φ19.05	Φ41.3	52.2+61.8	63+63	425+455
66	GMV-1860WM/B-X(P)		186.0	207.0	60.20	61.20	(1760 × 835 × 1795) × 2	26000+28000	50	Φ19.05	Φ41.3	57.2+61.8	63+63	425+455
68	GMV-1910WM/B-X(P)		191.0	212.0	62.30	63.70	(1760 × 835 × 1795) × 2	28000 × 2	50	Φ22.2	Φ44.5	58.7+61.8	63+63	455 × 2
70	GMV-1962WM/B-X(P)		196.2	218.0	64.50	65.80	(1760 × 835 × 1795) × 2	28000 × 2	50	Φ22.2	Φ44.5	60.1+61.8	63+63	455 × 2
72	GMV-2020WM/B-X(P)		202.0	224.0	67.20	68.40	(1760 × 835 × 1795) × 2	28000 × 2	50	Φ22.2	Φ44.5	61.8+61.8	63+63	455 × 2
74	GMV-2060WM/B-X(P)		208.0	233.0	60.62	62.50	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795)	16500 × 2+26000	50	Φ22.2	Φ44.5	46.1+46.1 +57.2	50+50+63	325 × 2+425
76	GMV-2145WM/B-X(P)		214.5	240.0	64.11	65.86	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795)	16500 × 2+26000	50	Φ22.2	Φ44.5	46.1+46.1 +57.2	50+50+63	325 × 2+425
78	GMV-2210WM/B-X(P)		221.0	247.0	67.60	69.22	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795)	16500 × 2+26000	50	Φ22.2	Φ44.5	46.1+46.1 +57.2	50+50+63	325 × 2+425
80	GMV-2240WM/B-X(P)		224.0	250.0	67.62	69.70	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795)	16500 × 2+28000	50	Φ22.2	Φ44.5	46.1+46.1 +61.8	50+50+63	325 × 2+455
82	GMV-2312WM/B-X(P)		231.2	258.0	71.90	73.82	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795)	16500 × 2+28000	50	Φ22.2	Φ44.5	46.1+46.1 +60.1	50+50+63	325 × 2+455

HP	Model	Power supply	Capacity		Power input		Dimension(W × D × H)	Airflow volume	ESP	Connecting pipe		Min.circuit current	Max. fuse current	Net weight
			Cooling	Heating	Cooling	Heating				Liquid	Gas			
			kW	kW	kW	kW				mm	mm			
84	GMV-2370WM/B-X(P)	380-415V 3N-50/ 60Hz	237.0	264.0	74.60	76.42	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795)	16500 × 2+28000	50	Φ22.2	Φ44.5	46.1+46.1 +61.8	50+50+63	325 × 2+455
86	GMV-2430WM/B-X(P)		243.0	271.0	75.80	77.61	(1340 × 775 × 1690) +(1760 × 835 × 1795) × 2	16500+26000 +28000	50	Φ22.2	Φ44.5	46.1+57.2 +58.7	50+63+63	325+425+455
88	GMV-2480WM/B-X(P)		248.0	276.0	77.90	80.11	(1340 × 775 × 1690) +(1760 × 835 × 1795) × 2	16500+28000 × 2	50	Φ22.2	Φ44.5	46.1+58.7 +58.7	50+63+63	325+455 × 2
90	GMV-2532WM/B-X(P)		253.2	282.0	80.10	82.21	(1340 × 775 × 1690) +(1760 × 835 × 1795) × 2	16500+28000 × 2	50	Φ22.2	Φ44.5	46.1+58.7 +60.1	50+63+63	325+455 × 2
92	GMV-2584WM/B-X(P)		258.4	288.0	82.30	84.31	(1340 × 775 × 1690) +(1760 × 835 × 1795) × 2	16500+28000 × 2	50	Φ22.2	Φ44.5	46.1+60.1 +60.1	50+63+63	325+455 × 2
94	GMV-2642WM/B-X(P)		264.2	294.0	85.00	86.91	(1340 × 775 × 1690) +(1760 × 835 × 1795) × 2	16500+28000 × 2	50	Φ22.2	Φ44.5	46.1+60.1 +61.8	50+63+63	325+455 × 2
96	GMV-2700WM/B-X(P)		270.0	300.0	87.70	89.51	(1340 × 775 × 1690) +(1760 × 835 × 1795) × 2	16500+28000 × 2	50	Φ22.2	Φ44.5	46.1+61.8+61.8	50+63+63	325+455 × 2
98	GMV-2754WM/B-X(P)		275.4	307.0	88.40	90.20	(1760 × 835 × 1795) × 3	26000+28000 × 2	50	Φ25.4	Φ51.4	57.2+60.1+60.1	63+63+63	425+455 × 2
100	GMV-2812WM/B-X(P)		281.2	313.0	91.10	92.80	(1760 × 835 × 1795) × 3	26000+28000 × 2	50	Φ25.4	Φ51.4	57.2+60.1+61.8	63+63+63	425+455 × 2
102	GMV-2870WM/B-X(P)		287.0	319.0	93.80	95.40	(1760 × 835 × 1795) × 3	28000+28000 × 2	50	Φ25.4	Φ51.4	57.2+61.8+61.8	63+63+63	425+455 × 2
104	GMV-2920WM/B-X(P)		292.0	324.0	95.90	97.90	(1760 × 835 × 1795) × 3	28000 × 3	50	Φ25.4	Φ51.4	58.7+61.8+61.8	63+63+63	455 × 3
106	GMV-2972WM/B-X(P)		297.2	330.0	98.10	100.00	(1760 × 835 × 1795) × 3	28000 × 3	50	Φ25.4	Φ51.4	60.1+61.8+61.8	63+63+63	455 × 3
108	GMV-3030WM/B-X(P)		303.0	336.0	100.80	102.60	(1760 × 835 × 1795) × 3	28000 × 3	50	Φ25.4	Φ51.4	61.8+61.8+61.8	63+63+63	455 × 3
110	GMV-3110WM/B-X(P)		311.0	347.0	96.30	98.72	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795) × 2	16500 × 2+ 26000+28000	50	Φ25.4	Φ51.4	46.1+46.1 +57.2+58.7	50+50 +63+63	325 × 2 +425+455
112	GMV-3160WM/B-X(P)		316.0	352.0	98.40	101.22	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795) × 2	16500 × 2 +28000 × 2	50	Φ25.4	Φ51.4	46.1+46.1 +58.7+58.7	50+50 +63+63	325 × 2 +455 × 2
114	GMV-3195WM/B-X(P)		319.5	356.0	98.70	101.40	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795) × 2	16500 × 2 +28000 × 2	50	Φ25.4	Φ51.4	39.3+46.1 +61.8+61.8	40+50 +63+63	325 × 2 +455 × 2
116	GMV-3250WM/B-X(P)		325.0	362.0	101.22	103.90	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795) × 2	16500 × 2 +28000 × 2	50	Φ25.4	Φ51.4	46.1+46.1 +61.8+61.8	50+50 +63+63	325 × 2 +455 × 2
118	GMV-3315WM/B-X(P)		331.5	369.0	104.71	107.26	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795) × 2	16500 × 2 +28000 × 2	50	Φ25.4	Φ51.4	46.1+46.1 +61.8+61.8	50+50 +63+63	325 × 2 +455 × 2
120	GMV-3380WM/B-X(P)		338.0	376.0	108.20	110.62	(1340 × 775 × 1690) × 2 +(1760 × 835 × 1795) × 2	16500 × 2 +28000 × 2	50	Φ25.4	Φ51.4	46.1+46.1 +61.8+61.8	50+50 +63+63	325 × 2 +455 × 2
122	GMV-3430WM/B-X(P)		343.0	382.5	107.60	110.30	(1760 × 835 × 1795) × 4	26000+28000 × 3	50	Φ25.4	Φ51.4	49.3+58.7 +58.7+58.7	63+63 +63+63	425+455 × 3
124	GMV-3485WM/B-X(P)		348.5	387.5	110.10	112.80	(1760 × 835 × 1795) × 4	26000+28000 × 3	50	Φ25.4	Φ51.4	52.2+58.7 +58.7+58.7	63+63 +63+63	425+455 × 3
126	GMV-3550WM/B-X(P)		355.0	395.0	112.70	115.50	(1760 × 835 × 1795) × 4	26000+28000 × 3	50	Φ25.4	Φ51.4	57.2+58.7 +58.7+58.7	63+63 +63+63	425+455 × 3
128	GMV-3600WM/B-X(P)		360.0	400.0	114.80	118.00	(1760 × 835 × 1795) × 4	28000 × 4	50	Φ25.4	Φ51.4	58.7+58.7 +58.7+58.7	63+63 +63+63	455 × 4

GMV X (Cooling Only Series)



DC Inverter Multi VRF Unit (R410A, Inverter)

The new generation of GMV X cooling Only series products use independently developed high-efficiency scroll compressor, the industry's largest G-type heat exchanger, all DC motors of ODU and IDU components, integrating many innovative technologies. It provides the largest system capacity of 128HP in the market. Strong performance, high efficiency, stable and reliable, comfortable experience, convenient installation and maintenance can meet any commercial applications.



8-12HP

14-18HP

20-24HP

26-36HP



Quiet function



High efficiency



Wide operation range



Golden fin condenser



Centralized control



Long-distance monitoring



Maximum modular combined capacity 128HP



Inner groove copper



Easier maintainability



Modular operating



Comprehensive protection



All DC inverter technology

- » Maximum capacity for the single unit and the modular unit is up to 36HP and 128HP respectively, with higher engineering adaptability.
- » Adopt new high-efficiency DC scroll compressor, more reliable and energy-saving.
- » Adopt G-shape integrated heat exchanger; the length of single heat exchanger is up to 4.2m; space utilization efficiency, heat exchange area and heat exchange efficiency are improved.
- » For the new generation of high-efficiency system design, EER has increased by 10% over the previous generation.
- » Thanks to the new generation high-efficiency plate-type sub-cooler, the degree of subcooling is up to 25°C.
- » Self-balancing control without oil balance pipe.
- » Big air volume and low noise thanks to unique blades.
- » The maximum static pressure of outdoor unit is up to 82Pa, with strong engineering adaptability.
- » Adopt multiple protections such as anti-lighting and anti-headwind protections to ensure reliable operation.

GMV X Outdoor Unit Lineup (380V-415V 3N~50/60Hz)

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	11.88
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	Φ12.7
	Gas mm	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6
Dimension (W×D×H)	Outline mm	930×765×1605	930×765×1605	930×765×1605	1340×765×1605	1340×765×1605
	Package mm	1010×840×1775	1010×840×1775	1010×840×1775	1420×840×1775	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	22
	40' HQ unit	28	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	21.79
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	Φ15.9	Φ19.05
	Gas mm	Φ28.6	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	2200×880×1675
	Package mm	1420×840×1775	1420×840×1910	1420×840×1910	1420×840×1910	2267×952×1867
Net weight/Gross weight	kg	275/290	375/390	375/390	375/390	490/520
Loading quantity	40' GP unit	22	22	22	22	12
	40' HQ unit	22	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	33.67
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	Φ19.05
	Gas mm	Φ31.8	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	2200×880×1675
	Package mm	2267×952×1867	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	12
	40' HQ unit	12	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.
Heating Capacity: Indoor temp.: 20°C DB, Outdoor temp.: 7°C DB, 6°C WB, 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.

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	DB (°C)
Cooling	35	24	27	19	-5~50

GMV X Outdoor Unit Lineup (380V-415V 3N~50/60Hz)

Unit combination with 68kW or less models

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-619WM/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-2580WM/A-X(P)								●	●
94	GMVL-2635WM/A-X(P)								●	●
96	GMVL-2720WM/A-X(P)								●	●

Unit combination with 73kW or above models

HP	Model	GMVL-730WM/A-X(P)	GMVL-785WM/A-X(P)	GMVL-850WM/A-X(P)	GMVL-900WM/A-X(P)	GMVL-957WM/A-X(P)	GMVL-1010WM/A-X(P)
52	GMVL-1480WM/A-X(P)	●					
54	GMVL-1515WM/A-X(P)	●	●				
56	GMVL-1580WM/A-X(P)	●		●			
58	GMVL-1630WM/A-X(P)	●			●		
60	GMVL-1685WM/A-X(P)		●		●		
62	GMVL-1750WM/A-X(P)			●	●		
64	GMVL-1800WM/A-X(P)				●		
66	GMVL-1852WM/A-X(P)				●	●	
68	GMVL-1910WM/A-X(P)				●		
70	GMVL-1962WM/A-X(P)					●	●
72	GMVL-2020WM/A-X(P)						●
78	GMVL-2190WM/A-X(P)	●					
80	GMVL-2245WM/A-X(P)	●	●				
82	GMVL-2310WM/A-X(P)	●		●			
84	GMVL-2360WM/A-X(P)	●			●		
86	GMVL-2415WM/A-X(P)	●	●		●		
88	GMVL-2480WM/A-X(P)	●		●	●		
90	GMVL-2530WM/A-X(P)	●			●		
92	GMVL-2585WM/A-X(P)		●		●		
94	GMVL-2650WM/A-X(P)			●	●		
96	GMVL-2700WM/A-X(P)				●		
98	GMVL-2750WM/A-X(P)	●					●
100	GMVL-2805WM/A-X(P)		●				●
102	GMVL-2870WM/A-X(P)			●			●
104	GMVL-2920WM/A-X(P)				●		●
106	GMVL-2972WM/A-X(P)					●	●
108	GMVL-3030WM/A-X(P)						●
110	GMVL-3090WM/A-X(P)	●			●		
112	GMVL-3145WM/A-X(P)	●	●		●		
114	GMVL-3210WM/A-X(P)	●		●	●		
116	GMVL-3260WM/A-X(P)	●			●		
118	GMVL-3315WM/A-X(P)	●	●		●		
120	GMVL-3380WM/A-X(P)	●		●	●		
122	GMVL-3430WM/A-X(P)			●	●		
124	GMVL-3485WM/A-X(P)		●		●		
126	GMVL-3550WM/A-X(P)			●	●		
128	GMVL-3600WM/A-X(P)				●		

Specifications (380V-415V 3N~50/60Hz)

Unit combination with 68kW or less 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	Coating					Liquid	Gas				
			kW	kW	mm	m³/h	Pa	mm	mm	A	A	kg	kg	
26	GMVL-735WM/A-X(P)	380-415V 3N~50/60Hz	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)		88.5	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	41.80	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+14000+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-2580WM/A-X(P)		259.0	103.00	(1340 × 765 × 1740) × 4	16000 × 4	82	Φ22.2	Φ44.5	42.9+42.9+49.2+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		

Specifications of ODU Combinations

Unit combination with 73kW or above models

HP	Model	Power supply	Capacity		Power input	Dimension(W×D×H)	Airflow volume	ESP	Connecting pipe		Max.circuit current	Max. fuse current	Net weight	Net weight
			Cooling	Cooling					Liquid	Gas				
			kW	kW	mm	m3/h	Pa	mm			mm	A	A	kg
52	GMVL-1460WM/A-X(P)	380-415V 3N-50/60Hz	146.0	60.00	(2200×880×1675)×2	26000×2	30	Φ19.05	Φ41.3	53.6+53.6	63+63	490×2	490×2	
54	GMVL-1515WM/A-X(P)		151.5	61.00	(2200×880×1675)×2	26000×2	30	Φ19.05	Φ41.3	53.6+55.4	63+63	490×2	490×2	
56	GMVL-1580WM/A-X(P)		158.0	65.00	(2200×880×1675)×2	26000×2	30	Φ19.05	Φ41.3	53.6+55.4	63+63	490×2	490×2	
58	GMVL-1630WM/A-X(P)		163.0	70.00	(2200×880×1675)×2	26000+28000	30	Φ19.05	Φ41.3	53.6+71.5	63+80	490+520	490+520	
60	GMVL-1685WM/A-X(P)		168.5	71.00	(2200×880×1675)×2	26000+28000	30	Φ19.05	Φ41.3	55.4+71.5	63+80	490+520	490+520	
62	GMVL-1750WM/A-X(P)		175.0	75.00	(2200×880×1675)×2	26000+28000	30	Φ19.05	Φ41.3	55.4+71.5	63+80	490+520	490+520	
64	GMVL-1800WM/A-X(P)		180.0	80.00	(2200×880×1675)×2	28000×2	30	Φ19.05	Φ41.3	71.5+71.5	80+80	520×2	520×2	
66	GMVL-1852WM/A-X(P)		185.2	81.00	(2200×880×1675)×2	28000×2	30	Φ19.05	Φ41.3	71.5+71.5	80+80	520×2	520×2	
68	GMVL-1910WM/A-X(P)		191.0	82.00	(2200×880×1675)×2	28000×2	30	Φ22.2	Φ44.5	71.5+71.5	80+80	520×2	520×2	
70	GMVL-1962WM/A-X(P)		196.2	83.00	(2200×880×1675)×2	28000×2	30	Φ22.2	Φ44.5	71.5+71.5	80+80	520×2	520×2	
72	GMVL-2020WM/A-X(P)		202.0	84.00	(2200×880×1675)×2	28000×2	30	Φ22.2	Φ44.5	71.5+71.5	80+80	520×2	520×2	
78	GMVL-2190WM/A-X(P)		219.0	90.00	(2200×880×1675)×3	26000×3	30	Φ22.2	Φ44.5	53.6+53.6+53.6	63+63+63	490×3	490×3	
80	GMVL-2245WM/A-X(P)		224.5	91.00	(2200×880×1675)×3	26000×3	30	Φ22.2	Φ44.5	53.6+53.6+55.4	63+63+63	490×3	490×3	
82	GMVL-2310WM/A-X(P)		231.0	95.00	(2200×880×1675)×3	26000×3	30	Φ22.2	Φ44.5	53.6+53.6+55.4	63+63+63	490×3	490×3	
84	GMVL-2360WM/A-X(P)		236.0	100.00	(2200×880×1675)×3	26000×2+28000	30	Φ22.2	Φ44.5	53.6+53.6+71.5	63+63+80	490×2+520	490×2+520	
86	GMVL-2415WM/A-X(P)		241.5	101.00	(2200×880×1675)×3	26000×2+28000	30	Φ22.2	Φ44.5	53.6+55.4+71.5	63+63+80	490×2+520	490×2+520	
88	GMVL-2480WM/A-X(P)		248.0	105.00	(2200×880×1675)×3	26000×2+28000	30	Φ22.2	Φ44.5	53.6+55.4+71.5	63+63+80	490×2+520	490×2+520	
90	GMVL-2530WM/A-X(P)		253.0	110.00	(2200×880×1675)×3	26000+28000×2	30	Φ22.2	Φ44.5	53.6+71.5+71.5	63+80+80	490+520×2	490+520×2	
92	GMVL-2585WM/A-X(P)		258.5	111.00	(2200×880×1675)×3	26000+28000×2	30	Φ22.2	Φ44.5	55.4+71.5+71.5	63+80+80	490+520×2	490+520×2	
94	GMVL-2650WM/A-X(P)		265.0	115.00	(2200×880×1675)×3	26000+28000×2	30	Φ22.2	Φ44.5	55.4+71.5+71.5	63+80+80	490+520×2	490+520×2	
96	GMVL-2700WM/A-X(P)		270.0	120.00	(2200×880×1675)×3	28000×3	30	Φ22.2	Φ44.5	71.5+71.5+71.5	80+80+80	520×3	520×3	
98	GMVL-2750WM/A-X(P)		275.0	114.00	(2200×880×1675)×3	26000+28000×2	30	Φ25.4	Φ51.4	53.6+71.5+71.5	63+80+80	490+520×2	490+520×2	
100	GMVL-2805WM/A-X(P)		280.5	115.00	(2200×880×1675)×3	26000+28000×2	30	Φ25.4	Φ51.4	55.4+71.5+71.5	63+80+80	490+520×2	490+520×2	
102	GMVL-2870WM/A-X(P)		287.0	119.00	(2200×880×1675)×3	26000+28000×2	30	Φ25.4	Φ51.4	55.4+71.5+71.5	63+80+80	490+520×2	490+520×2	
104	GMVL-2920WM/A-X(P)		292.0	124.00	(2200×880×1675)×3	28000×3	30	Φ25.4	Φ51.4	71.5+71.5+71.5	80+80+80	520×3	520×3	
106	GMVL-2972WM/A-X(P)		297.2	125.00	(2200×880×1675)×3	28000×3	30	Φ25.4	Φ51.4	71.5+71.5+71.5	80+80+80	520×3	520×3	
108	GMVL-3030WM/A-X(P)		303.0	126.00	(2200×880×1675)×3	28000×3	30	Φ25.4	Φ51.4	71.5+71.5+71.5	80+80+80	520×3	520×3	
110	GMVL-3090WM/A-X(P)		309.0	130.00	(2200×880×1675)×4	26000×3+28000	30	Φ25.4	Φ51.4	53.6+53.6+53.6+71.5	63+63+63+80	490×3+520	490×3+520	
112	GMVL-3145WM/A-X(P)		314.5	131.00	(2200×880×1675)×4	26000×3+28000	30	Φ25.4	Φ51.4	53.6+53.6+55.4+71.5	63+63+63+80	490×3+520	490×3+520	
114	GMVL-3210WM/A-X(P)		321.0	135.00	(2200×880×1675)×4	26000×3+28000	30	Φ25.4	Φ51.4	53.6+53.6+55.4+71.5	63+63+63+80	490×3+520	490×3+520	
116	GMVL-3260WM/A-X(P)		326.0	140.00	(2200×880×1675)×4	26000×2+28000×2	30	Φ25.4	Φ51.4	53.6+53.6+71.5+71.5	63+63+80+80	490×2+520×2	490×2+520×2	
118	GMVL-3315WM/A-X(P)		331.5	141.00	(2200×880×1675)×4	26000×2+28000×2	30	Φ25.4	Φ51.4	53.6+55.4+71.5+71.5	63+63+80+80	490×2+520×2	490×2+520×2	
120	GMVL-3380WM/A-X(P)		338.0	145.00	(2200×880×1675)×4	26000×2+28000×2	30	Φ25.4	Φ51.4	53.6+55.4+71.5+71.5	63+63+80+80	490×2+520×2	490×2+520×2	
122	GMVL-3430WM/A-X(P)		343.0	150.00	(2200×880×1675)×4	26000+28000×3	30	Φ25.4	Φ51.4	53.6+71.5+71.5+71.5	63+80+80+80	490+520×3	490+520×3	
124	GMVL-3485WM/A-X(P)		348.5	151.00	(2200×880×1675)×4	26000+28000×3	30	Φ25.4	Φ51.4	55.4+71.5+71.5+71.5	63+80+80+80	490+520×3	490+520×3	
126	GMVL-3550WM/A-X(P)		355.0	155.00	(2200×880×1675)×4	26000+28000×3	30	Φ25.4	Φ51.4	55.4+71.5+71.5+71.5	63+80+80+80	490+520×3	490+520×3	
128	GMVL-3600WM/A-X(P)		360.0	160.00	(2200×880×1675)×4	28000×4	30	Φ25.4	Φ51.4	71.5+71.5+71.5+71.5	80+80+80+80	520×4	520×4	

GMV Mini Star



DC Inverter Multi VRF Unit (R410A, Inverter)

Gree Multi VRF System adopts inverter compressor technology. By changing the displacement of compressor, stepless capacity regulation within range of 10%~100% can be realized. Various product lineups are provided with capacity range from 12kw to 18kw, which can be widely used in residential, commercial and working area and especially applicable to places with big load change. Gree residential air conditioner is absolutely your best choice.



Energy saving function



High efficiency



Easier maintainability



Wide operation range



Golden fin condenser



Centralized control



Long-distance monitoring



Long connection pipe design



Quality motor



Intelligent defrosting



Vertical swing



Comprehensive protection



Slave and master wired controller



All DC Inverter technology

- Outdoor unit quiet design with brand new compressor and duct system – greatly reducing outdoor unit noise; operating sound of a 6HP outdoor unit is only 53dB.
- Dynamic control of compressor and fan according to the load change of VRF units; outdoor unit noise is lower if only one 1HP indoor unit is used.
- U-shaped efficient heat exchange structure is adopted, resulting in 10% increase in windward area and better heat exchange capacity.
- Efficient compressor drive technology and auto optimization of control angel – compressor torque control angle can be automatically optimized; within the compressor frequency range, control efficiency is over 97%.
- The use of high-efficiency refrigerant cooling module significantly reduces the size while ensuring the heat dissipation effect.
- New generation CAN bus communication technology is adopted to achieve non-polar communication and strong anti-interference capability.



Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	DB (°C)
Cooling	35	24	27	19	-5~52

Specifications of ODU Combinations

Model			GMV-120WL/C1-S	GMV-140WL/C1-S	GMV-160WL/C1-S	GMV-180WL/C1-S
Capacity range		HP	4	5	6	6.5
Capacity	Cooling	kW	12.1	14	16	18
	Heating	kW	14	16.5	18.5	20
EER		kW/kW	4.94	4.52	4.38	3.96
COP		kW/kW	5.00	4.58	4.40	4.00
Power supply		V/Ph/Hz	220-240V ~50/60Hz	220-240V ~50/60Hz	220-240V ~50/60Hz	220-240V ~50/60Hz
Max. Circuit/Fuse current		A	32	32	32	40
Power consumption	Cooling	kW	2450	3100	3650	4550
	Heating	kW	2800	3600	4200	5000
Maximum drive IDU NO.		unit	7	8	9	10
Refrigerant charge volume		kg	3.2	3.2	3.3	3.3
Sound pressure level		dB(A)	50	51	52	53
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ19.05	Φ19.05
Dimension (W × D × H)	Outline	mm	900 × 340 × 1345	900 × 340 × 1345	900 × 340 × 1345	900 × 340 × 1345
	Package	mm	998 × 458 × 1500	998 × 458 × 1500	998 × 458 × 1500	998 × 458 × 1500
Net weight/Gross weight		kg	97/107	97/107	98/108	98/108
Loading quantity	40' GP	unit	60	60	60	60
	40' HQ	unit	60	60	60	60

GMV Mini F



DC Inverter Multi VRF Unit (R410A, Inverter)

Gree Multi VRF System adopts inverter compressor technology. By changing the displacement of compressor, stepless capacity regulation within range of 10%~100% can be realized. Various product lineups are provided with capacity range from 8kW to 16kW, which can be widely used in residential, commercial and working area and especially applicable to places with big load change. Gree residential air conditioner is absolutely your best choice.



Energy saving function

High efficiency

Easier maintainability

Wide operation range

Golden fin condenser

Centralized control

Long-distance monitoring

Long connection pipe design

Quality motor

Intelligent defrosting

Vertical swing

Comprehensive protection

Slave and master wired controller

All DC inverter technology

- » Thanks to the high-efficiency heat exchanger, the windward area is decreased by 27% under the same heating effect;
- » By adopting the high-efficiency refrigerant heat dissipation module, the size is decreased by 75% while the same heat dissipation effect is guaranteed;
- » By adopting drive board, filter board and inductance 3-in-1 integrated design, the size of electric cabinet is decreased greatly;
- » Low noise, quiet and comfortable;
- » Interlacing PFC design for reliable operation;
- » Heating is more comfortable. Traditional defrosting is conducted at the fixed time, not comfortable and consume more energy;
- » No oil return when the unit is heating under the normal ambient temperature of 0 ~ 20°C, for stable indoor temperature and higher comfort;
- » The smart temperature control technology with turbo cooling and heating functions enables indoor temperature to reach the set temperature rapidly;
- » Various size for different installation requirements.

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	DB (°C)
Cooling	35	24	27	19	-5~48

Specifications of ODU Combinations

Model		GMV-80WL/F1-E(D)	GMV-100WL/F1-E(D)	GMV-112WL/F1-E(D)	GMV-121WL/F1-E(D)	GMV-140WL/F1-E(D)	GMV-160WL/F1-E(D)
Capacity range	HP	3	4	4	4	5	6
Capacity	Cooling	kW	8.0	10.0	11.2	12.1	14.0
	Heating	kW	9.0	11.0	13.0	13.5	16.0
EER	kW/kW	3.48	3.34	3.29	3.32	3.64	3.27
COP	kW/kW	4.5	4.4	4.29	4.29	4.51	4.15
Power supply	V/Ph/Hz	220V~ 50Hz					
Max. Circuit/Fuse current	A	22	23	23	23	33.8	34.3
Power consumption	Cooling	kW	2.3	2.99	3.65	3.65	3.85
	Heating	kW	2	2.5	3.15	3.15	3.55
Maximum drive IDU NO.	unit	4	4	5	5	6	6
Refrigerant charge volume	kg	3.1	3.1	3.6	3.6	4.6	4.6
Sound pressure level	dB(A)	56	56	56	56	57	57
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
Dimension (W×D×H)	Outline	mm	980×360×790	980×360×790	980×360×790	980×360×790	940×460×820
	Package	mm	1097×477×937	1097×477×937	1097×477×937	1097×477×937	1023×563×973
Net weight/Gross weight	kg	80/90	80/90	85/95	85/95	101/113	101/113
Loading quantity	40' GP	unit	100	100	100	100	92
	40' HQ	unit	100	100	100	100	92

GMV5 Mini & Slim

Mini Lineup
(220-240V/50Hz & 208-230V/60Hz & 380-415V/50/60Hz)

HP	Model	Product
4	GMV-120WL/C-T	
	GMV-120WL/C-X	
5	GMV-140WL/C-T	
	GMV-140WL/C-X	
6	GMV-160WL/C-T	
	GMV-160WL/C-X	

Mini Lineup
(220-240V/50Hz & 208-230V/60Hz)

HP	Model	Product
3	GMV-80WL/C-T	
3.5	GMV-100WL/C-T	
4	GMV-121WL/C-T	
5	GMV-141WL/C-T	

Slim Lineup
(380-415V, 50/60Hz)

HP	Model	Product
8	GMV-224WL/C-X	
10	GMV-280WL/C1-X	
12	GMV-335WL/C1-X	

Mini
50Hz&60Hz (220-240V & 208-230V)

Model			GMV-80WL/C-T	GMV-100WL/C-T	GMV-121WL/C-T
Capacity range		HP	3	3.5	4
Capacity	Cooling	kW	8	10	12.1
	Heating	kW	9	11	13
EER		W/W	3.90	3.70	3.51
COP		W/W	4.74	4.40	4.81
Power supply		V/Ph/Hz	220-240/1/50 & 208-230/1/60		
Max circuit/Fuse current		A	25	25	32
Power consumption	Cooling	kW	2.05	2.7	3.45
	Heating	kW	1.9	2.5	2.7
Maximum drive IDU NO.		unit	4	5	6
Refrigerant charge volume		kg	1.8	1.8	2
Sound pressure level		dB(A)	56	56	57
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9
Dimension(W×D×H)	Outline	mm	980×360×790	980×360×790	980×360×790
	Package	mm	1097×477×937	1097×477×937	1097×477×937
Net weight/Gros weight		kg	80/90	80/90	85/95
Loading quantity	40' GP	unit	96	96	96
	40' HQ	unit	96	96	96

Note: The ODU operation temperature range is -5~52℃ in cooling and -20~27℃ in heating.

Model			GMV-120WL/C-T	GMV-140WL/C-T	GMV-141WL/C-T	GMV-160WL/C-T
Capacity range		HP	4	5	5	6
Capacity	Cooling	kW	12.1	14	14.1	16
	Heating	kW	14	16.5	16	18
EER		W/W	3.99	3.90	3.60	3.37
COP		W/W	4.28	4.18	3.85	3.87
Power supply		V/Ph/Hz	220-240/1/50 & 208-230/1/60			
Max circuit/Fuse current		A	32	40	40	40
Power consumption	Cooling	kW	3.03	3.59	3.92	4.75
	Heating	kW	3.27	3.95	4.16	4.65
Maximum drive IDU NO.		unit	7	8	8	9
Refrigerant charge volume		kg	3.3	3.3	3.3	3.3
Sound pressure level		dB(A)	57	58	58	58
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ19.05
Dimension(W×D×H)	Outline	mm	900×340×1345	900×340×1345	940×460×820	900×340×1345
	Package	mm	998×458×1500	998×458×1500	1023×563×973	998×458×1500
Net weight/Gross weight		kg	112/123	112/123	98/108	112/123
Loading quantity	40' GP	unit	57	57	88	57
	40' HQ	unit	57	57	88	57

Note:
(1)The ODU operation temperature range is -5~52℃ in cooling and -20~27℃ in heating.
(2) Heat radiation by refrigerant.

50Hz&60Hz (380-415V)

Model			GMV-120WL/C-X	GMV-140WL/C-X	GMV-160WL/C-X
Capacity range		HP	4	5	6
Capacity	Cooling	kW	12.1	14	16
	Heating	kW	14	16.5	18
EER		W/W	3.99	3.90	3.37
COP		W/W	4.28	4.18	3.87
Power supply		V/Ph/Hz	380V-415V 3N~ 50/60Hz		
Max circuit/Fuse current		A	16	16	16
Power consumption	Cooling	kW	3.03	3.59	4.75
	Heating	kW	3.27	3.95	4.65
Maximum drive IDU NO.		unit	7	8	9
Refrigerant charge volume		kg	3.3	3.3	3.3
Sound pressure level		dB(A)	57	58	58
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ19.05
Dimension(W×D×H)	Outline	mm	900×340×1345	900×340×1345	900×340×1345
	Package	mm	998×458×1500	998×458×1500	998×458×1500
Net weight/Gross weight		kg	122/133	122/133	122/133
Loading quantity	40' GP	unit	57	57	57
	40' HQ	unit	57	57	57

Note: The ODU operation temperature range is -5~52℃ in cooling and -20~27℃ in heating.

Slim
50Hz&60Hz (380-415V)

Model			GMV-224WL/C-X	GMV-280WL/C1-X	GMV-335WL/C1-X
Capacity range		HP	8	10	12
Capacity	Cooling	kW	22.4	28.0	33.5
	Heating	kW	24	28	33.5
EER		W/W	3.66	2.15	2.60
COP		W/W	4.90	3.50	3.20
Max. circuit/Fuse current		A	5	5	5
Power supply		V/Ph/Hz	380V-415V 3N~ 50/60Hz		
Power consumption	Cooling	kW	6.12	11.67	12.88
	Heating	kW	4.90	8.00	10.47
Maximum drive IDU NO.		unit	13	17	20
Refrigerant charge volume		kg	6.5	7.1	8.5
Sound pressure level		dB(A)	61	63	64
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ12.7
	Gas	mm	Φ19.05	Φ22.2	Φ25.4
Dimension (W×D×H)	Outline	mm	940×320×1430	940×460×1615	940×460×1615
	Package	mm	1038×438×1580	1038×578×1765	1038×578×1765
Net weight/Gross weight		kg	133/144	163/175	174/187
Loading quantity	40' GP	unit	56	44	44
	40' HQ	unit	56	44	44

Note: The ODU operation temperature range is -5~52℃ in cooling and -20~27℃ in heating.

GMV5 Max



By adopting advanced technologies such as high-efficiency DC inverter compressor with large capacity and deep sub-cooling technology, the single unit of Gree GMV5 Max can expand its capacity to 90kW for saving space installation cost and device investment cost greatly. At the same time, CAN network communication technology enables the unit to response quickly and it can also improve the user's comfort experience. This unit can be widely used at small and medium office buildings, large-scale shopping malls and villas as well.



All DC inverter technology



Energy saving function



Quiet function



Human engineering operation



Long connection pipe design



Wide operation range



Modular operating*



High ESP

- » DC inverter technology to improve compression efficiency.
- » Wide range of operation condition.
- » Sub-cooling control technology to ensure optimal cooling and heating.
- » High efficiency and more energy saving.
- » Energy-saving operation control technology.
- » G-type heat exchanger is adopted.
- » Intelligent defrosting control.

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	Outdoor condition DB (°C)
Cooling	35	24	27	19	-5~52
Heating	7	6	20	15	-20~24

HP	Model	Product
28	GMV-785W/B-X	
32	GMV-900W/B-X	

Specifications

Model			GMV-785W/B-X	GMV-900W/B-X
Capacity range	HP		28	32
Capacity	Cooling	kW	78.5	90
	Heating	kW	87.5	100
EER		W/W	3.35	3.35
COP		W/W	3.80	3.85
Power supply		V/Ph/Hz	380-415V 3N~ 50/60Hz	
Min. circuit/Max. fuse current		A	55.4/63	71.5/80
Power consumption	Cooling	kW	23.4	26.9
	Heating	kW	23	26
Maximum drive IDU NO.		unit	46	53
Refrigerant charge volume		kg	18.9	24
Sound pressure level		dB(A)	65	65
Connecting pipe	Liquid	mm	Φ19.05	Φ19.05
	Gas	mm	Φ31.8	Φ31.8
Dimension (WxDxH)	Outline	mm	2200×880×1675	2200×880×1675
	Package	mm	2267×952×1867	2267×952×1867
Net weight/Gross weight		kg	500/535	535/565
Loading quantity	40' GP	unit	12	12
	40' HQ	unit	12	12

GMV5 Home



GMV5 Home is a new generation of multi VRF system developed by Gree, integrating "central air conditioning + hot water + floor heating".



Item	Nominal operating condition(temperature)					
	Outdoor condition		Indoor condition		Water	
	DB(°C)	WB(°C)	DB(°C)	WB(°C)	Start(°C)	End(°C)
Cooling	35	24	27	19	/	/
Heating	7	6	20	15	/	/
Hot water	20	15	/	/	15	52

Operation range	Mode	Outdoor condition(°C)
	Cooling	-5~50
	Heating	-15~24
	Water heating	-15~43
	Cooling and water heating	-5~43
	Heating and water heating	-15~24

Outdoor Unit

Model		GMV-S120WL/A-S	GMV-S140WL/A-S	GMV-S160WL/A-S
Capacity	Cooling	12.1	14	16
	Heating	14	16.5	18.5
Power supply	V/Ph/Hz	220-240V-50/60Hz		
Refrigerant charge volume	kg	5	5	5
Rated power input	Cooling	3.05	3.98	4.85
	Heating	3.30	4.10	4.67
	Water heating	/	/	/
Airflow volume	m³/h	6000	6300	6600
	CFM	3531	3708	3884
Sound pressure level	dB(A)	56	56	58
Connecting pipe diameter	Gas	mm	Φ15.9	Φ19.05
	Liquid	mm	Φ9.52	Φ9.52
	Gas	mm	Φ12.7	Φ12.7
	(high pressure)	mm	Φ12.7	Φ12.7
Dimension (W × D × H)	Outline	mm	900 × 340 × 1345	900 × 340 × 1345
	Package	mm	998 × 458 × 1500	998 × 458 × 1500
Net weight/Gross weight	kg	113/123	113/123	113/123
Loading quantity	40' GP	unit	57	57
	40' HQ	unit	57	57

» High efficiency and energy savings. The self-developed DC inverter technology stimulates the intelligence and integration of the system. In full heat recovery mode of "cooling + hot water"; DC inverter water pump is adopted, which has apparent advantages in energy savings, flow-lift regulating range and performance curve.

» Optional quiet modes. The system has got night quiet mode and forced quiet mode, with operation noise as low as 45dB(A).

» Unique comfort functions. The system has got auto heat recovery function in cooling; the heat is recovered automatically for heating water; water heating and floor heating can be available simultaneously; 3D heat supply provides more comfort; the optimized defrosting reduces the fluctuation of indoor temperature.

Water Tank

Model		SXTD200LCJW/A-K
Capacity	L	185
Power supply for electric heater	-	220-240V~50Hz
Input power for electric heater	W	1500
Max. operation pressure	Mpa	0.70
Outline dimensions(W×D×H)	mm	462×462×1944
Package dimensions(W×D×H)	mm	583×583×2045
Water tank gross/net weight	kg	88/75
Outer size of connection pipe	mm	Φ6, Φ9.52
Material of inner tank	-	Enamel
Made of defending cauterization	-	Mg anode

Note: This water tank is matched with side-discharged outdoor unit.

Model			SXTVD300LCJ2/A-K	
Water tank volume		L	300	
Power supply		V/Ph/Hz	230V~50Hz	
Electric heater power		W	3000	
Screw thread spec of pipe	Cool water inlet	inch(mm)	3/4" (19.05)	
	Hot water outlet	inch(mm)	3/4" (19.05)	
Dimension	Outline	Diameter ΦH	mm	Φ620×1725
	Packaged	W×D×H	mm	738×870×1843
Net weight/Gross weight		kg	135/163	
Loading quantity		40'GP/40'HQ	unit	38/57

Hydro Box

Model			NRQD16G/A-S	
Heating capacity		kW	4.5(3.6-16)	
Dimension (W × D × H)	Outline	mm	500 × 919 × 328	
	Package	mm	1158 × 608 × 400	
Power supply		V/Ph/Hz	220-240V ~ 50/60Hz	
Connecting pipe diameter	to ODU	Gas	mm	Φ15.9
		Liquid	mm	Φ9.52
	to water tank	Gas(high pressure)	mm	Φ12.7
			mm	Φ25
Water pump	Type	—	PB-2.5/11-A	
	Power input	kW	0.08-0.14	
	Water flow	L/h	1700.00	
		GPM	7.48	
	Delivery lift	m	6.00	
Net weight/Gross weight		kg	56/62	
Loading quantity		40'GP/40'HQ	unit	1058/1196

Hot Water Converter

Model			NRZ16G/A-S	
Heating capacity		kW	4.5(2.8~5.6)	
Dimension (W×D×H)	Outline	mm	370×135×485	
	Package	mm	473×238×660	
Power supply		V/Ph/Hz	220~240V –50/60Hz	
Connecting pipe diameter	to ODU	Gas	mm	Φ15.9
		Liquid	mm	Φ9.52
		Gas(high pressure)	mm	Φ12.7
Net weight/Gross weight		kg	8.5/13.5	
Loading quantity		40'GP	unit	660

Note:

- * 1: The hot water converter is only matched with the outdoor unit model of GMV-S(120-160)WL/A-S.
- * 2: The hot water converter is only matched with the water tank model of SXTD200LCJW/A-K.

GMV Water



Water Source Heat Pump VRF System integrates the advantages of a water system and DC inverter VRF units. It features the high efficiency and energy saving of water-cooled units and the comfortable and flexible characteristics of VRF units. It utilizes renewable sources as the heating and cooling sources. It can be used in coordination with relevant policy projects or energy conservation projects, providing a new air conditioning solution for tall building structures, hotels, office buildings, shopping centers, etc.



High efficiency



Energy saving function



Quiet function



Wide voltage range



Wide operation range



Modular operating*



Comprehensive protection

- » An external energy source for water source heat pump VRF system
Gree self-developed water source heat pump VRF system utilizes renewable sources such as water and geo-thermal or ground, with higher operating efficiency and lower energy consumption. The waterside can be a cooling tower or boiler or the application of surface water (river water, lake water, seawater), groundwater, geo-thermal or ground heat, solar power, waste heat, wastewater or other kinds of renewable sources.
- » System structure of water source heat pump VRF system
The water source heat pump VRF system is made up of two parts. The first part is the water system that exchanges heat between outdoor units and water/geo-thermal or ground sources. The application of water source/geo-thermal or ground source is varied and can be coordinated with constant-temperature water/geo-thermal or ground, cooling tower or boiler. Compared with the common air-cooled system, it is more energy-saving and space-saving. The second part is the VRF system of outdoor and indoor units, which features the advantages of flexible installation, easy construction, and intelligent control. There is a variety of combinations of indoor units to cope with different applications.
- » Suitable for different construction applications, no influence on building appearance
The water source heat pump VRF system is suitable for different constructions, with no influence on building appearance. The water source heat pump VRF air conditioners do not need to exchange heat with the outdoor air, so it can be installed flexibly to coordinate with the building structure.
- » No influence of weather
The water source heat pump VRF system exchanges heat with water or geo-thermal or ground source through outdoor units, so it won't be affected by the air temperature. In winter, when the system is in the heating operation, outdoor units won't get frosted or run in defrosting mode, so as to guarantee stable heating performance.
- » Same as GMV5, the water source heat pump VRF system adopts CAN communication, so it can be connected with any one type of GMV5 indoor units.

ODU Combination Lineup

380-415V 3N~ 50/60Hz

Model	GMV-W224WM/A-X	GMV-W280WM/A-X	GMV-W335WM/A-X
GMV-W448WM/A-X			
GMV-W504WM/A-X			
GMV-W560WM/A-X			
GMV-W615WM/A-X			
GMV-W670WM/A-X			
GMV-W728WM/A-X			
GMV-W784WM/A-X			
GMV-W840WM/A-X			
GMV-W895WM/A-X			
GMV-W950WM/A-X			
GMV-W1005WM/A-X			
GMV-W1064WM/A-X			
GMV-W1120WM/A-X			
GMV-W1175WM/A-X			
GMV-W1230WM/A-X			
GMV-W1285WM/A-X			
GMV-W1340WM/A-X			

Outdoor Unit

380-415V 3N~ 50/60Hz

Model			GMV-W224WM/A-X	GMV-W280WM/A-X	GMV-W335WM/A-X
Capacity	Cooling	kW	22.4	28	33.5
	Heating	kW	25	31.5	37.5
Sound pressure level		dB(A)	50	52	52
Power supply		V/Ph/Hz	380-415V 3N~50/60Hz		
Water flow volume		m³/h	4.8	6	7.2
Water pressure drop		kPa	16	24	45
Rated power input	Cooling	kW	3.9	5.7	7.9
	Heating	kW	4	5.4	7.35
Refrigerant connecting pipe diameter	Gas	mm	Φ22.2	Φ22.2	Φ25.4
	Liquid	mm	Φ9.52	Φ9.52	Φ12.7
Dimension(W×D×H)	Outline	mm	780×550×1000	780×550×1000	780×550×1000
	Package	mm	833×599×1160	833×599×1160	833×599×1160
Net weight/Gross weight		kg	162/175	162/175	162/175
Loading quantity	40' GP	unit	108	108	108
	40' HQ	unit	108	108	108

Specifications of ODU Combination

380-415V 3N~ 50/60Hz

Model	Power supply	Capacity		Power input		Dimension (W×D×H)	Water flow volume	Connecting pipe		Min. circuit current	Max. fuse current	Weight
		Cooling	Heating	Cooling	Heating			Liquid	Gas			
	V/Ph/Hz	kW	kW	kW	kW			mm	mm			
GMV-W448WM/A-X	380-415V 3N~50/60Hz	44.8	50.0	3.9×2	4.0×2	(780×550×1000)×2	4.8×2	Φ12.7	Φ28.6	16.1×2	20×2	162×2
GMV-W504WM/A-X		50.4	56.5	3.9×5.7	4.0×5.4	(780×550×1000)×2	4.8×6.0	Φ15.9	Φ28.6	16.1×19.7	20×2	162×2
GMV-W560WM/A-X		56.0	63.0	5.7×2	5.4×2	(780×550×1000)×2	6.0×2	Φ15.9	Φ28.6	19.7×2	20×2	162×2
GMV-W615WM/A-X		61.5	69.0	5.7×7.9	5.4×7.35	(780×550×1000)×2	6.0×7.2	Φ15.9	Φ28.6	19.7×26.8	20×32	162×2
GMV-W670WM/A-X		67.0	75.0	7.9×2	7.35×2	(780×550×1000)×2	7.2×2	Φ15.9	Φ28.6	26.8×2	32×2	162×2
GMV-W728WM/A-X		72.8	81.5	3.9×2×5.7	4.0×2×5.4	(780×550×1000)×3	4.8×2×6.0	Φ19.05	Φ31.8	16.1×2×19.7	20×3	162×3
GMV-W784WM/A-X		78.4	88.0	3.9×5.7×2	4.0×5.4×2	(780×550×1000)×3	4.8×6.0×2	Φ19.05	Φ31.8	16.1×19.7×2	20×3	162×3
GMV-W840WM/A-X		84.0	94.5	5.7×3	5.4×3	(780×550×1000)×3	6.0×3	Φ19.05	Φ31.8	19.7×3	20×3	162×3
GMV-W895WM/A-X		89.5	100.5	5.7×2×7.9	5.4×2×7.35	(780×550×1000)×3	6.0×2×7.2	Φ19.05	Φ31.8	19.7×2×26.8	20×2×32	162×3
GMV-W950WM/A-X		95.0	106.5	5.7×7.9×2	5.4×7.35×2	(780×550×1000)×3	6.0×7.2×2	Φ19.05	Φ31.8	19.7×26.8×2	20×32×2	162×3
GMV-W1005WM/A-X		100.5	112.5	7.9×3	7.35×3	(780×550×1000)×3	7.2×3	Φ19.05	Φ38.1	26.8×3	32×3	162×3
GMV-W1064WM/A-X		106.4	119.5	3.9×5.7×3	4.0×5.4×3	(780×550×1000)×4	4.8×6.0×3	Φ19.05	Φ38.1	16.1×19.7×3	20×4	162×4
GMV-W1120WM/A-X		112.0	126.0	5.7×4	5.4×4	(780×550×1000)×4	6.0×4	Φ19.05	Φ38.1	19.7×4	20×4	162×4
GMV-W1175WM/A-X		117.5	132.0	5.7×3×7.9	5.4×3×7.35	(780×550×1000)×4	6.0×3×7.2	Φ19.05	Φ38.1	19.7×3×26.8	20×3×32	162×4
GMV-W1230WM/A-X		136.0	138.0	5.7×2×7.9×2	5.4×2×7.35×2	(780×550×1000)×4	6.0×2×7.2×2	Φ19.05	Φ38.1	19.7×2×26.8×2	20×2×32×2	162×4
GMV-W1285WM/A-X		144.0	144.0	5.7×7.9×3	5.4×7.35×3	(780×550×1000)×4	6.0×7.2×3	Φ19.05	Φ38.1	19.7×26.8×3	20×32×3	162×4
GMV-W1340WM/A-X		150.0	150.0	7.9×4	7.35×4	(780×550×1000)×4	7.2×4	Φ19.05	Φ38.1	26.8×4	32×4	162×4

Indoor Units

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	0.5
	Heating	A	0.5	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	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		32/38	32/38	32/38	32/38	32/38
Loading quantity	40' GP	unit	168	168	168	168	168
	40' HQ	unit	196	196	196	196	196

	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	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		34/40	34/40	34/40	43/49	43/49
Loading quantity	40' GP	unit	168	168	168	138	138
	40' HQ	unit	196	196	196	161	161

Model			GMV-ND71PHS/B-T	GMV-ND80PHS/B-T	GMV-ND90PHS/B-T	GMV-ND100PHS/B-T	GMV-ND112PHS/B-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	100	100	140	140	160
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	0.8	0.8	1.1	1.1	1.1
	Heating	A	0.8	0.8	1.1	1.1	1.1
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)	38/36/34	38/36/34	40/37/35	40/37/35	40/38/36
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	43/49	43/49	57/64	57/64	57/64
Loading quantity	40' GP	unit	138	138	84	84	84
	40' HQ	unit	161	161	98	98	98

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	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ19.05	Φ19.05	Φ19.05
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.0
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	84	60
	40' HQ	unit	98	98	98	98	75

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			220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption			W	100	100	100	105
Airflow volume(H/M/L)			m³/h	850/700/600	850/700/600	850/700/600	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
Sound pressure level(H/M/L)			dB(A)	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
Loading quantity	40' GP	unit	168	168	168	138	138
	40' HQ	unit	196	196	196	161	161

*Note: This model is not suitable for EU market.

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			220-240V~ 50Hz & 208-230V~ 60Hz			
Power consumption			W	900	2500	2550
Airflow volume(H/M/L)			m³/h	4400/4000/3600	8000/6100/5050	8200/6600/5550
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
Sound pressure level(H/M/L)			dB(A)	55/52/50	61/59/56	62/60/57
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
Loading quantity	40' GP	unit	52	24	16	16
	40' HQ	unit	52	36	16	16

* This model is without water pump.

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			220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption			W	50	50	50	50
Airflow volume(H/M/L)			m³/h	550/480/400	550/480/400	550/480/400	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
Sound pressure level(H/M/L)			dB(A)	35/31/29	35/31/29	35/31/29	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
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			220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption			W	110	110	170	170
Airflow volume(H/M/L)			m³/h	1250/1050/950	1250/1050/950	1800/1450/1250	1800/1450/1250
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
Sound pressure level(H/M/L)			dB(A)	40/36/32	40/36/32	42/38/34	42/38/34
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
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
Loading quantity	40' GP	unit	138	138	84	84	84
	40' HQ	unit	161	161	98	98	98

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		kg	54/61	54.5/61.5	54.5/61.5	58/67
Loading quantity	40'GP	unit	84	84	84	84
	40'HQ	unit	98	98	98	98

*Note: This model is not suitable for EU market.

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	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	Φ6.35	Φ6.35	Φ6.35	Φ9.52
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.9
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)	Package	mm	710×462×200	1010×462×200	1010×462×200	1010×462×200	1010×462×200
	Outline	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

Low 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
Capacity	Cooling	kW	6.30	7.10	8.00
	Heating	kW	7.10	8.00	9.00
Power supply		V/Ph/Hz	7.10	220-240V~ 50Hz & 208-230V~ 60Hz	
Power consumption		W	55	55	55
Airflow volume(H/M/L)		m³/h	850/700/550	1100/850/650	1200/950/700
Rated Current	Cooling	A	0.4	0.5	0.5
	Heating	A	0.4	0.5	0.5
ESP		Pa	15/0~30	15/0~30	15/0~30
Sound pressure level(H/M/L)		dB(A)	35/31/29	37/32/30	40/35/31
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	25	25	25
	Thickness	mm	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	1010×462×200	1310×462×200	1310×462×200
	Package	mm	1308×568×275	1608×568×275	1608×568×275
Net weight/Gross weight		kg	25/31	31/37.5	31/37.5
Loading quantity	40' GP	unit	288	229	229
	40' HQ	unit	340	257	257

Medium Static Pressure Duct Type Indoor Unit

Model			GMV-ND56PMS/A-T	GMV-ND63PMS/A-T	GMV-ND71PMS/A-T	GMV-ND80PMS/A-T	GMV-ND90PMS/A-T	GMV-ND100PMS/A-T	GMV-ND112PMS/A-T	GMV-ND125PMS/A-T	GMV-ND140PMS/A-T
Capacity	Cooling	kW	5.6	6.3	7.1	8	9	10	11.2	12.5	14
	Heating	kW	6.3	7.1	8	9	10	11.2	12.5	14	16
Power supply		V/Ph/Hz	220-240V~50Hz 208-230V~60Hz								
Power consumption		W	95	95	95	100	120	120	120	170	170
Airflow volume(H/M/L)		m³/h	1100/900/700	1100/900/700	1100/900/700	1100/900/700	1700/1500/1100	1700/1500/1100	1700/1500/1100	2000/1700/1400	2000/1700/1400
Rated Current	Cooling	A	0.72	0.72	0.72	0.75	0.85	0.85	0.85	1.2	1.2
	Heating	A	0.72	0.72	0.72	0.75	0.85	0.85	0.85	1.2	1.2
ESP		Pa	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80	50/0~80
Sound pressure level(H/M/L)		dB(A)	37/34/31	37/34/31	37/34/31	37/34/31	40/36/32	40/36/32	40/36/32	42/40/37	42/40/37
Connecting	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Dimension (W×D×H)	Outline	mm	900×655×260	900×655×260	900×655×260	900×655×260	1340×655×260	1340×655×260	1340×655×260	1340×655×260	1340×655×260
	Package	mm	1115×772×320	1115×772×320	1115×772×320	1115×772×320	1568×770×323	1568×770×323	1568×770×323	1568×770×323	1568×770×323
Net weight/Gross weigh		kg	29.5/34.0	29.5/34.0	29.5/34.0	30.0/34.5	43.5/50.0	43.5/50.0	43.5/50.0	43.5/50.0	43.5/50.0
Loading quantity	40'GP	unit	224	224	224	224	154	154	154	154	154
	40'HQ	unit	256	256	256	256	176	176	176	176	176

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	9.0
	Heating	kW	6.3	7.1	8.0	9.0	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	mm	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	28.0/36.0	28.0/36.0	28.0/36.0	29.0/37.0
Panel	Model		TF06				
	Dimension (W×D×H)	Outline	mm	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	126
	40' HQ	unit	144	144	144	144	144

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	5.0
	Heating	kW	2.5	3.2	4.0	5.0	5.6
Power supply		V/Ph/Hz	220-240V~50Hz & 208-230V~60Hz				
Power consumption		W	26	26	26	26	28
Airflow volume(H/M/L)		m³/h	800/700/600	800/700/600	800/700/600	800/700/600	900/800/700
Rated current	Cooling	A	0.2	0.2	0.2	0.2	0.2
	Heating	A	0.2	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	34/30/28	35/32/29
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	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
Main body	Dimension (W×D×H)	Outline	mm	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				
	Dimension (W×D×H)	Outline	mm	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	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	16.0
	Heating	kW	11.2	12.5	14.0	16.0	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	mm	840×840×240	840×840×290	840×840×290	840×840×290
		Package	mm	963×963×325	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	36.0/44.0
Panel	Model		TF06				
	Dimension (W×D×H)	Outline	mm	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	113	113	113	113
	40' HQ	unit	144	124	124	124	124

360° Air Discharge Compact Cassette Indoor Unit

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	5.0
	Heating	kW	2.5	3.2	4.0	5.0	5.6
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)		dB(A)	32/29/27	32/29/27	32/29/27	35/30/27	35/30/27
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	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
Main body	Dimension (W×D×H)	mm	840×840×200	840×840×200	840×840×200	840×840×200	840×840×200
	Package	mm	933×933×255	933×933×255	933×933×255	933×933×255	933×933×255
	Net weight/Gross weight	kg	19/23	19/23	19/23	19/23	19/23
Panel	Dimension (W×D×H)	mm	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	152	152	152	152	152
	40'HQ	unit	169	169	169	169	169

Model			GMV-ND66T/D1-T*	GMV-ND63T/D1-T*	GMV-ND71T/D1-T*	GMV-ND80T/D1-T*	GMV-ND90T/D1-T*
Capacity	Cooling	kW	5.6	6.3	7.1	8.0	9.0
	Heating	kW	6.3	7.1	8.0	9.0	10.0
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption		W	60	60	60	75	75
Airflow volume(H/M/L)		m³/h	1100/935/850	1100/935/850	1100/935/850	1400/1000/900	1400/1000/900
Rated current	Cooling	A	0.49	0.49	0.49	0.60	0.60
	Heating	A	0.49	0.49	0.49	0.60	0.60
Sound pressure level(H/M/L)		dB(A)	37/35/32	37/35/32	37/35/32	40/36/31	40/36/31
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)	mm	840×840×200	840×840×200	840×840×200	840×840×240	840×840×240
	Package	mm	933×933×255	933×933×255	933×933×255	933×933×292	933×933×292
	Net weight/Gross weight	kg	21/25	21/25	21/25	22.5/27.5	22.5/27.5
Panel	Dimension (W×D×H)	mm	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	152	152	152	139	139
	40'HQ	unit	169	169	169	157	157

Model			GMV-ND100T/D1-T*	GMV-ND112T/D1-T*	GMV-ND125T/D1-T*	GMV-ND140T/D1-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	100	100	160	160
Airflow volume(H/M/L)		m³/h	1550/1200/1000	1550/1200/1000	1800/1450/1150	1800/1450/1150
Rated current	Cooling	A	0.76	0.76	0.85	0.85
	Heating	A	0.76	0.76	0.85	0.85
Sound pressure level(H/M/L)		dB(A)	43/39/35	43/39/35	46/41/35	46/41/35
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
Main body	Dimension (W×D×H)	mm	840×840×240	840×840×240	840×840×290	840×840×290
	Package	mm	933×933×292	933×933×292	933×933×345	933×933×345
	Net weight/Gross weight	kg	22.5/27.5	22.5/27.5	25/30.5	25/30.5
Panel	Dimension (W×D×H)	mm	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	139	139	117	117
	40'HQ	unit	157	157	135	135

*Note: This model is not suitable for EU market.

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	2.8
	Heating	kW	1.8	2.2	2.5	3.2
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)	mm	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	mm	620×620×47.5	620×620×47.5	620×620×47.5
		Package	mm	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
Loading quantity	40' GP	unit	378	378	378	378
	40' HQ	unit	432	432	432	432

Model			GMV-ND36T/E-T	GMV-ND45T/E-T	GMV-ND50T/E-T	GMV-ND56T/E-T
Capacity	Cooling	kW	3.6	4.5	5.0	5.6
	Heating	kW	4.0	5.0	5.6	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)	mm	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	mm	620×620×47.5	620×620×47.5	620×620×47.5
		Package	mm	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
Loading quantity	40' GP	unit	378	378	378	378
	40' HQ	unit	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	8.0
	Heating	kW	3.2	4.0	5.0	5.6	6.3	7.1	8.0	9.0
Power supply			220-240V~50Hz & 208-230V~60Hz							
Power consumption			20	20	30	30	30	30	55	55
Airflow volume(H/M/L)			671/616/513	671/616/513	715/616/513	715/616/513	764/709/676	764/709/676	816/745/660	816/745/660
Rated current	Cooling	A	0.25	0.25	0.30	0.30	0.30	0.30	0.49	0.49
	Heating	A	0.25	0.25	0.30	0.30	0.30	0.30	0.49	0.49
Sound pressure level(H/M/L)			33/31/26	33/31/28	35/31/28	35/31/28	37/35/32	37/35/32	39/37/34	39/37/34
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	mm	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	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	TE03
	Dimension (W×D×H)	Outline	mm	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	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	6.0/10.5	6.0/10.5
Loading quantity	40' GP	unit	144	144	144	144	144	144	144	144
	40' HQ	unit	166	166	166	166	166	166	166	166

1-way Cassette Indoor Unit

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	4.5	5.0	5.6
	Heating	kW	2.5	3.2	4.0	5.0	5.6	6.3
Power supply			220-240V~50Hz & 208-230V~60Hz					
Power consumption			30	30	30	45	45	45
Airflow volume(H/M/L)			600/500/450	600/500/450	600/500/450	830/600/500	830/600/500	890/667/564
Rated current	Cooling	A	0.2	0.2	0.2	0.3	0.3	0.3
	Heating	A	0.2	0.2	0.2	0.3	0.3	0.3
Sound pressure level(H/M/L)			36/32/28	36/32/28	36/32/28	40/35/30	40/35/30	41/38/35
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Main body	Dimension (W×D×H)	Outline	mm	987×385×178	987×385×178	987×385×178	987×385×178	987×385×178
	Package	mm	1307×501×310	1307×501×310	1307×501×310	1307×501×310	1307×501×310	1307×501×310
Net weight/Gross weight			kg	20/27	20/27	21/28.5	21/28.5	21/28.5
Panel	Model		TD01	TD01	TD01	TD01	TD01	TD01
	Dimension (W×D×H)	Outline	mm	1200×460×55	1200×460×55	1200×460×55	1200×460×55	1200×460×55
	Package	mm	1265×536×121	1265×536×121	1265×536×121	1265×536×121	1265×536×121	1265×536×121
	Net weight/Gross weight	kg	4.2/6	4.2/6	4.2/6	4.2/6	4.2/6	4.2/6
Loading quantity	40' GP	unit	215	215	215	215	215	215
	40' HQ	unit	242	242	242	242	242	242

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			220-240V~50Hz & 208-230V~60Hz		
Power consumption			57	83	83
Airflow volume(H/M/L)			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)			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	mm	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
Panel	Model		TD03	TD03	TD03
	Dimension (W×D×H)	Outline	mm	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
Loading quantity	40' GP	unit	170	170	170
	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			220-240V~50Hz & 208-230V~60Hz					
Power consumption			35	35	55	55	80	80
Airflow volume(H/M/L)			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)			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
Loading quantity	40' GP	unit	252	252	252	252	189	189
	40' HQ	unit	288	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			220-240V~50Hz & 208-230V~60Hz				
Power consumption			120	120	120	150	175
Airflow volume(H/M/L)			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)			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	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			220-240V~ 50Hz & 208-230V~ 60Hz						
Power consumption			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	0.1	0.12	0.17	0.17
	Heating	A	0.1	0.1	0.1	0.1	0.12	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	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20	Φ20
	Thickness	mm	1.5	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	576	576	576	576	512	512

Model			GMV-ND56G/B4B-T	GMV-ND63G/B4B-T	GMV-ND71G/B4B-T	GMV-ND80G/B4B-T	GMV-ND90G/B4B-T	GMV-ND100G/B4B-T
Capacity	Cooling	kW	5.6	6.3	7.1	8.0	9.0	9.5
	Heating	kW	6.3	7.1	7.5	9.0	10.0	10.5
Power supply			220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption			50	50	65	80	80	100
Airflow volume(H/M/L)			m³/h 1100/850/650	1100/850/650	1200/850/650	1550/1050/800	1550/1050/800	1650/1100/900
Rated current	Cooling	A	0.24	0.24	0.31	0.41	0.41	0.41
	Heating	A	0.24	0.24	0.31	0.41	0.41	0.41
Sound pressure level(H/M/L)			dB(A) 43/41/37	43/41/37	44/41/37	49/46/40	49/46/40	52/48/40
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ15.9
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	1078×246×325	1078×246×325	1078×246×325	1350×258×326	1350×258×326	1350×258×326
	Package	mm	1203×338×425	1203×338×425	1203×338×425	1496×357×433	1496×357×433	1496×357×433
Net weight/Gross weight			kg 16/19	16/19	16/19	20/24	20/24	20/24
Loading quantity	40' GP	unit	282	282	282	228	228	228
	40' HQ	unit	329	329	329	266	266	266

Console Indoor Unit

Model			GMV-ND22C/A-T	GMV-ND28C/A-T	GMV-ND36C/A-T	GMV-ND45C/A-T	GMV-ND50C/A-T
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.0
	Heating	kW	2.5	3.2	4.0	5.0	5.5
Power supply			220-240V~ 50Hz & 208-230V~ 60Hz				
Power consumption			15	15	20	40	40
Airflow volume(H/M/L)			m³/h 400/320/270	400/320/270	480/400/310	680/600/500	680/600/500
Rated current	Cooling	A	0.17	0.17	0.25	0.4	0.4
	Heating	A	0.17	0.17	0.25	0.4	0.4
Sound pressure level(H/M/L)			dB(A) 38/33/27	38/33/27	40/37/32	46/43/39	46/43/39
Connecting pipe	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7
Drain pipe	External dia.	mm	Φ28	Φ28	Φ28	Φ28	Φ28
	Thickness	mm	1	1	1	1	1
Dimension (W×D×H)	Outline	mm	700×215×600	700×215×600	700×215×600	700×215×600	700×215×600
	Package	mm	788×283×777	788×283×777	788×283×777	788×283×777	788×283×777
Net weight/Gross weight			kg 16/19	16/19	16/19	16/19	16/19
Loading quantity	40' GP	unit	348	348	348	348	348
	40' HQ	unit	348	348	348	348	348

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			220-240V~ 50Hz & 208-230V~ 60Hz	
Power consumption			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
Drain pipe	External dia.	mm	Φ31	Φ31
	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	7.1
	Heating	kW	2.5	3.2	4.0	5.0	6.3	7.1	8.0
Power supply			220-240V~ 50Hz & 208-230V~ 60Hz						
Power consumption			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	0.46
	Heating	A	0.18	0.18	0.22	0.23	0.41	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	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25	Φ25
	Thickness	mm	1.2	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	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	175
	40' HQ	unit	312	312	312	248	200	200	200

AHU-KIT

Model			GMV-N38U/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		
	Heating	kW	4.0			8.0			16.0			31.5					63.0		
Adjustable capacity	Capacity		28	36	45	56	71	90	112	140	224	280	335	400	450	504	560	840	
	Cooling	kW	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0	22.4	28.0	33.5	40.0	45.0	50.4	56.0	84.0	
	Heating	kW	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0	25.0	31.5	37.5	45.0	50.0	56.5	63.0	94.5	
Power input		W	8			8			8			8					8		
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	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ15.9	Φ15.9	Φ15.9		
	Air handling unit	Liquid pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ19.05
		Gas pipe		Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19.05	Φ22.2	Φ25.4	Φ25.4	Φ28.6	Φ28.6	Φ31.8		
	Connection method		Brazing Connection																
Outline dimension (W×D×H)	EVX box	mm	203×326×85			203×326×85			203×326×85			203×326×85					246×500×120		
	Control box		334×284×111			334×284×111			334×284×111			334×284×111					334×284×111		
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			10.5					13.0		
Gross weight		kg	13.0			13.5			13.5			13.5					17.5		
Loading	40' GP	unit	990			990			990			990					702		
	40' HP	unit	1100			1100			1100			1100					756		

Model			GMV-N580UC-T +GMV-N140UC-T	GMV-N560UC-T +GMV-N280UC-T	GMV-N560UC-T +GMV-N560UC-T	GMV-N560UC-T +GMV-N560UC-T +GMV-N140UC-T	GMV-N560UC-T +GMV-N560UC-T +GMV-N280UC-T	GMV-N560UC-T +GMV-N560UC-T +GMV-N560UC-T	GMV-N560UC-T +GMV-N560UC-T +GMV-N560UC-T
Defaulted capacity of ex-factory	Capacity		840+140	840+280	840+560	840+840	840+840+140	840+840+280	840+840+560
	Cooling	kW	98.0	112.0	140.0	168.0	182.0	196.0	224.0
	Heating	kW	110.5	126.0	157.5	189.0	204.5	220.5	252.0
Power input		W	8+8	8+8	8+8	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	Liquid pipe	mm	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ19.05	Φ22.2
		Gas pipe	mm	Φ38.1	Φ38.1	Φ41.3	Φ41.3	Φ41.3	Φ44.5
	Connection method		Braze 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)×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	(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	(759×645×180)×2 +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+10.5	13.0+13.0+10.5	13.0+13.0+10.5	13.0+13.0+10.5
Gross weight		kg	17.5+13.5	17.5+13.5	17.5+17.5	17.5+17.5+13.5	17.5+17.5+13.5	17.5+17.5+13.5	17.5+17.5+17.5

Fresh Air Processing Indoor Unit

Model			GMV-NDX125P/A-T	GMV-NDX140P/A-T	GMV-NDX224P/A-T	GMV-NDX250P/A-T	GMV-NDX280P/A-T	GMV-NX450P/A(X4.0)-M
Capacity	Cooling ¹⁾	kW	12.5	14.0	22.4	25.0	28.0	45.0
	Heating ²⁾	kW	8.5	10.0	16.0	18.0	20.0	32.0
	Heating ³⁾	kW	10.5	12.0	20.0	20.0	22.0	35.0
Power supply		V/Ph/Hz	220-240V~ 50Hz & 208-230V~ 60Hz					
Power consumption ⁴⁾		W	200/350	200/350	400/760	520/860	520/860	1240
ESP ⁵⁾		Pa	150/50~200	150/50~200	200/50~300	200/50~300	200/50~300	200
Airflow volume (Default/Range) ⁶⁾		m ³ /h	1200/1000~2000	1200/1000~2000	2000/1500~3000	2500/2000~3500	2500/2000~3500	4000
Rated current ⁷⁾	Cooling	A	1.5/2.0	1.5/2.0	2.5/4.3	3.1/4.9	3.1/4.9	3.4
	Heating	A	1.5/2.0	1.5/2.0	2.5/4.3	3.1/4.9	3.1/4.9	3.4
Sound pressure level (Default/Range) ⁸⁾		dB(A)	46/40~50	46/40~50	45/45~54	47/47~54	47/47~54	58
Connecting pipe	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ12.7
	Gas	mm	Φ15.9	Φ15.9	Φ19.05	Φ22.2	Φ22.2	Φ28.6
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ25	Φ33
	Thickness	mm	2.5	2.5	2.0	2.0	2.0	3.0
Dimension (W×D×H)	Outline	mm	1400×700×300	1400×700×300	1483×791×385	1483×791×385	1483×791×385	1700x1100x650
	Package	mm	1601×813×365	1601×813×365	1578×883×472	1578×883×472	1578×883×472	1893x1463x838
Net weight/Gross weight		kg	54/61	54/61	82/104	82/104	82/104	208/266
Loading quantity	40' GP	unit	84	84	52	52	52	16
	40' HQ	unit	98	98	65	65	65	16

Note:

1. Rated cooling capacity test conditions: indoor 35°C DB/28°C WB, outdoor 35°C DB.

2. Rated heating capacity test conditions: indoor 7°C DB, outdoor 7°C DB/6°C WB.

3. Rated heating capacity test conditions: indoor -7°C DB, outdoor 0°C DB / -2.9°C WB.

4. As for power consumption column, the left side of "/" is the rated power, and the right side is the max. power.

5. External static pressure: the left side of "/" is the static pressure of a standard unit while the right side is the static pressure option of a non-standard unit.

6. Air volume: the left side of "/" is the rated air volume while the right side is the adjustable fresh air volume.

7. Input current: the left side of "/" is the rated current while the right side is the maximum current.

8. As to noise: the left side of "/" is the noise value under rated static pressure while the right side is the noise range with the change of static pressure.

Control System Lineup

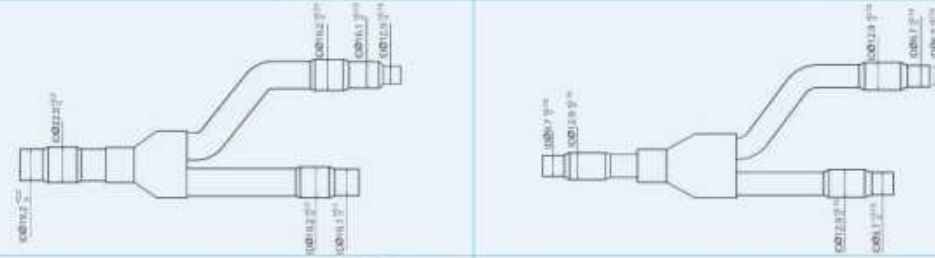
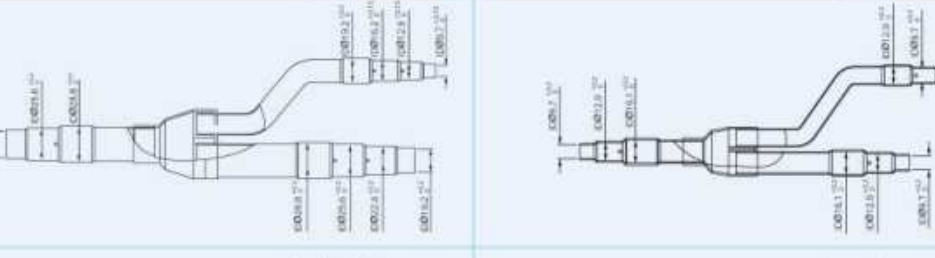
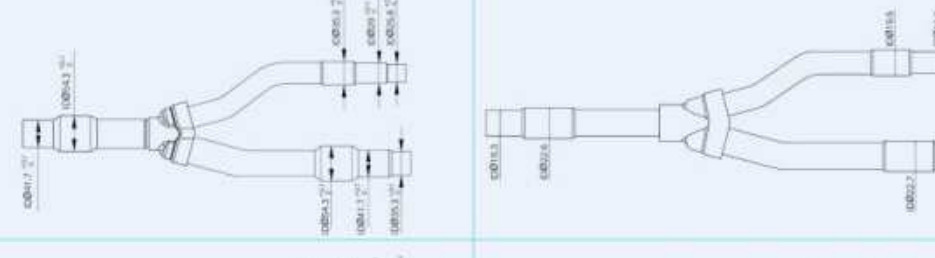
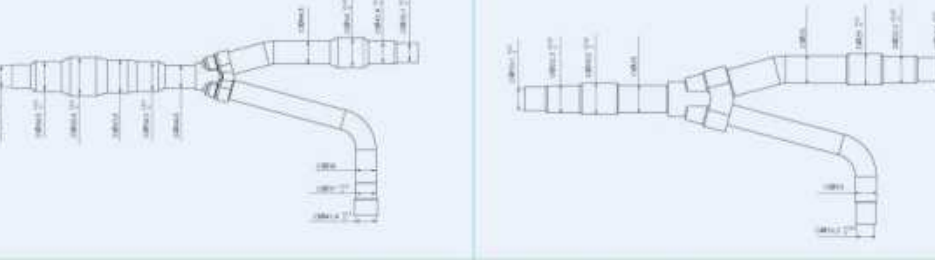
Controlling systems			Outdoor series		GMV6	GMV5	GMV5E	GMV5 Mini	GMV5 Slim	GMV5 Max	GMV5 HR	GMV5 CP	GMV5 Home	GMV5 Water
Long-distance monitor	Intelligent remote eudemon	ME30-24/DF(B)		○	○	○	○	○	○	○	○	○	○	
		ME20-24/D1(T)												
	Gateway of building protocol	ME30-24/E6(M)		○	○	○	○	○	○	○	○		○	
		ME30-24/D1(BM) ME30-24D1(BM)		○	○	○	○	○	○	○	○	○	○	
		ME31-33/EH1(M)		○	○	○	○	○	○	○	○	○	○	
Intellint billing eudemon		FE11-24/D4(B)		○	○	○	○	○	○	○	○			
		ME11-24/D4(B)												
G-Cloud		ME31-00/C3		○	○	○	○	○	○	○	○			
Other modules	Optoelectronic isolated converter	GD02		○	○	○	○	○	○	○	○			
	Optoelectronic isolated signal multiplier	RS485-W		○	○	○	○	○	○	○	○			

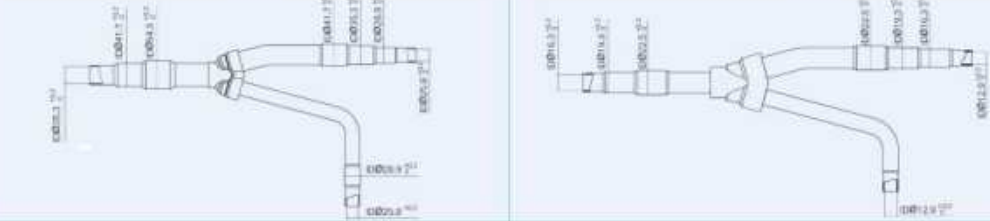
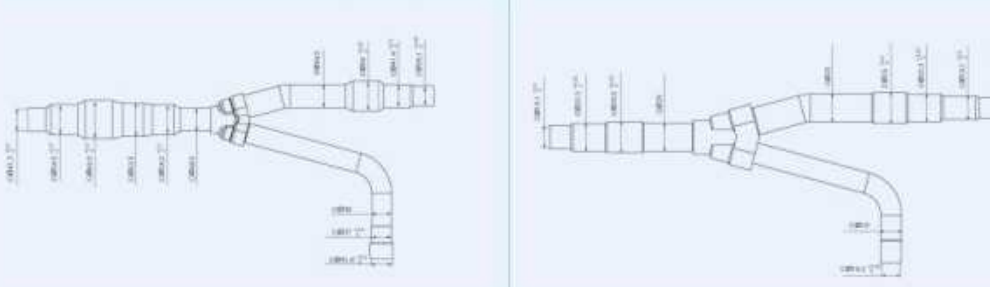
Controlling system		Indoor series	Cassette type	(High ESP, Low ESP, Slim ducted) Duct type	Fresh air processing	Wall mounted eye	Floor ceiling type	Cassette type	Floor standing type	Concealed floor standing type
Wireless controller	YAP1F		●	○	○	●	●	●	●	○
	YAP1F7		○	○	○	○	○	○	○	○
Wired controller	XK46		○	●/○	●	○	○	○	○	●
	XE7A-24/H		○	●/○	○	○	○	○	○	○
	XE7A-24/HC		○	○	○	○	○	○	○	○
	XE73-24/HC		○	○	○	○	○	○	○	○
	XE70-33/H		○	○	○	○	○	○	○	○
Linkage Controller	JS13		○	○	○	○	○	○	○	○
	LE60-24/H1		○	○	○	○	○	○	○	○
E-Smart zone controller	CE54-24/F(C)		○	○	○	○	○	○	○	○
	CE52-24/F(C)		○	○	○	○	○	○	○	○
Debugger	CE42-24/F(C)		○	○	○	○	○	○	○	○

Note : ● means standard, ○ means optional.

XE73-24/HC is under development. Please confirm the final specifications with the sales personnel.

Branching Joint (For GMV6 and GMV X units)

For Indoor & Outdoor Units		
Model	Total capacity X(kW)	Appearance
		Gas pipe Liquid pipe
FQ01A/A	$X < 20$	
FQ01B/A	$20 \leq X \leq 30$	
FQ02/A	$30 < X \leq 70$	
FQ03/A	$70 < X \leq 136$	
FQ04/A	$136 < X \leq 272$	
FQ05/A	$X > 272$	

For Outdoor Units		
Model		Appearance
		Gas pipe Liquid pipe
ML01/A		
ML02/A		

For Indoor Units

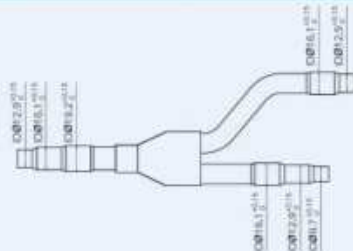
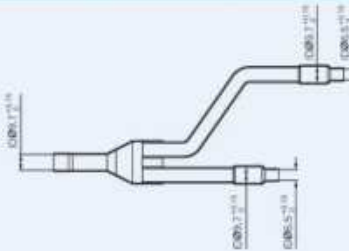
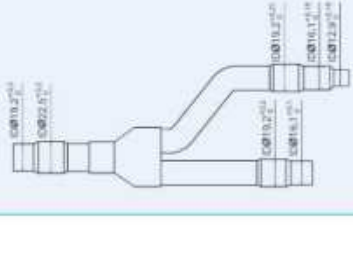
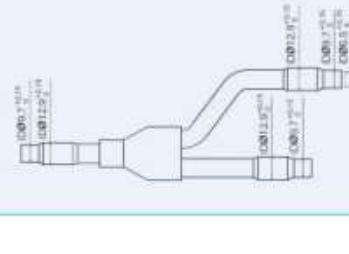
Model	Sort	blueprint
FQ14/H1	Gas pipe	
	Liquid pipe	
FQ18/H1	Gas pipe	
	Liquid pipe	
FQ18/H2	Gas pipe	
	Liquid pipe	

Total rated capacity of downstream indoor units X(kW)	Gas pipe(mm)	Liquid pipe(mm)	Model of manifold pipe
$X \leq 40.0$	$\leq \Phi 25.4$	$\leq \Phi 12.7$	FQ14/H1
$X \leq 68.0$	$\leq \Phi 28.6$	$\leq \Phi 15.9$	FQ18/H1
$68.0 < X$	$\geq \Phi 31.8$	$\geq \Phi 19.05$	FQ18/H2

Branching Joint (For GMV6 HR units)

For Outdoor Units and Mode Exchanger				
Model	Total capacity of the downstream indoor units X(kW)	Appearance		
		High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
FQ01Na/A	$X \leq 5.0$			
FQ02Na/A	$5.0 < X \leq 22.4$			
FQ03Na/A	$22.4 < X \leq 28.0$			
FQ04Na/A	$28.0 < X \leq 68$			
FQ05Na/A	$68 < X \leq 96$			
FQ06Na/A	$96 < X \leq 135$			
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	$X \leq 16$		
FQ01B/A	$16 < X \leq 28.0$		

For Outdoor Units

Model	Module's capacity X(kW)	Appearance		
		High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
ML01R	$50.4 \leq X \leq 96$			
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)

Model	Appearance
	Liquid pipe
FQ02U/A	

Reducer/expander pipe dimensions

OD 53.9 CF 333(54/45) ID 44.7	OD 41.2 CF 334(41/38) ID 38.3	OD 34.9 CF 335(35/32) ID 32.1	OD 34.9 CF 336(35/29) ID 28.9
OD 28.7 CF 337(29/25) ID 25.6	OD 25.5 CF 338(26/22) ID 22.4	OD 25.5 CF 339(26/19) ID 19.3	OD 19.0 CF 340(19/16) ID 16.3
OD 16.0 CF 341(16/13) ID 12.9	OD 12.6 CF 342(13/10) ID 9.7	OD 12.6 CF 343(13/6) ID 6.5	OD 9.52 CF 344(10/6) ID 6.3
OD 12.6 CF 345(13/16) ID 16.3	OD 16.0 CF 346(16/19) ID 19.3	OD 19.0 CF 347(19/22) ID 22.3	OD 22.3 CF 348(23/25) ID 25.6
OD 28.7 CF 349(29/32) ID 32			

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

Energy Recovery Ventilation(ERV)

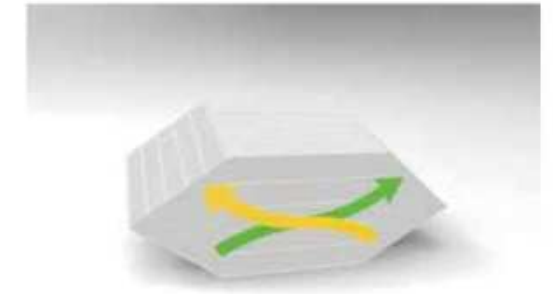


Gree Energy Recovery Ventilation System is designed especially for providing healthy and fresh indoor air, constant air volume and comfortable temperature and humidity with less power consumption. With F7-grade filter, it can effectively remove PM10, PM2.5 and other particles in the air;

Through the total heat exchange core that is made of high-polymer material, the air led from the outside will have efficient heat exchange with the discharged air. Heat exchange efficiency is up to 80%. It is applicable to houses, villas, banks, office buildings and other places with fresh air demand.

Adopts Hexahedral Total Heat Exchange Core

> It adopts hexahedral total heat exchange core, which provides reverse ventilation passage for fresh air and discharged air while preventing the mixture of fresh air and discharged air. Temperature exchange efficiency is 80% at most.



Air Volume Multi-selection Control

> 5 options of air volume are available. Each option differs obviously from another. It can satisfy different fresh air requirements under different housing areas and different pipe dimensions.

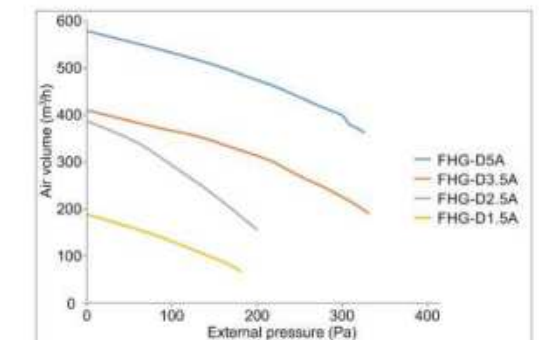
350 m ³ /h	High
300 m ³ /h	Medium high
250 m ³ /h	Medium
200 m ³ /h	Medium low
150 m ³ /h	Low

Note: The above air volume data is tested base on model FHBQGL-D3.5DA-T.

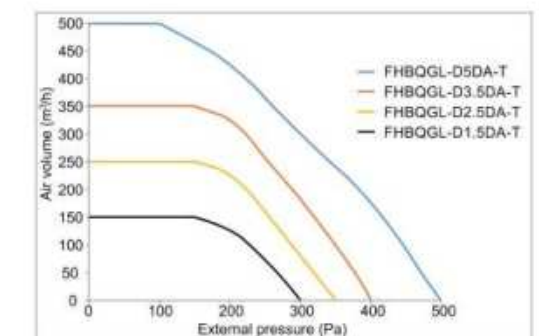


Constant Fresh Air Volume

> System adopts DC motor and constant air volume control to realize air provision that will not be attenuated under certain range of static pressure. It can maintain sufficient supply of fresh air during operation, providing users with super comfortable experience.

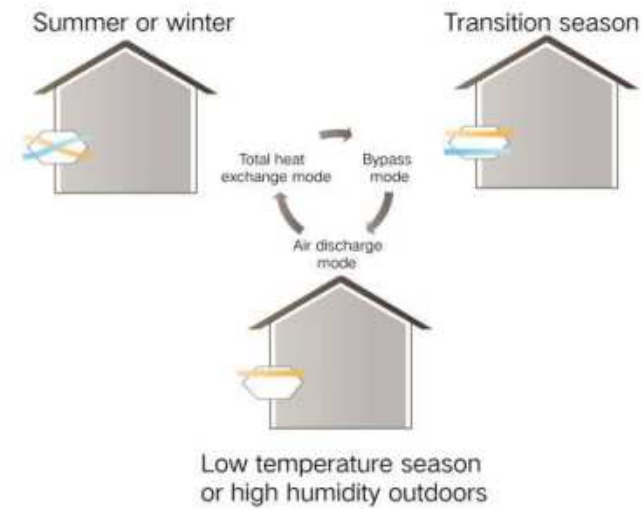


> The right diagram shows the air volume/static pressure curve of common AC motor. We can see that as the static pressure increases (filter gets more dirty), the volume of fresh air is attenuated correspondingly. As the operation goes on and on, fresh air volume may not be able to satisfy the design requirement.



Comfortable Temperature and Humidity

> Temperature and humidity change a lot in different seasons. The system can automatically switch into bypass mode, air discharge mode, or total heat exchange mode during operation based on the detected temperature and humidity both indoors and outdoors, so you will enjoy comfortable air supply regardless of the seasons.

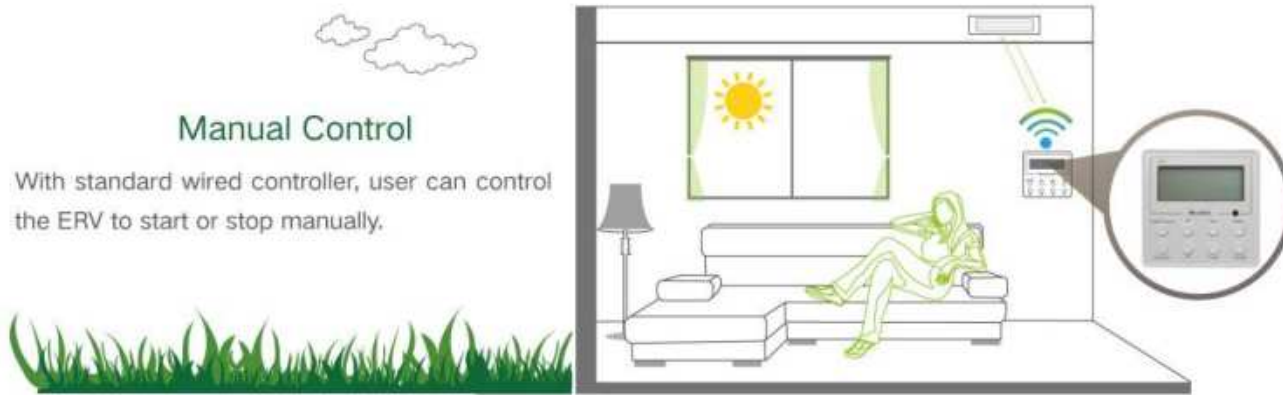


Intelligent Control

> System has manual control, linked control and auto control functions. When you connect the ERV with Multi VRF units, it can realize linked control; when you connect the ERV with air quality detection module, it can realize auto control function.

Manual Control

With standard wired controller, user can control the ERV to start or stop manually.



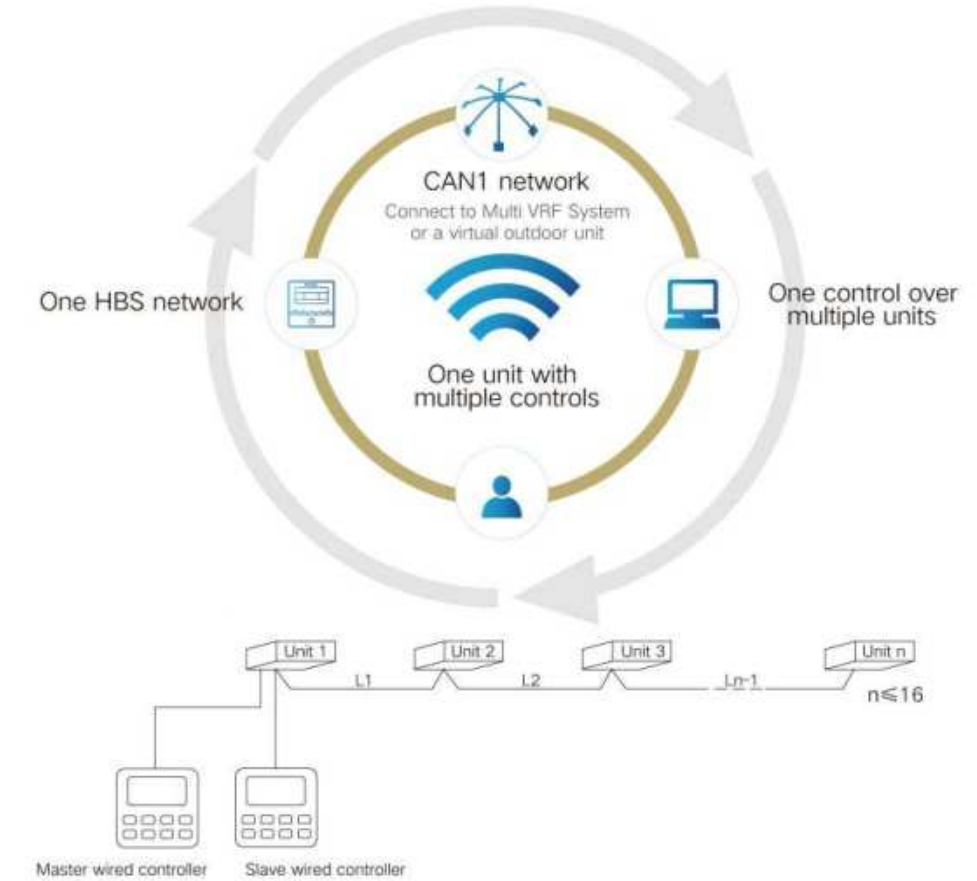
Linked Control

By connecting the ERV system with GMV5 DC Inverter Multi VRF system through a communication line, user can set linked control.



“One Unit with Multiple Controls” and “One Control over Multiple Units”

> System can be connected with two wired controllers, i.e. master controller and slave controller. Both of them can control the system at the same time. When the Multi VRF System or a virtual outdoor unit is connected, one HBS network can control up to 16 units.



Smart Structural Design

> The service access port adopts clasp design and hinge design, which is convenient for the maintenance of filter, total heat exchange core and the motor. The thickness of the device is only 220/240mm. It occupies less ceiling space, which is convenient for ceiling installation.



Specifications

Model			FH8QGL-D1.5DA-S	FH8QGL-D2.5DA-S	FH8QGL-D3.5DA-S	FH8QGL-D5DA-S	
Rated voltage			V	220-240	220-240	220-240	
Rated frequency			Hz	50/60	50/60	50/60	
Power input			kW	0.05	0.1	0.15	
Current input			A	0.35	0.7	1	
Indoor unit	Airflow volume		CFM	88	147	206	294
			m³/h	150	250	350	500
	ESP	Rated	Pa	100	100	100	100
	Thermal exchange efficiency		%	78	75	65	75
	Sound power level		dB	39	44	49	55
	Dimension (W × D × H)	Outline	mm	1160 × 700 × 220	1160 × 700 × 220	1200 × 785 × 240	1385 × 785 × 240
		Package	mm	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
Ventiduct	Outer diameter		mm	160	160	160	200
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			FH8QGL-D1.5DA-T	FH8QGL-D2.5DA-T	FH8QGL-D3.5DA-T	FH8QGL-D5DA-T
Air flow volume			m³/h	150	250	350
ESP			Pa	100	100	100
Temperature exchange efficiency			%	80	75	76
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
Power input			kW	0.050	0.105	0.155
Sound power level			dB	43	50	55
Dimension (W × D × H)	Outline	mm	1160 × 700 × 220	1160 × 700 × 220	1200 × 785 × 240	1385 × 785 × 240
	Package	mm	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
Loading quantity			40'GP/40'HQ	unit	172/195	121/140
SEC class			-	A	B	-

Control System Lineup

Product series			ERV
Control system			
Wired controller	XK112		●
Centralized controller	CE52-24/F(C)		○

Note : ● means standard, ○ means optional.

ERV+DX COIL



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



» 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.

» 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.

» Multiple operation modes: Total heat exchange mode: The fresh air side and air discharge side can have heat exchange for efficient energy recovery. By-pass mode: Ventilation without heat exchange. Air discharge mode: Only air discharge side is turned on for ventilation.



Specifications

Model				GMV-VDR5PH/SA-S	GMV-VDR8PH/SA-S	GMV-VDR10PH/SA-S
Rated voltage			V	220-240		
Rated frequency			Hz	50/60		
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	294	471	589
			m³/h	500	800	1000
	ESP	Rated	Pa	150	150	150
	Thermal exchange efficiency		%	73	74	73
	Sound power level		dB	55	59	62
	Dimension (W×D×H)	Outline	mm	1700×880×340	1800×1185×390	1800×1185×390
		Package	mm	1988×1138×535	2110×1440×567	2110×1440×567
	Net weight/Gross weight		kg	120/175	158/225	158/225
Ventiduct	Outer diameter		mm	200	250	250
Loading quantity	20' GP/40' GP/40' HQ		set	20/44/44	16/32/32	16/32/32
Standard wired controller				XE70-33/H		



AIR TO WATER

Versati IV (Monobloc Type)

Versati III (Split Type)

Versati III (All in One)

Versati III (Monobloc Type)

Integral Type Water Heater

Split Type Water Heater

Direct & Circulating Air Source Heat Pump Water Heater

Versati IV Monobloc

R32

VERSATI, a DC inverter multifunctional air-to-water heat pump with advanced heat pump technology, absorbs natural heat from the ambient air and then releases heat to the room or water. It not only satisfies room heating requirements but also supplies domestic hot water. Besides, VERSATI can also provide you with cool air in hot summer.



» It adopts a two-stage compressor technology to improve the heating capacity and energy efficiency under low temperature, with A7W35 COP up to 5.4, and average climate SCOP 35°C, A+++.

» It can be combined with a fan coil unit, heat radiator, floor heating and a hot water tank to provide five working modes including cooling, heating and water heating.

» Versati is equipped with a 5-inch high-definition LCD touch screen, which provides 20 languages to suit users of different countries and regions.

» User can set the relationship between ambient temperature and room temperature. The targeted room temperature will change accordingly with room load and ambient temperature change so as to bring comfort to users and achieve energy saving.

» User can set the quiet time, for example, all day long or night time only, to improve the level of comfort.



Item	Water side	Heat source/User side
	Leaving water temperature(°C)	Dry bulb temperature(°C)
Cooling	5~25	-15~48
Heating	20~65	-25~35
Water heating	40~80	-25~45

Note: When operating conditions are out of the range listed above, please contact Gree.

Model			GRS-CQ4.0Pd/ NhG3-E	GRS-CQ6.0Pd/ NhG3-E	GRS-CQ8.0Pd/ NhG3-E	GRS-CQ10Pd/ NhG3-E	GRS-CQ12Pd/ NhG3-E	GRS-CQ14Pd/ NhG3-E	GRS-CQ16Pd/ NhG3-E
Capacity (Floor)	Cooling	kW	5.00	6.50	8.30	10.20	12.00	13.70	15.50
	Heating	kW	5.00	6.00	8.20	10.20	12.00	14.20	15.70
Power input(Floor)	Cooling	kW	0.96	1.28	1.56	2.00	2.45	3.00	3.60
	Heating	kW	0.93	1.11	1.54	2.02	2.43	2.99	3.45
EER(Floor Cooling)		WW	5.20	5.10	5.32	5.10	4.90	4.57	4.31
COP(Floor Heating)		WW	5.40	5.40	5.32	5.05	4.94	4.75	4.55
Capacity (Fan Coil)	Cooling	kW	4.90	5.70	7.40	9.00	11.10	13.30	13.80
	Heating	kW	4.90	6.80	8.30	10.20	13.00	14.20	16.20
Power input (Fan Coil)	Cooling	kW	1.40	1.78	2.00	2.66	3.58	4.75	5.09
	Heating	kW	1.17	1.66	1.90	2.50	3.45	3.84	4.49
EER(Fan Coil)		WW	3.50	3.25	3.70	3.40	3.10	2.80	2.71
COP(Fan Coil or Radiator)		WW	4.20	4.10	4.36	4.08	3.77	3.70	3.61
Refrigerant charge volume		kg	0.95	0.95	1.60	1.60	2.20	2.20	2.20
Electric heater	Operation	-	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
	Steps	-	2	2	2	2	2	2	2
	Capacity	kW	3	3	6	6	6	6	6
	Combination	kW	1.5+1.5	1.5+1.5	3+3	3+3	3+3	3+3	3+3
	Power input	V/Phz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz
Sanitary water temperature		℃	40~80	40~80	40~80	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	51	52	52	54	54	55	56
	Heating	dB(A)	53	53	54	56	56	58	59
Dimensions	Outline (W×D×H)	mm	1150	1150	1206	1206	1206	1206	1206
		mm	365	365	445	445	445	445	445
		mm	735	735	878	878	878	878	878
	Packaged (W×L×H)	mm	903	903	953	953	953	953	953
		mm	1258	1258	1338	1338	1338	1338	1338
		mm	900	900	1020	1020	1020	1020	1020
Net weight		kg	95	95	127.0	127.0	142.0	142.0	
Gross weight		kg	112	112	148.0	148.0	161.0	161.0	
Loading quantity	20' Container	unit	38	38	32	32	32	32	32
	40' Container	unit	82	82	66	66	66	66	66
	40' High Cube Container	unit	82	82	66	66	66	66	66

Model			GRS-CQ8.0Pd/ NhG3-M	GRS-CQ10Pd/ NhG3-M	GRS-CQ12Pd/ NhG3-M	GRS-CQ14Pd/ NhG3-M	GRS-CQ16Pd/ NhG3-M
Capacity (Floor)	Cooling	kW	8.30	10.20	12.00	13.90	15.40
	Heating	kW	8.20	10.20	12.00	14.20	15.70
Power input(Floor)	Cooling	kW	1.64	2.13	2.61	3.32	4.05
	Heating	kW	1.62	2.06	2.49	3.09	3.57
EER(Floor Cooling)		WW	5.06	4.79	4.60	4.19	3.80
COP(Floor Heating)		WW	5.06	4.95	4.82	4.60	4.40
Capacity (Fan Coil)	Cooling	kW	7.10	9.10	11.10	13.30	13.80
	Heating	kW	8.20	10.20	13.00	14.20	16.20
Power input (Fan Coil)	Cooling	kW	2.10	2.80	3.58	4.75	5.09
	Heating	kW	2.05	2.60	3.45	3.84	4.49
EER(Fan Coil)		WW	3.38	3.25	3.10	2.80	2.71
COP(Fan Coil or Radiator)		WW	4.00	3.92	3.77	3.70	3.61
Refrigerant charge volume		kg	1.60	1.60	2.20	2.20	2.20
Electric heater	Operation	-	Field supply	Field supply	Automatic	Automatic	Automatic
	Steps	-	2	2	2	2	2
	Capacity	kW	6	6	6	6	6
	Combination	kW	3+3	3+3	3+3	3+3	3+3
	Power input	V/Phz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz
Sanitary water temperature		℃	40~80	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	52	54	54	55	56
	Heating	dB(A)	54	56	56	58	59
Dimensions	Outline (W×D×H)	mm	1206	1206	1206	1206	1206
		mm	445	445	445	445	445
		mm	878	878	878	878	878
	Packaged (W×L×H)	mm	953	953	953	953	953
		mm	1338	1338	1338	1338	1338
		mm	1020	1020	1020	1020	1020
Net weight		kg	141.0	141.0	148.0	148.0	
Gross weight		kg	159.0	159.0	166.0	166.0	
Loading quantity	20' Container	unit	32	32	32	32	32
	40' Container	unit	66	66	66	66	66
	40' High Cube Container	unit	66	66	66	66	66

Model			GRS-CQ4.0Pd/ NhG4-E	GRS-CQ6.0Pd/ NhG4-E	GRS-CQ8.0Pd/ NhG4-E	GRS-CQ10Pd/ NhG4-E	GRS-CQ12Pd/ NhG4-E	GRS-CQ14Pd/ NhG4-E	GRS-CQ16Pd/ NhG4-E
Capacity (Floor)	Cooling	kW	5.00	6.50	8.30	10.20	12.00	13.70	15.50
	Heating	kW	5.00	6.00	8.20	10.30	12.00	14.20	15.70
Power input(Floor)	Cooling	kW	0.96	1.28	1.56	2.00	2.45	3.00	3.60
	Heating	kW	0.93	1.11	1.54	2.02	2.43	2.99	3.45
EER(Floor Cooling)		W/W	5.20	5.10	5.32	5.10	4.90	4.57	4.31
COP(Floor Heating)		W/W	5.40	5.40	5.32	5.05	4.94	4.75	4.55
Capacity (Fan Coil)	Cooling	kW	4.90	5.70	7.40	9.00	11.10	13.00	13.80
	Heating	kW	4.90	6.80	8.30	10.20	13.00	14.20	16.20
Power input (Fan Coil)	Cooling	kW	1.40	1.76	2.00	2.65	3.58	4.75	5.09
	Heating	kW	1.17	1.66	1.90	2.50	3.45	3.84	4.49
EER(Fan Coil)		W/W	3.50	3.25	3.70	3.40	3.10	2.80	2.71
COP(Fan Coil or Radiator)		W/W	4.20	4.10	4.36	4.08	3.77	3.70	3.61
Refrigerant charge volume		kg	0.95	0.95	1.60	1.60	2.20	2.20	2.20
Sanitary water temperature		℃	40~80	40~80	40~80	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	51	52	52	54	54	55	56
	Heating	dB(A)	53	53	54	56	56	58	59
Dimensions	Outline (W × D × H)	mm	1150	1150	1206	1206	1206	1206	1206
		mm	365	365	445	445	445	445	445
		mm	735	735	878	878	878	878	878
	Packaged (W × L × H)	mm	503	503	553	553	553	553	553
		mm	1258	1258	1338	1338	1338	1338	1338
		mm	900	900	1020	1020	1020	1020	1020
Net weight		kg	90	90	120.0	120.0	138.0	138.0	
Gross weight		kg	106	106	139.0	139.0	156.0	156.0	
Loading quantity	20' Container	unit	38	38	32	32	32	32	32
	40' Container	unit	82	82	66	66	66	66	66
	40' High Cube Container	unit	82	82	66	66	66	66	66

Model			GRS-CQ8.0Pd/NhG4-M	GRS-CQ10Pd/NhG4-M	GRS-CQ12Pd/NhG4-M	GRS-CQ14Pd/NhG4-M	GRS-CQ16Pd/NhG4-M
Capacity (Floor)	Cooling	kW	8.30	10.20	12.00	13.90	15.40
	Heating	kW	8.20	10.20	12.00	14.20	15.70
Power Input(Floor)	Cooling	kW	1.64	2.13	2.61	3.32	4.05
	Heating	kW	1.62	2.06	2.49	3.09	3.57
EER(Floor Cooling)		W/W	5.06	4.79	4.60	4.19	3.89
COP(Floor Heating)		W/W	5.06	4.95	4.82	4.60	4.40
Capacity (Fan Coil)	Cooling	kW	7.10	9.10	11.10	13.30	13.80
	Heating	kW	8.20	10.20	13.00	14.20	16.20
Power input (Fan Coil)	Cooling	kW	2.10	2.80	3.58	4.75	5.09
	Heating	kW	2.05	2.60	3.45	3.84	4.49
EER(Fan Coil)		W/W	3.38	3.25	3.10	2.80	2.71
COP(Fan Coil or Radiator)		W/W	4.00	3.92	3.77	3.70	3.61
Refrigerant charge volume		kg	1.60	1.60	2.20	2.20	2.20
Sanitary water temperature		°C	40~80	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	52	54	54	56	56
	Heating	dB(A)	54	56	56	58	59
Dimensions	Outline (W × D × H)	mm	1206	1206	1206	1206	1206
		mm	445	445	445	445	445
		mm	878	878	878	878	878
	Packaged (W × L × H)	mm	553	553	553	553	553
		mm	1338	1338	1338	1338	1338
		mm	1020	1020	1020	1020	1020
Net weight		kg	134.0	134.0	144.0	144.0	
Gross weight		kg	152.0	152.0	162.0	162.0	
Loading quantity	20' Container	unit	32	32	32	32	32
	40' Container	unit	66	66	66	66	66
	40' High Cube Container	unit	66	66	66	66	66

Versati III (Split Type)

R32

It's a kind of integrated DC inverter unit that comprises cooling, heating and water heating functions, with up to 5.0 energy efficiency. It adopts R32 refrigerant and two-stage compressor. For heating, ambient temperature range is -25~35°C, while the leaving water temperature range is 25~60°C.



- » Floor debugging function;
- » Integrated structure, simple installation, less installation cost; R32 refrigerant, low GWP;
- » Adopt two-stage compressor to widen the ambient temperature range for heating;
- » Leaving water temperature up to 60°C, applicable to various heating terminals.



Item	Water side	Heat source/User side
	Leaving water temperature(°C)	Dry bulb temperature(°C)
Cooling	7~25	10~48
Heating	20~60	-25~35
Water heating	40~80(Water tank)	-25~45

Note: When operating conditions are out of the range listed above, please contact Gree.

Specifications

Model			GRS-CQ4.0Pd /NhH2-E(O)	GRS-CQ6.0Pd /NhH2-E(O)	GRS-CQ8.0Pd /NhH2-E(O)	GRS-CQ10Pd /NhH2-E(O)	GRS-CQ12Pd /NhH-E(O)	GRS-CQ14Pd /NhH-E(O)	GRS-CQ16Pd /NhH-E(O)
Power supply		V/Ph/Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz
Capacity ¹⁾	Cooling ²⁾	kW	3.9	5.8	7.7	9.35	11.00	12.60	13.00
	Heating ³⁾	kW	4	6	8	10	12.00	14.00	15.50
Power input ⁴⁾	Cooling ²⁾	kW	0.68	1.13	1.72	2.36	2.50	3.41	3.60
	Heating ³⁾	kW	0.77	1.20	1.61	2.10	2.40	2.98	3.44
EER/COP ⁵⁾		W/W	5.74/5.2	5.15/5	4.48/4.97	3.96/4.76	4.40/5.00	3.70/4.70	3.61/4.50
Capacity ²⁾	Cooling ³⁾	kW	3.4	4	7.15	7.6	10.59	11.07	11.51
	Heating ³⁾	kW	4.1	5.8	8	9.85	12.40	14.48	16.09
Power input ²⁾	Cooling ³⁾	kW	0.92	1.16	2.49	2.77	3.79	4.18	4.49
	Heating ³⁾	kW	1.04	1.52	2.07	2.69	3.29	3.93	4.44
EER/COP ²⁾		W/W	3.69/3.94	3.45/3.82	2.87/3.86	2.74/3.67	2.79/3.77	2.65/3.68	2.56/3.62
Refrigerant charge volume		kg	1.1	1.1	1.84	1.84	1.84	1.84	1.84
Sanitary water temperature		°C	40~80	40~80	40~80	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	52	52	55	55	57	58	58
	Heating	dB(A)	52	52	55	55	57	58	58
Connecting pipe	Gas	inch(mm)	1/2"(12)	1/2"(12)	1/2"(12)	1/2"(12)	5/8"(16)	5/8"(16)	5/8"(16)
	Liquid	inch(mm)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)
Dimensions (W × D × H)	Outline	mm	975 × 396 × 702	975 × 396 × 702	982 × 427 × 787	982 × 427 × 787	940 × 460 × 820	940 × 460 × 820	940 × 460 × 820
	Packaged	mm	1029 × 458 × 845	1029 × 458 × 845	1097 × 478 × 937	1097 × 478 × 937	1103 × 573 × 973	1103 × 573 × 973	1103 × 573 × 973
Net weight/Gross weight		kg	55/63	55/63	82/92	82/92	104/114	104/114	104/114
Loading quantity	40'GP	unit	114	114	96	96	84	84	84
	40'HQ	unit	171	171	96	96	84	84	84

Model			GRS-CQ4.0Pd/NhH2-E(I)	GRS-CQ6.0Pd/NhH2-E(I)	GRS-CQ8.0Pd/NhH2-E(I)	GRS-CQ10Pd/NhH2-E(I)
Power supply		V/Ph/Hz	230V~ 50	230V~ 50	230V~ 50	230V~ 50
Nominal input		kW	3.1	3.1	6.1	6.1
Leaving Water Temperature	Cooling(fan coil)	°C	7	7	7	7
	Cooling(floor)	°C	18	18	18	18
	Heating(fan coil)	°C	45	45	45	45
	Heating(floor)	°C	35	35	35	35
Pump	Type	-	Water-cooled	Water-cooled	Water-cooled	Water-cooled
	Nr.of speed	-	variable-speed	variable-speed	variable-speed	variable-speed
	Power input	W	2~75	2~75	2~75	2~75
	Water flow limit	LPM	12	12	12	12
Electric heater	Operation	-	Automatic	Automatic	Automatic	Automatic
	Steps	-	2	2	2	2
	Capacity	kW	3	3	6	6
	Combination	-	1.5+1.5	1.5+1.5	3+3	3+3
	Power input	kW	3	3	6	6
Sound pressure level		dB(A)	29	29	29	29
Connecting pipe	Gas	inch(mm)	1/2"(12)	1/2"(12)	1/2"(12)	1/2"(12)
	Liquid	inch(mm)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)
Dimensions(W × D × H)	Outline	mm	860 × 318 × 460	860 × 318 × 460	860 × 318 × 460	860 × 318 × 460
	Packaged	mm	1133 × 390 × 568	1133 × 390 × 568	1133 × 390 × 568	1133 × 390 × 568
Net weight/Gross weight		kg	58/67	58/67	58/67	58/67
Loading quantity	40'GP	unit	240	240	240	240
	40'HQ	unit	240	240	240	240

Note:

1.Capacity and power input are based on the following conditions:

- **Cooling conditions.**
Outdoor air temperature 35°C DB/-WB.
Entering water temperature 23°C.
Leaving water temperature 18°C
- **Heating conditions.**
Outdoor air temperature 7°C DB/6°C WB.
Entering water temperature 30°C.
Leaving water temperature 35°C
Standing piping length 5m.

3. For floor cooling.
4. For floor heating.
5. For fan coil unit.
6. For fan coil or radiator.

2.Capacity and power input are based on the following conditions:

- **Cooling conditions.**
Outdoor air temperature 35°C DB/-WB.
Entering water temperature 12°C.
Leaving water temperature 7°C
- **Heating conditions.**
Outdoor air temperature 7°C DB/6°C WB.
Entering water temperature 40°C.
Leaving water temperature 45°C
Standing piping length 5m.

Model			GRS-CQ12Pd /NhH-E(I)	GRS-CQ14Pd /NhH-E(I)	GRS-CQ16Pd /NhH-E(I)
Power supply		V/Ph/Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz
Nominal input		kW	6.1	6.1	6.1
Leaving water temperature	Cooling ⁴⁾	°C	18	18	18
	Cooling ²⁾	°C	7	7	7
	Heating ⁴⁾	°C	35	35	35
	Heating ²⁾	°C	45	45	45
Pump	Type	-	Water-cooled	Water-cooled	Water-cooled
	Nr. of speed	-	variable-speed	variable-speed	variable-speed
	Power input	W	3~87	3~87	3~87
	Water flow limit	LPM	12	12	12
Electric heater	Operation	-	Automatic	Automatic	Automatic
	Steps	-	2	2	2
	Capacity	kW	6	6	6
	Combination	kW	3+3	3+3	3+3
	Power input	V/Ph/Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz
Sound pressure level		dB(A)	29	29	29
Connecting pipe	Gas	inch(mm)	5/8"(16)	5/8"(16)	5/8"(16)
	Liquid	inch(mm)	1/4"(6)	1/4"(6)	1/4"(6)
Dimensions (W × D × H)	Outline	mm	860 × 460 × 318	860 × 460 × 318	860 × 460 × 318
	Packaged	mm	1133 × 568 × 390	1133 × 568 × 390	1133 × 568 × 390
Net weight/Gross weight		kg	58/67	58/67	58/67
Loading quantity	40'GP	unit	240	240	240
	40'HQ	unit	240	240	240

Note:

1.Capacity and power input are based on the following conditions:

- **Cooling conditions.**
Outdoor air temperature 35°C DB/-WB.
Entering water temperature 23°C.
Leaving water temperature 18°C
- **Heating conditions.**
Outdoor air temperature 7°C DB/6°C WB.
Entering water temperature 30°C.
Leaving water temperature 35°C
Standing piping length 5m.

3. For floor cooling.
4. For floor heating.
5. For fan coil unit.
6. For fan coil or radiator.

2.Capacity and power input are based on the following conditions:

- **Cooling conditions.**
Outdoor air temperature 35°C DB/-WB.
Entering water temperature 12°C.
Leaving water temperature 7°C
- **Heating conditions.**
Outdoor air temperature 7°C DB/6°C WB.
Entering water temperature 40°C.
Leaving water temperature 45°C
Standing piping length 5m.

Model			GRS-CQ8Pd/NhH-M(O)	GRS-CQ10Pd/NhH-M(O)	GRS-CQ12Pd/NhH-M(O)	GRS-CQ14Pd/NhH-M(O)	GRS-CQ16Pd/NhH-M(O)
Power supply	V/Ph/Hz		400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz
Capacity ¹⁾	Cooling ²⁾	kW	8.00	10.0	11.0	12.6	13.0
	Heating ²⁾	kW	8.00	10.0	12.0	14.0	15.5
Power input ¹⁾	Cooling ²⁾	kW	1.74	2.33	2.50	3.41	3.60
	Heating ²⁾	kW	1.63	2.15	2.40	2.98	3.44
EER/COP ¹⁾	W/W		4.60/4.91	4.29/4.65	4.40/5.00	3.70/4.70	3.61/4.51
Capacity ²⁾	Cooling ²⁾	kW	7.60	8.2	10.65	11.24	11.52
	Heating ²⁾	kW	8.00	10.2	12.29	14.44	16.13
Power input ²⁾	Cooling ²⁾	kW	2.48	2.61	3.74	4.13	4.38
	Heating ²⁾	kW	1.92	2.55	3.09	3.63	4.16
EER/COP ²⁾	W/W		3.07/4.17	3.14/4.00	2.85/3.98	2.72/3.98	2.63/3.88
Refrigerant charge volume	kg		1.84	1.84	1.84	1.84	1.84
Sanitary water temperature	°C		40~80	40~80	40~80	40~80	40~80
Sound pressure level	cooling	dB(A)	57	57	57	58	58
	heating	dB(A)	57	57	57	58	58
Connecting pipe	Gas	inch(mm)	1/2" (12)	1/2" (12)	5/8" (16)	5/8" (16)	5/8" (16)
	Liquid	inch(mm)	1/4" (6)	1/4" (6)	1/4" (6)	1/4" (6)	1/4" (6)
Dimensions (W × D × H)	Outline	mm	982 × 427 × 787	982 × 427 × 787	940 × 460 × 820	940 × 460 × 820	940 × 460 × 820
	Packaged	mm	1097 × 478 × 937	1097 × 478 × 937	1103 × 573 × 973	1103 × 573 × 973	1103 × 573 × 973
Net weight/Gross weight	kg		88/99	88/98	110/121	110/121	110/121
Loading quantity	40'GP	set	96	96	84	84	84
	40'HQ	set	96	96	84	84	84

Model			GRS-CQ8.0Pd/NhH-M(I)	GRS-CQ10Pd/NhH-M(I)	GRS-CQ12Pd/NhH-M(I)	GRS-CQ14Pd/NhH-M(I)	GRS-CQ16Pd/NhH-M(I)
Power supply	V/Ph/Hz		400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz
Nominal input	Cooling ¹⁾	kW	6.1	6.1	6.1	6.1	6.1
	Heating ¹⁾	kW	6.1	6.1	6.1	6.1	6.1
Leaving water temperature	Cooling ²⁾	°C	18	18	18	18	18
	Heating ²⁾	°C	35	35	35	35	35
Type	Cooling ²⁾	°C	45	45	45	45	45
	Heating ²⁾	°C	45	45	45	45	45
Pump	Type		Water-cooled	Water-cooled	Water-cooled	Water-cooled	Water-cooled
	No. of speed		Variable-speed	Variable-speed	Variable-speed	Variable-speed	Variable-speed
Power input	W		2~75	2~75	3~87	3~87	3~87
	Water flow limit	LPM	12	12	12	12	12
Electric heater	Operation		Automatic	Automatic	Automatic	Automatic	Automatic
	Steps		2	2	2	2	2
Capacity	kW		6	6	6	6	6
	Combination		3+3	3+3	3+3	3+3	3+3
Power input	V/Ph/Hz		400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz
	dB(A)		29	29	29	29	29
Connecting pipe	Gas	inch(mm)	1/2" (12)	1/2" (12)	5/8" (16)	5/8" (16)	5/8" (16)
	Liquid	inch(mm)	1/4" (6)	1/4" (6)	1/4" (6)	1/4" (6)	1/4" (6)
Dimensions (W × D × H)	Outline	mm	860x318x460	860x318x460	860x318x460	860x318x460	860x318x460
	Packaged	mm	1133x568x390	1133x568x390	1133x568x390	1133x568x390	1133x568x390
Net weight/Gross weight	kg		80/85	80/85	80/85	80/85	80/85
Loading quantity	40'GP	set	240	240	240	240	240
	40'HQ	set	240	240	240	240	240

Note:

1.Capacities and power inputs are based on the following conditions:

• Cooling conditions.

Outdoor air temperature 35°C DB/°WB.
 Entering water temperature 23°C.
 Leaving water temperature 18°C

• Heating conditions.

Outdoor air temperature 7°C DB/6°C WB.
 Entering water temperature 30°C.
 Leaving water temperature 35°C
 Standing piping length 5m.

3. For floor cooling.

4. For floor heating.

5. For fan coil unit.

6. For fan coil or radiator.

2.Capacities and power inputs are based on the following conditions:

• Cooling conditions.

Outdoor air temperature 35°C DB/°WB.
 Entering water temperature 12°C.
 Leaving water temperature 7°C

• Heating conditions.

Outdoor air temperature 7°C DB/6°C WB.
 Entering water temperature 40°C.
 Leaving water temperature 45°C
 Standing piping length 5m.

VersatiIII (All in One)



It's a kind of integrated DC inverter unit that comprises cooling, heating and water heating functions, and up to 5.0 energy efficiency. It adopts R32 refrigerant and two-stage compressor. For heating, ambient temperature range is -25~35°C, while the leaving water temperature range is 25~60°C.



4/6KW



8/10KW



» Floor debugging function;

» Integrated structure, simple installation, less installation cost;

» R32 refrigerant, low GWP;

» Adopt two-stage compressor to widen the ambient temperature range for heating;

» Leaving water temperature up to 60°C, applicable to various heating terminals.



Item	Water side	Heat source/User side
	Leaving water temperature(°C)	Dry bulb temperature (°C)
Cooling	7~25	10~48
Heating	20~60	-25~35
Water heating	40~80	-25~45

Note:

*1: When operating conditions are out of the range listed above, please contact Gree.

Specifications

Outdoor Unit

Model			GRS-CQ4.0Pd/NhH-E(O)	GRS-CQ6.0Pd/NhH-E(O)	GRS-CQ8.0Pd/NhH-E(O)	GRS-CQ10Pd/NhH-E(O)
Power supply	V/Ph/Hz		230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz
Capacity ¹	Cooling ²	kW	3.80	5.80	7.00	8.5
	Heating ⁴	kW	4.00	6.00	8.00	9.5
Power input ¹	Cooling ²	kW	0.82	1.32	1.75	2.24
	Heating ⁴	kW	0.78	1.20	1.70	2.07
EER/COP ¹		W/W	4.63/5.13	4.40/5.00	4.00/4.71	3.79/4.59
Capacity ²	Cooling ³	kW	3.15	4.09	5.30	6.50
	Heating ⁵	kW	4.00	5.90	8.00	9.50
Power input ²	Cooling ³	kW	0.92	1.28	1.73	2.27
	Heating ⁵	kW	1.02	1.51	2.14	2.64
EER/COP ²		W/W	3.42/3.92	3.20/3.91	3.06/3.74	2.86/3.60
Refrigerant charge volume		kg	1.00	1.00	1.60	1.60
Sanitary water temperature		°C	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	55	55	57	57
	Heating	dB(A)	55	55	57	57
Connecting pipe	Gas	inch(mm)	1/2"(12)	1/2"(12)	1/2"(12)	1/2"(12)
	Liquid	inch(mm)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)
Dimensions (W × D × H)	Outline	mm	975 × 396 × 702	975 × 396 × 702	982 × 427 × 787	982 × 427 × 787
	Packaged	mm	1029 × 458 × 845	1029 × 458 × 845	1097 × 478 × 937	1097 × 478 × 937
Net weight/Gross weight		kg	55/63	55/63	82/92	82/92
Loading quantity	40'GP	unit	114	114	96	96
	40'HQ	unit	171	171	96	96

Model			GRS-CQ12Pd/NhH-E(O)	GRS-CQ14Pd/NhH-E(O)	GRS-CQ16Pd/NhH-E(O)	GRS-CQ8.0Pd/NhH-M(O)
Power supply	V/Ph/Hz		230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	400V 3N~ 50Hz
Capacity ¹	Cooling ²	kW	11.00	12.60	13.00	8.50
	Heating ⁴	kW	12.00	14.00	15.50	8.00
Power input ¹	Cooling ²	kW	2.50	3.41	3.60	1.74
	Heating ⁴	kW	2.40	2.98	3.44	1.63
EER/COP ¹		W/W	4.40/5.00	3.70/4.70	3.61/4.50	4.89/4.91
Capacity ²	Cooling ³	kW	10.59	11.07	11.51	7.60
	Heating ⁵	kW	12.40	14.48	16.09	8.00
Power input ²	Cooling ³	kW	3.79	4.18	4.49	2.48
	Heating ⁵	kW	3.29	3.93	4.44	1.92
EER/COP ²		W/W	2.79/3.77	2.65/3.68	2.56/3.62	3.07/4.17
Refrigerant charge volume		kg	1.84	1.84	1.84	1.84
Sanitary water temperature		°C	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	57	58	58	57
	Heating	dB(A)	57	58	58	57
Connecting pipe	Gas	inch(mm)	5/8"(16)	5/8"(16)	5/8"(16)	1/2"(12)
	Liquid	inch(mm)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)
Dimensions (W × D × H)	Outline	mm	940 × 460 × 820	940 × 460 × 820	940 × 460 × 820	982 × 427 × 787
	Packaged	mm	1103 × 573 × 973	1103 × 573 × 973	1103 × 573 × 973	1097 × 478 × 937
Net weight/Gross weight		kg	104/114	104/114	104/114	88/98
Loading quantity	40'GP	unit	84	84	84	96
	40'HQ	unit	84	84	84	96

Note:

1.Capacity and power input are based on the following conditions:

• **Cooling conditions.**

Outdoor air temperature 35°C DB/-WB,
Entering water temperature 23°C,
Leaving water temperature 18°C

• **Heating conditions.**

Outdoor air temperature 7°C DB/6°C WB,
Entering water temperature 30°C,
Leaving water temperature 35°C
Standing piping length 5m.

3. For floor cooling.

4. For floor heating.

5. For fan coil unit.

6. For fan coil or radiator.

2.Capacities and power inputs are based on the following conditions:

• **Cooling conditions.**

Outdoor air temperature 35°C DB/-WB,
Entering water temperature 12°C,
Leaving water temperature 7°C

• **Heating conditions.**

Outdoor air temperature 7°C DB/6°C WB,
Entering water temperature 40°C,
Leaving water temperature 45°C
Standing piping length 5m.

Specifications

Outdoor Unit

Model			GRS-CQ10Pd/NhH-M(O)	GRS-CQ12Pd/NhH-M(O)	GRS-CQ14Pd/NhH-M(O)	GRS-CQ16Pd/NhH-M(O)
Power supply	V/Ph/Hz		400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz
Capacity ¹	Cooling ²	kW	10.00	11.00	12.60	13.00
	Heating ⁴	kW	10.00	12.00	14.00	15.50
Power input ¹	Cooling ²	kW	2.33	2.50	3.41	3.60
	Heating ⁴	kW	2.15	2.40	2.98	3.44
EER/COP ¹		W/W	4.29/4.65	4.40/5.00	3.70/4.70	3.61/4.51
Capacity ²	Cooling ³	kW	8.20	10.65	11.24	11.52
	Heating ⁵	kW	10.20	12.29	14.44	16.13
Power input ²	Cooling ³	kW	2.61	3.74	4.13	4.38
	Heating ⁵	kW	2.55	3.09	3.63	4.16
EER/COP ²		W/W	3.14/4	2.85/3.98	2.72/3.98	2.63/3.88
Refrigerant charge volume		kg	1.84	1.84	1.84	1.84
Sanitary water temperature		°C	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	57	57	58	58
	Heating	dB(A)	57	57	58	58
Connecting pipe	Gas	inch(mm)	1/2"(12)	5/8"(16)	5/8"(16)	5/8"(16)
	Liquid	inch(mm)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)
Dimensions (W × D × H)	Outline	mm	982 × 427 × 787	940 × 460 × 820	940 × 460 × 820	940 × 460 × 820
	Packaged	mm	1097 × 478 × 937	1103 × 573 × 973	1103 × 573 × 973	1103 × 573 × 973
Net weight/Gross weight		kg	88/98	110/121	110/121	110/121
Loading quantity	40'GP	unit	96	84	84	84
	40'HQ	unit	96	84	84	84

Model			GRS-CQ4.0Pd/NhH2-E(O)	GRS-CQ6.0Pd/NhH2-E(O)	GRS-CQ8.0Pd/NhH2-E(O)	GRS-CQ10Pd/NhH2-E(O)
Power supply	V/Ph/Hz		230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz
Capacity ¹	Cooling ²	kW	3.90	5.80	7.70	9.35
	Heating ⁴	kW	4.00	6.00	8.00	10.00
	Cooling ²	kW	0.68	1.13	1.72	2.36
	Heating ⁴	kW	0.77	1.20	1.61	2.10
EER/COP ¹		W/W	5.74/5.20	5.15/5.00	4.48/4.97	3.96/4.76
Capacity ²	Cooling ³	kW	3.40	4.00	7.15	7.60
	Heating ⁵	kW	4.10	5.80	8.00	9.85
	Cooling ³	kW	0.92	1.16	2.49	2.77
	Heating ⁵	kW	1.04	1.52	2.07	2.69
EER/COP ²		W/W	3.69/3.94	3.45/3.82	2.87/3.86	2.74/3.67
Refrigerant charge volume		kg	1.10	1.10	1.84	1.84
Sanitary water temperature		°C	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	52	52	55	55
	Heating	dB(A)	52	52	55	55
Connecting pipe	Gas	inch(mm)	1/2"(12)	1/2"(12)	1/2"(12)	1/2"(12)
	Liquid	inch(mm)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)
Dimensions (W × D × H)	Outline	mm	975 × 396 × 702	975 × 396 × 702	982 × 427 × 787	982 × 427 × 787
	Packaged	mm	1029 × 458 × 845	1029 × 458 × 845	1097 × 478 × 937	1097 × 478 × 937
Net weight/Gross weight		kg	55/63	55/63	82/92	82/92
Loading quantity	40'GP	unit	114	114	96	96
	40'HQ	unit	171	171	96	96

Note:

1.Capacity and power input are based on the following conditions:

• **Cooling conditions.**

Outdoor air temperature 35°C DB/-WB,
Entering water temperature 23°C,
Leaving water temperature 18°C

• **Heating conditions.**

Outdoor air temperature 7°C DB/6°C WB,
Entering water temperature 30°C,
Leaving water temperature 35°C
Standing piping length 5m.

3. For floor cooling.

4. For floor heating.

5. For fan coil unit.

6. For fan coil or radiator.

2.Capacity and power input are based on the following conditions:

• **Cooling conditions.**

Outdoor air temperature 35°C DB/-WB,
Entering water temperature 12°C,
Leaving water temperature 7°C

• **Heating conditions.**

Outdoor air temperature 7°C DB/6°C WB,
Entering water temperature 40°C,
Leaving water temperature 45°C
Standing piping length 5m.

Indoor Unit

Model		GRS-CQ4.0PdG /NhH-E(I)	GRS-CQ6.0PdG /NhH-E(I)	GRS-CQ8.0PdG /NhH-E(I)	GRS-CQ10PdG /NhH-E(I)	GRS-CQ12PdG /NhH-E(I)	GRS-CQ14PdG /NhH-E(I)	GRS-CQ16PdG /NhH-E(I)
Power supply	V/Ph/Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz
Nominal input	W	3100	3100	6100	6100	6100	6100	6100
Leaving water temperature	Cooling ¹⁾	18	18	18	18	18	18	18
	Cooling ²⁾	7	7	7	7	7	7	7
	Heating ¹⁾	35	35	35	35	35	35	35
	Heating ²⁾	45	45	45	45	45	45	45
Pump	Type	Water-cooled	Water-cooled	Water-cooled	Water-cooled	Water-cooled	Water-cooled	Water-cooled
	Nr. of speed	Variable-speed	Variable-speed	Variable-speed	Variable-speed	Variable-speed	Variable-speed	Variable-speed
	Power input	W	2-75	2-75	2-75	3-87	3-87	3-87
	Water flow limit	LPM	12	12	12	12	12	12
Electric heater	Operation	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
	Steps	2	2	2	2	2	2	2
	Capacity	kW	3	3	6	6	6	6
	Combination	kW	1.5+1.5	1.5+1.5	3+3	3+3	3+3	3+3
Power input	V/Ph/Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz
Sound pressure level	dB(A)	29	29	29	29	29	29	29
Connecting pipe	Gas	inch(mm)	1/2"(12)	1/2"(12)	1/2"(12)	5/8"(16)	5/8"(16)	5/8"(16)
	Liquid	inch(mm)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)	1/4"(6)
Dimensions (W × D × H)	Outline	mm	860 × 318 × 460	860 × 318 × 460	860 × 318 × 460	860 × 318 × 460	860 × 318 × 460	860 × 318 × 460
	Packaged	mm	1133 × 568 × 390	1133 × 568 × 390	1133 × 568 × 390	1133 × 568 × 390	1133 × 568 × 390	1133 × 568 × 390
Net weight/Gross weight	kg	62/71	62/71	62/71	62/71	58/67	58/67	58/67
Loading quantity	40'GP	unit	240	240	240	240	240	240
	40'HQ	unit	240	240	240	240	240	240

Indoor Unit

Model		GRS-CQ8.0PdG/NhH2-M(I)	GRS-CQ10PdG/NhH2-M(I)	GRS-CQ12PdG/NhH2-M(I)
Power supply	V/Ph/Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz
Nominal input	W	6100	6100	6100
Leaving water temperature	Cooling ¹⁾	18	18	18
	Cooling ²⁾	7	7	7
	Heating ¹⁾	35	35	35
	Heating ²⁾	45	45	45
Pump	Type	Water-cooled	Water-cooled	Water-cooled
	Nr. of speed	Variable-speed	Variable-speed	Variable-speed
	Power input	W	2-75	3-87
	Water flow limit	LPM	12	12
Electric heater	Operation	Automatic	Automatic	Automatic
	Steps	2	2	2
	Capacity	kW	6	6
	Combination	kW	3+3	3+3
Power input	V/Ph/Hz	400V 3N~ 50Hz	400V 3N~ 50Hz	400V 3N~ 50Hz
Sound pressure level	dB(A)	34	34	34
Connecting pipe	Gas	inch(mm)	1/2"(12)	5/8"(16)
	Liquid	inch(mm)	1/4"(6)	1/4"(6)
Dimensions (W × D × H)	Outline	mm	600 × 650 × 1800	800 × 650 × 1800
	Packaged	mm	803 × 703 × 2050	803 × 703 × 2050
Net weight/Gross weight	kg	195/230	195/230	195/230
Loading quantity	40'GP	set	46	46
	40'HQ	set	46	46

Model		GRS-CQ4.0PdG/NhH2-E(I)	GRS-CQ6.0PdG/NhH2-E(I)	GRS-CQ8.0PdG/NhH2-E(I)	GRS-CQ10PdG/NhH2-E(I)
Power supply	V/Ph/Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz
Nominal input	W	3100	3100	6100	6100
Leaving water temperature	Cooling ¹⁾	18	18	18	18
	Cooling ²⁾	7	7	7	7
	Heating ¹⁾	35	35	35	35
	Heating ²⁾	45	45	45	45
Pump	Type	Water-cooled	Water-cooled	Water-cooled	Water-cooled
	Nr. of speed	Variable-speed	Variable-speed	Variable-speed	Variable-speed
	Power input	W	2-75	2-75	2-75
	Water flow limit	LPM	12	12	12
Electric heater	Operation	Automatic	Automatic	Automatic	Automatic
	Steps	2	2	2	2
	Capacity	kW	3	6	6
	Combination	kW	1.5+1.5	3+3	3+3
Power input	V/Ph/Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz	230V~ 50Hz
Sound pressure level	dB(A)	34	34	34	34
Connecting pipe	Gas	inch(mm)	1/2"(12)	1/2"(12)	1/2"(12)
	Liquid	inch(mm)	1/4"(6)	1/4"(6)	1/4"(6)
Dimensions (W × D × H)	Outline	mm	600 × 650 × 1800	600 × 650 × 1800	600 × 650 × 1800
	Packaged	mm	803 × 703 × 2050	803 × 703 × 2050	803 × 703 × 2050
Net weight/Gross weight	kg	195/230	195/230	195/230	195/230
Loading quantity	40'GP	unit	46	46	46
	40'HQ	unit	46	46	46

Note:

1.Capacities and power inputs are based on the following conditions:

- **Cooling conditions.**
Outdoor air temperature 35°C DB/-WB.
Entering water temperature 23°C.
Leaving water temperature 18°C
- **Heating conditions.**
Outdoor air temperature 7°C DB/6°C WB.
Entering water temperature 30°C.
Leaving water temperature 35°C
Standing piping length 5m.

2.Capacities and power inputs are based on the following conditions:

- **Cooling conditions.**
Outdoor air temperature 35°C DB/-WB.
Entering water temperature 12°C.
Leaving water temperature 7°C
- **Heating conditions.**
Outdoor air temperature 7°C DB/6°C WB.
Entering water temperature 40°C.
Leaving water temperature 45°C
Standing piping length 5m.

Note:

1.Capacities and power inputs are based on the following conditions:

- **Cooling conditions.**
Outdoor air temperature 35°C DB/-WB.
Entering water temperature 23°C.
Leaving water temperature 18°C
- **Heating conditions.**
Outdoor air temperature 7°C DB/6°C WB.
Entering water temperature 30°C.
Leaving water temperature 35°C
Standing piping length 5m.

2.Capacities and power inputs are based on the following conditions:

- **Cooling conditions.**
Outdoor air temperature 35°C DB/-WB.
Entering water temperature 12°C.
Leaving water temperature 7°C
- **Heating conditions.**
Outdoor air temperature 7°C DB/6°C WB.
Entering water temperature 40°C.
Leaving water temperature 45°C
Standing piping length 5m.

Versati III (Monobloc Type)



It's a kind of integrated DC inverter unit that comprises cooling, heating and water heating functions, with up to 5.0 energy efficiency. It adopts R32 refrigerant and two-stage compressor. For heating, ambient temperature range is -25~35°C, while the leaving water temperature range is 25~60°C.



- » Floor debugging function;
- » Integrated structure, simple installation, less installation cost;
- » R32 refrigerant, low GWP;
- » Adopt two-stage compressor to widen the ambient temperature range for heating;
- » Leaving water temperature up to 60°C, applicable to various heating terminals.



Item	Water side	Heat source/User side
	Leaving water temperature(°C)	Dry bulb temperature
Cooling	7~25	10~48
Heating	20~65	-25~35
Water heating	40~80	-25~45

Note:

*1: This product series is under development. Please confirm the final specifications with our sales representatives.

Model		GRS-CQ4.0Pd/NhG-K	GRS-CQ6.0Pd/NhG-K	GRS-CQ8.0Pd/NhG-K	GRS-CQ10Pd/NhG-K	GRS-CQ12Pd/NhG-K	GRS-CQ14Pd/NhG-K
Power supply	V/Ph/Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz
Capacity ¹	kW	3.80	5.80	6.80	8.80	11.00	12.50
	kW	4.00	6.00	7.50	10.00	12.00	14.00
Power input ¹	kW	0.82	1.35	1.58	1.96	2.56	3.05
	kW	0.78	1.20	1.63	2.17	2.64	3.22
EER/COP ¹	W/W	4.63/5.10	4.30/5.00	4.30/4.60	4.49/4.61	4.30/4.55	4.10/4.35
Capacity ²	kW	3.00	4.00	5.00	7.80	9.50	12.00
	kW	4.00	6.00	7.50	10.00	12.00	14.00
Power input ²	kW	0.94	1.29	1.61	2.48	3.11	4.14
	kW	1.00	1.58	2.00	2.70	3.48	4.18
EER/COP ²	W/W	3.19/4.00	3.10/3.80	3.10/3.75	3.15/3.70	3.05/3.45	2.90/3.35
Refrigerant	kg	0.87	0.87	0.87	2.20	2.20	2.20
Sanitary water temperature	°C	40~80	40~80	40~80	40~80	40~80	40~80
Sound pressure level	dB(A)	51	52	53	56	56	57
	dB(A)	50	50	51	54	54	55
Connecting pipe	inch(mm)	/	/	/	/	/	/
	inch(mm)	/	/	/	/	/	/
Dimensions (W×D×H)	mm	1150×345×758	1150×345×758	1150×345×758	1200×482×878	1200×482×878	1200×482×878
	mm	1258×488×900	1258×488×900	1258×488×900	1293×589×1020	1293×589×1020	1293×589×1020
Net weight/Gross weight	kg	96/109	96/109	96/109	147/160	147/160	147/160
Loading quantity	unit	84	84	84	58	58	58
	unit	84	84	84	58	58	58

Model		GRS-CQ10Pd/NhG-M	GRS-CQ12Pd/NhG-M	GRS-CQ14Pd/NhG-M	GRS-CQ16Pd/NhG-M	GRS-CQ16Pd/NhG-K
Power supply	V/Ph/Hz	380-415V 3N~ 50Hz	380-415V 3N~ 50Hz	380-415V 3N~ 50Hz	380-415V 3N~ 50Hz	220-240V~ 50Hz
Capacity ¹	kW	8.80	11.00	12.50	14.50	14.50
	kW	10.00	12.00	14.00	15.50	15.50
Power input ¹	kW	1.96	2.56	3.05	3.82	3.85
	kW	2.17	2.64	3.22	3.60	3.60
EER/COP ¹	W/W	4.49/4.61	4.30/4.55	4.10/4.35	3.80/4.30	3.77/4.31
Capacity ²	kW	7.80	9.50	12.00	13.00	13.00
	kW	9.00	12.00	13.00	15.50	15.50
Power input ²	kW	2.48	3.20	4.14	4.91	4.91
	kW	2.70	3.48	4.18	4.70	4.70
EER/COP ²	W/W	3.15/3.33	2.97/3.45	2.90/3.11	2.65/3.30	2.65/3.30
Refrigerant charge volume	kg	2.20	2.20	2.20	2.20	2.20
Sanitary water temperature	°C	40~80	40~80	40~80	40~80	40~80
Sound pressure level	dB(A)	56	56	57	59	59
	dB(A)	54	54	55	57	57
Connecting pipe	inch(mm)	/	/	/	/	/
	inch(mm)	/	/	/	/	/
Dimensions (W×D×H)	mm	1200×482×878	1200×482×878	1200×482×878	1200×482×878	1200×482×878
	mm	1293×589×1020	1293×589×1020	1293×589×1020	1293×589×1020	1293×589×1020
Net weight/Gross weight	kg	147/160	147/160	147/160	147/160	147/160
Loading quantity	unit	58	58	58	58	58
	unit	58	58	58	58	58

Note:

1.Capacity and power input are based on the following conditions:

Cooling conditions.

Outdoor air temperature 35°C DB/-WB.
Entering water temperature 23°C.
Leaving water temperature 18°C

Heating conditions.

Outdoor air temperature 7°C DB/6°C WB.
Entering water temperature 30°C.
Leaving water temperature 35°C
Standing piping length 5m.

2.Capacity and power input are based on the following conditions:

Cooling conditions.

Outdoor air temperature 35°C DB/-WB.
Entering water temperature 12°C.
Leaving water temperature 7°C

Heating conditions.

Outdoor air temperature 7°C DB/6°C WB.
Entering water temperature 40°C.
Leaving water temperature 45°C
Standing piping length 5m.

3. For floor cooling.

4. For floor heating.

5. For fan coil unit.

6. For fan coil or radiator.

Model			GRS-CQ10Pd/NhG2-K	GRS-CQ12Pd/NhG2-K	GRS-CQ14Pd/NhG2-K	GRS-CQ16Pd/NhG2-K
Power supply			V/Ph/Hz	220-240V~ 50Hz	220-240V~ 50Hz	220-240V~ 50Hz
Capacity ¹⁾	Cooling ³⁾	kW	8.80	11.00	12.50	14.50
	Heating ⁴⁾	kW	10.00	12.00	14.00	15.50
Power input ¹⁾	Cooling ³⁾	kW	1.96	2.56	3.05	3.85
	Heating ⁴⁾	kW	2.17	2.64	3.22	3.60
EER/COP ¹⁾			W/W	4.49/4.61	4.30/4.55	4.10/4.35
Capacity ²⁾	Cooling ⁵⁾	kW	7.80	9.50	12.00	13.00
	Heating ⁶⁾	kW	10.00	12.00	14.00	15.50
Power input ²⁾	Cooling ⁵⁾	kW	2.48	3.11	4.14	4.91
	Heating ⁶⁾	kW	2.70	3.48	4.18	4.70
EER/COP ²⁾			W/W	3.15/3.70	3.05/3.45	2.90/3.35
Refrigerant charge volume			kg	2.20	2.20	2.20
Sanitary water temperature			°C	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	56	56	57	59
	Heating	dB(A)	54	54	55	57
Connecting pipe	Gas	inch(mm)	/	/	/	/
	Liquid	inch(mm)	/	/	/	/
Dimensions (W×D×H)	Outline	mm	1200×482×878	1200×482×878	1200×482×878	1200×482×878
	Packaged	mm	1293×589×1020	1293×589×1020	1293×589×1020	1293×589×1020
Net weight/Gross weight			kg	147/160	147/160	147/160
Loading quantity	40'GP	unit	58	58	58	58
	40'HQ	unit	58	58	58	58

Model			GRS-CQ10Pd/NhG2-M	GRS-CQ12Pd/NhG2-M	GRS-CQ14Pd/NhG2-M	GRS-CQ16Pd/NhG2-M
Power supply			V/Ph/Hz	380-415V 3N~ 50HZ	380-415V 3N~ 50HZ	380-415V 3N~ 50HZ
Capacity ¹⁾	Cooling ³⁾	kW	8.80	11.00	12.50	14.50
	Heating ⁴⁾	kW	10.00	12.00	14.00	15.50
Power input ¹⁾	Cooling ³⁾	kW	1.96	2.56	3.05	3.82
	Heating ⁴⁾	kW	2.17	2.64	3.22	3.60
EER/COP ¹⁾			W/W	4.49/4.61	4.30/4.55	4.10/4.35
Capacity ²⁾	Cooling ⁵⁾	kW	7.80	9.50	12.00	13.00
	Heating ⁶⁾	kW	9.00	12.00	13.00	15.50
Power input ²⁾	Cooling ⁵⁾	kW	2.48	3.20	4.14	4.91
	Heating ⁶⁾	kW	2.70	3.48	4.18	4.70
EER/COP ²⁾			W/W	3.15/3.33	2.97/3.45	2.90/3.11
Refrigerant charge volume			kg	2.20	2.20	2.20
Sanitary water temperature			°C	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	56	56	57	59
	Heating	dB(A)	54	54	55	57
Connecting pipe	Gas	inch(mm)	/	/	/	/
	Liquid	inch(mm)	/	/	/	/
Dimensions (W×D×H)	Outline	mm	1200×482×878	1200×482×878	1200×482×878	1200×482×878
	Packaged	mm	1293×589×1020	1293×589×1020	1293×589×1020	1293×589×1020
Net weight/Gross weight			kg	147/160	147/160	147/160
Loading quantity	40'GP	unit	58	58	58	58
	40'HQ	unit	58	58	58	58

Note:

1.Capacities and power inputs are based on the following conditions:

• Cooling conditions.

Outdoor air temperature 35°C DB/-WB.
 Entering water temperature 23°C.
 Leaving water temperature 18°C

• Heating conditions.

Outdoor air temperature 7°C DB/6°C WB.
 Entering water temperature 30°C.
 Leaving water temperature 35°C
 Standing piping length 5m.

2.Capacities and power inputs are based on the following conditions:

• Cooling conditions.

Outdoor air temperature 35°C DB/-WB.
 Entering water temperature 12°C.
 Leaving water temperature 7°C

• Heating conditions.

Outdoor air temperature 7°C DB/6°C WB.
 Entering water temperature 40°C.
 Leaving water temperature 45°C
 Standing piping length 5m.

3. For floor cooling.

4. For floor heating.

Integral Type Water Heater



The unit adopts integrated design of outdoor unit and water tank, with beautiful appearance, small size, high-end intelligence and easy installation. It is suitable for residential use.



» Safe and eco-friendly

Water and electricity are separated to avoid possible electric shock. Without possible toxicities of CO, user's safety can be ensured. No pollutant is released during operation, so there is no damage to the environment.

» Reliable and durable

Adopting special compressor, the unit is resistant to high temperature and pressure. The entire unit is with multiple protection functions to ensure long lifespan of the system.

» Easy installation

Without limitation of environment, the unit can be installed in garage, stock room or basement. Installation is convenient because of its no refrigeration system.

» Easy operation

Water temperature can be set. Water supply can be on or off depending on water temperature and water consumption, so that hot water can be supplied at any time. Unit on/off can be set by user according to requirements (the unit will stop once water temperature reaches the setting point). Running of unit with low electricity consumption is possible to reduce electricity fee.

» Intelligent defrosting

The unit with anti-freezing and intelligent defrosting functions can efficiently prevent freezing and frosting.

» All-day use

The unit can make and supply hot water all day in despite of night, overcast and rainy days.



Integral Heat Pump Water Heater

Model			GRS-1.5/TD150ANbA-K	GRS-1.5/TD200ANbA-K
Capacity ¹	kW		1.5	1.5
Power input ¹	kW		0.429	0.429
COP DHW ²	W/W		2.47	2.24
Refrigerant	-		R134a	R134a
Refrigerant charge volume	kg		0.8	0.8
Refrigerant design pressure	Mpa		2.8	2.8
Tank design pressure	Mpa		0.8	0.8
Running ambient temp.	°C		0~45	0~45
Outwater temp.	°C		35~70	35~70
Sound power level(heating) ³	dB(A)		62	62
Volume	L		150	190
Water pipeline	Water inlet pipe	inch	0.59	0.59
	Water outlet pipe	inch	0.59	0.59
	Drainage pipe	inch	0.59	0.59
Dimension (W×D×H)	outline	mm	621×561×1760	621×561×2030
	Package	mm	731×717×1845	731×717×2110
Net weight/Gross weight	kg		92/112	102.5/122.5
Loading quantity	40'GP/40'HQ	set	48/48	48/48

Notes:

{ 1 } Value obtained with the following conditions: Outdoor temperature: 20 °C DB/15 °C WB; water tank temperature (start/end): 15 °C /55 °C.

{ 2 } Value obtained with an air temperature of 7 °C and a water inlet at 10°C, as per EN16147-2017, (EU) No 814/2013.

{ 3 } Value obtained as per EN 12102-2008.

Split Type Water Heater

Gree split type water heater offers you with sufficient hot water, ensuring a warm and comfortable life to each family. Its installation is convenient and it is applicable for a family of 3 to 5 members.





Self-diagnosis



°C/°F switch



Compact design



High efficiency



Clock display



Intelligent defrosting



Easier maintainability



Child lock

» Safe and eco-friendly

Water and electricity are separated to avoid possible electric shock. Without possible toxicities of CO, user's safety can be ensured. No pollutant is released during operation, so there is no damage to the environment.

» Reliable and durable

Adopting special compressor, the unit is resistant to high temperature and pressure. The entire unit is with multiple protection functions to ensure long lifespan of the system.

» Easy installation

Without limitation of environment, the unit can be installed in garage, stock room or basement.

» Easy operation

Water temperature can be set. Unit can be on or off depending on water temperature and water consumption. Unit on/off can be set by user according to requirements (the unit will stop once water temperature reaches the setting point). Running of unit with low electricity consumption is possible to reduce electricity fee.

» Intelligent defrosting

The unit with anti-freezing and intelligent defrosting functions can efficiently prevent freezing and frosting.

» All-day use

The unit can make and supply hot water all day in despite of night, overcast and rainy days.

Outdoor unit

Model			GRS-S3.5PdG/NaA1-K
Rated Heating Capacity ⁽¹⁾	W		3500(1800~3700)
Rated Input Power ⁽¹⁾	W		833(360~910)
Load Profile	-		L
COP _{DHW} ⁽²⁾	W/W		3.1
Energy Efficiency Class ⁽²⁾	-		A ⁺
Water Heating Energy Efficiency ⁽²⁾	-		130%
Maximum Input Power	W		2000+1500W(Electric Heater)
Outlet Water Temperature	°C		Default: 55 °C, 35 °C~55 °C
Power Supply	-		220V-240V ~50Hz
Insulation Level	-		I
Protection of Ingression	-		IPX4
Refrigerant	Name		R410A
	Charge	kg	1.4
Outline Dimension	W×D×H	mm	842×320×591
Package Dimension	W×D×H	mm	948×363×660
Gross/Net Weight	kg		44.5/38.5
Sound Power Level ⁽³⁾	dB(A)		63
Operating Range	°C		-25~45 °C

Note: (1) Value obtained with the following conditions: Outdoor temperature: 20 °C DB/15 °C WB; water tank temperature (start/end): 15 °C /55 °C.

(2) Value obtained with an air temperature of 7 °C and a water inlet at 10°C, as per EN16147-2017, (EU) No 814/2013.

(3) Value obtained as per EN 12102-2008.



Water Tank

Model			SXTD200LCJW/A-K
Capacity	L		185
Power Supply for Electric Heater	-		220V-240V~50Hz
Input Power for Electric Heater	W		1500
Outline Dimension (W×D×H)	mm		462×462×2000
Package Dimension (W×D×H)	mm		583×565×2108
Water Tank Gross/Net Weight	kg		83/72.5
Outer Size of Connection Pipe	mm		Φ6, Φ9.52

Note: The water tank of SXTD200LCJW/A-K is with enamel interior.

Direct & Circulating Air Source Heat Pump Water Heater



It is a kind of heat pump water heater that could supply commercial hot water, which is applicable for operation in ambient temperature from -26°C to 46°C.



» High-efficiency and energy-saving

Adopt heat pump technology, which can transfer the consumed electricity into three times of thermal energy for heating water, high-efficiency and energy-saving. The operation cost is 1/4 of that for electric water heater and 1/3 of that for gas water heater.

» Safe and reliable

Electricity is only used as the energy for driving medium, while the energy used for heating water is absorbed from the air by medium. Therefore, the heating method is indeed water and electricity separation, safe, stable and reliable.

» Convenient for installation and convenient for maintenance

The unit can be installed on roof, yard, basement and so on. This unit is with powerful self-diagnosis function, convenient and easy for maintenance.

» All-day operation and wide application range

This heat pump water heater takes sensible heat and latent heat in air as the low-temperature thermal source, which can provide hot water continuously 24 hours a year and all the year around.

» Intelligent control

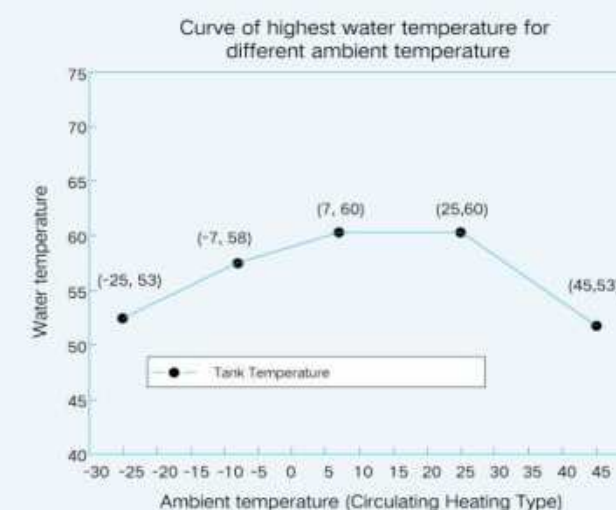
Microcomputer control. Multiple module network control can control maximum 16 outdoor units; parameters for each unit can be set freely. Timer ON and timer OFF control function for each day; perfect protection functions for ensuring reliable operation.

Circulating Heating Type

Model		GRS-Cm28/NaA-M	GRS-Cm36/NaA-M	GRS-Cm53/NaA-M
Rated water heating capacity	kW	28	36	53
Rated water supply	l/h	602	775	1140
COP	W/W	3.83	3.87	4.08
Tank water temperature range	°C	30 ~ 60	30 ~ 60	30 ~ 60
Power supply	Ph/V/Hz	3/380~415/50	3/380~415/50	3/380~415/50
Rated power input	Water heating kW	7.3	9.3	13
Max. power input	Water heating kW	10.1	13.2	19
Sound pressure level	dB(A)	67	67	67
Dimension(W × D × H)	Outline mm	930 × 800 × 1605	930 × 800 × 1605	1340 × 800 × 1605
	Package mm	1010 × 865 × 1775	1010 × 865 × 1775	1420 × 880 × 1775
Net weight/Gross weight	kg	243/260	280/277	358/376
Loading quantity	40'GP/40'HQ	26/26	26/26	21/21

Notes:

1. Testing conditions of above data: Ambient temperature 20°C DB/15°C WB; water tank temperature (start/end): 15°C/55°C; power supply: 3/380/50Hz;
2. Considering the system reliability and various water temperature demands for different ambient temperature, we have limited the highest water temperature. The curve is shown as below.
3. The above products are not for EU.



A nighttime photograph of a dense urban skyline. Several tall skyscrapers are visible, their windows and architectural details illuminated with warm yellow and white lights. The sky is a deep, clear blue. In the foreground, there are some trees and lower-level buildings, also partially lit. The overall scene conveys a sense of a bustling, modern city at night.

SCROLL CHILLER

Modular Air-cooled
Scroll Chiller

Inverter Modular
Air-cooled Chiller (Heat
Pump)

DL Series Water-cooled
Packaged Unit

Modular Air-cooled Scroll Chiller

R410A

E Series

Thanks to the compact and flexible modularized structure, E Series Modular Type Scroll Chillers can be widely used for newly built and retrofitted large and small-sized industrial and civil air conditioning projects, like apartments, hotels, restaurants, office buildings, shopping malls, theaters, gyms, factories, hospital etc. It is also the ideal choice for the place where there is high requirement on noise and ambient environments and it is inconvenient to install the cooling tower.



65/80kW



130/160kW



Display Panel Z26300H



Golden fin condenser



High efficiency



Quality motor



Modular operating



Wide voltage range



Wide operation range



Intelligent defrosting



Self-diagnosis

- » New appearance design;
- » Up to 16 units can be modularized in parallel;
- » High efficiency shell and tube;
- » Low noise operation.

Item	Water side (water temperature)		Air side (outdoor temperature)
	Operating range		Operating range
	Leaving water temperature (°C)	Entering and Leaving water difference temperature (°C)	Dry bulb temperature (°C)
Cooling	5~20	2.5~6	0~46

Model	Heat pump		LSQWF65M/NaE-M	LSQWF80M/NaE-M	LSQWF130M/NaE-M	LSQWF160M/NaE-M
Capacity	Cooling	kW	65	82	132	162
		RT	18.48	23.32	37.54	46.07
Capacity steps		%	0-50%-100%			0-25%-50%-75%-100%
EER		W/W	3.20	3.19	3.20	3.00
Power supply		V-Ph-Hz	400V-3N-50Hz			
Power input	Cooling	kW	20.3	25.7	41.2	54.0
	Type	-	Constant Speed Scroll			
	Starting mode	-	Direct Starting			
Compressor	Quantity	-	2	2	2	4
	Type	-	Shell-and-tube dry expansion			
	Water flow volume	m³/h	11.20	14.10	22.70	27.90
Water side heat exchanger		GPM	49	62	100	123
	Pressure drop	kPa	45	60	60	60
		ft.WG	14.76	19.68	19.68	19.68
Air side heat exchanger	Connection pipe	-	Flange connection			
	Type	-	Aluminum Fin-copper Tube			
	Fan type and quantity	-	Axial-flow/2	Axial-flow/2	Axial-flow/4	Axial-flow/4
Total fan air flow		m³/h	2 × 1.2 × 10⁴	2 × 1.4 × 10⁴	4 × 1.2 × 10⁴	4 × 1.4 × 10⁴
		CFM	2 × 0.7056 × 10⁴	2 × 0.8239 × 10⁴	4 × 0.7056 × 10⁴	4 × 0.8239 × 10⁴
	Total fan motor power	kW	2 × 0.65	2 × 0.75	4 × 0.65	4 × 0.75
Sound pressure level		dB(A)	66	68	70	70
Dimension	Outline(W × D × H)	mm	2138 × 1025 × 2243	2138 × 1025 × 2243	2306 × 1980 × 2320	2306 × 1980 × 2320
	Package(W × D × H)	mm	2198 × 1085 × 2243	2198 × 1085 × 2243	2366 × 2040 × 2320	2366 × 2040 × 2320
Net/Gross/Operating weight		kg	730/735/199	770/775/843	1280/1285/1409	1540/1545/1697
Loading quantity	40'GP/40'HQ	set	11/11	11/11	5/5	5/5

Remark:

- ① Nominal cooling test conditions: Leaving water temperature 7°C, Water flow volume = Cooling capacity × 0.172 m³/(h · kW), outdoor ambient temperature 35°C (DB),
- ② For specific parameters, please refer to the product nameplate.
- ③ The above products are not for EU.

Inverter Modular Air-cooled Chiller(Heat Pump)

A Series

A Series Inverter Modular Air-cooled Chiller feature all DC inverter control, wide operation range, compact structure and modular design.



- » High-efficiency and energy-saving, with all DC inverter compressor and fan;
- » Quiet and wide operational range;
- » Easy installation, modularized combination, intelligent control;
- » With water pump switch function for prolonging service life of water pump;
- » Long-distance one-key ON/OFF control.



Item	Water side (water temperature)		Air side (outdoor temperature)	
	Operating range		Operating range	
	Leaving water temperature (°C)	Entering and Leaving water difference temperature (°C)	Dry bulb temperature (°C)	
Cooling	5~20	2.5~6	-15~52	
Heating	35~50	2.5~6	-20~40	

Model	Heat pump		LSQWRF35VM/NaA-M	LSQWRF60VM/NaA-M	LSQWRF65VM/NaA-M
Capacity	Cooling/Heating	kW	32/36	60/65	65/70
		RT	9.10/10.24	17.06/18.48	18.48/19.91
Capacity steps		%	0~100	0~100	0~100
EER/COP		W/W	2.58/3.33	2.74/3.22	2.62/3.20
Power supply		Ph/V/Hz	380-415V~3N-50Hz	380-415V~3N-50Hz	380-415V~3N-50Hz
Power input	Cooling	kW	12.4	21.9	24.8
	Heating	kW	10.8	20.2	21.9
Compressor	Type	—	Inverter Rotary		
	Starting mode	—	Inverter Starting		
	Quantity	—	1	2	2
Water side heat exchanger	Type	—	Shell-and-tube dry expansion		
	Water flow volume	m³/h	5.5	10.32	11.18
		GPM	24	46	49
	Pressure drop	kPa	75	55	60
		—	24.6	18.04	19.68
Air side heat exchanger	Connection pipe	—	G1 1/2 External Thread Connection	G2 External Thread Connection	G2 External Thread Connection
	Type	—	Flange connection		
	Fan type and quantity	—	Axial-flow/2		
	Total fan airflow	m³/h	2 × 0.63 × 10⁴	2 × 1.2 × 10⁴	2 × 1.2 × 10⁴
		CFM	2 × 0.371 × 10⁴	2 × 0.707 × 10⁴	2 × 0.707 × 10⁴
Sound pressure level		kW	0.75 × 2	0.75 × 2	0.75 × 2
		dB(A)	62	68	68
Dimension	Outline(W × D × H)	mm	1340 × 845 × 1605	2200 × 965 × 1675	2200 × 965 × 1675
	Package(W × D × H)	mm	1420 × 920 × 1775	2267 × 1030 × 1867	2267 × 1030 × 1867
Net/Gross/Operating weight		kg	400/412/437.9	689/725/757.9	689/725/757.9
Loading quantity	40'GP/40'HQ	set	16/16	11/11	11/11

Remark:

① Nominal cooling test conditions: Leaving water temperature 7°C, Water flow volume = Cooling capacity × 0.172 m³/(h · kW), outdoor ambient temperature 35°C (DB).

② Nominal Heating test conditions: Leaving water temperature 45°C, Water flow volume = Cooling capacity × 0.172 m³/(h · kW), outdoor ambient temperature 7°C (DB) / 6°C (WB).

③ For specific parameters, please refer to the product nameplate.

B Series



Item	Water side (water temperature)		Air side (outdoor temperature)	
	Operating range		Operating range	
	Leaving water temperature (°C)	Entering and Leaving water difference temperature (°C)	Dry bulb temperature (°C)	
Cooling	5~20	2.5~6	-15~48	
Heating	35~50	2.5~6	-20~40	

Model	Heat pump		LSQWRF65VM/NaB-X	LSQWRF130VM/NaB-X
Capacity	Cooling/Heating	kW	65/70	130/140
		RT	18.48/19.91	36.97/39.81
Capacity steps		%	10~100	10~100
EER/COP		W/W	3.11/3.48	3.08/3.48
Power supply		Ph/V/Hz	380-415V~3N-50Hz	380-415V~3N-50Hz
Power input	Cooling	kW	20.9	42.2
	Heating	kW	20.1	40.2
Compressor	Type	—	Inverter rotary	
	Starting mode	—	Variable frequency starting	
	Quantity	—	2	4
Water side heat exchanger	Type	—	Shell-and-tube dry expansion	
	Water flow volume	m³/h	11.18	22.36
	Pressure drop	ft.WG	14.76	19.68
		kPa	45	60
	Connection pipe	—	Flange connection	
Air side heat exchanger	Type	—	Aluminum fin-copper tube	
	Fan type and quantity	—	Axial-flow/2	
	Total fan airflow	m³/h	2 × 1.55 × 10⁴	4 × 1.55 × 10⁴
		CFM	2 × 0.912 × 10⁴	4 × 0.912 × 10⁴
	Total fan motor power	kW	0.75 × 2	0.75 × 4
Sound pressure level		dB(A)	67	67
Dimension	Outline(W × D × H)	mm	2130 × 1030 × 2150	2305 × 1980 × 2190
	Package(W × D × H)	mm	2190 × 1090 × 2150	2365 × 2040 × 2190
Net/Gross/Operating weight		kg	680/685/748	1270/1333.5/1397
Loading quantity	40'GP/40'HQ	set	11/11	5/5

Remark:

① Nominal cooling test conditions: Leaving water temperature 7°C, Water flow volume = Cooling capacity × 0.172 m³/(h · kW), outdoor ambient temperature 35°C (DB).

② Nominal Heating test conditions: Leaving water temperature 45°C, Water flow volume = Cooling capacity × 0.172 m³/(h · kW), outdoor ambient temperature 7°C (DB) / 6°C (WB).

③ For specific parameters, please refer to the product nameplate.

Inverter Modular Air-cooled Chiller (Heat Pump)

A Series

All DC inverter, high efficiency and energy conservation, wide operation range, compact size and modular combination.



» All DC inverter compressor and fan, high-efficiency and energy-saving;

» Super quiet and wide operation range;

» Convenient installation, modular combination and smart control;

» With water pump switchover function, for prolonging service life of water pump;

» Remote ON/OFF by one button, convenient for operation.



Item	Water side (water temperature)		Air side (outdoor temperature)	
	Operating range		Operating range	
	Leaving water temperature (°C)	Entering and Leaving water difference temperature (°C)	Dry bulb temperature (°C)	
Cooling	5~20	2.5~6	-15~52	
Heating	35~50	2.5~6	-20~40	

Model	Heat pump		LSQWRF35VM/NhA-M	LSQWRF60M/NhA-M
Capacity	Cooling/Heating	kW	32/35	60/65
		RT	9.10/9.95	17.06/18.48
Capacity steps		%	0~100	0~100
EER/COP		W/W	2.74/3.3	2.88/3.27
Power supply		Ph/V/Hz	380-415V-3N-50Hz	380-415V-3N-50Hz
Power input	Cooling	kW	11.7	20.8
	Heating	kW	10.6	19.9
Compressor	Type	—	Inverter Rotary	Inverter Rotary
	Starting mode	—	Inverter Starting	Inverter Starting
	Quantity	—	1	2
Water side heat exchanger	Type	—	Shell-and-tube dry expansion	Shell-and-tube dry expansion
	Water flow volume	m³/h	5.5	10.32
		GPM	24	46
	Pressure drop	kPa	80	55
		ft.WG	26.24	18.04
Air side heat exchanger	Connection pipe	—	G1 1/2 external thread connection	G2 external thread connection
	Type	—	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Fan type and quantity	—	Axial-flow/2	Axial-flow/2
		m³/h	2 × 0.63 × 10⁴	2 × 1.2 × 10⁴
	Total fan airflow	CFM	2 × 0.371 × 10⁴	2 × 0.707 × 10⁴
Sound pressure level	dB(A)	—	62	68
		—	62	68
Dimension	Outline(W × D × H)	mm	1340 × 845 × 1605	2200 × 965 × 1675
	Package(W × D × H)	mm	1420 × 920 × 1775	2267 × 1030 × 1867
Net/Gross/Operating weight		kg	405/422/445	686/722/755
Loading quantity	40'GP/40'HQ	set	16/16	11/11

Remark:

① Nominal cooling test conditions: Leaving water temperature 7°C, Water flow volume = Cooling capacity × 0.172 m³/(h · kW), outdoor ambient temperature 35°C (DB).

② Nominal Heating test conditions: Leaving water temperature 45°C, Water flow volume = Cooling capacity × 0.172 m³/(h · kW), outdoor ambient temperature 7°C (DB) / 6°C (WB).

③ For specific parameters, please refer to the product nameplate.

A Series Built-in Hydraulic Module



Model			LSQWRF35VMP1/NhA-M	LSQWRF60VMP1/NhA-M
Capacity	Cooling/Heating	kW	33/36	60/65
		RT	9.38/10.24	17.06/18.48
Capacity steps		%	31.25%~100%	31.25%~100%
EER/COP		W/W	2.89/3.3	2.84/3.3
Power supply		W/Ph/Hz	380-415V AC 3Ph 50Hz	380-415V AC 3Ph 50Hz
Power input	Cooling	kW	11.4	21.1
	Heating	kW	10.9	19.7
Compressor	Type	—	Inverter rotary	Inverter rotary
	Starting mode	—	Inverter	Inverter
	Quantity	—	1	2
Water side heat exchanger	Type	—	Plate-type heat exchanger	Plate-type heat exchanger
	Water flow volume	m³/h	5.58	10.32
		GPM	25	46
	Connection pipe	—	G1 1/2 external thread connection	G2 external thread connection
	Type	—	Aluminum fin-copper tube	Aluminum fin-copper tube
Air side heat exchanger	Fan type and quantity	—	Axial-flow/2	Axial-flow/2
		m³/h	2 × 0.63 × 10⁴	2 × 1.2 × 10⁴
	Total fan airflow	GFM	2 × 0.371 × 10⁴	2 × 0.707 × 10⁴
	Total fan motor power	kW	0.75 × 2	0.75 × 2
Built-in chilled water pump	Pump power input	kW	0.55	1.1
	Pump lift	m	24	25.5
Built-in expansion vessel volume		L	8	12
Sound pressure level		dB(A)	62	68
Dimension	Outline (W × D × H)	mm	1340X802X1605	2200/937/1675
	Package (W × D × H)	mm	1420X905X1775	2267X1030X1867
Net weight/Operating weight		kg	323/355.3	609/669.9
Loading quantity	40'GP/40'HP	set	16/16	11/11
Available external static pressure of the outlet under working condition for cooling		kPa	165	210
		ft.WG	54.12	68.88
Available external static pressure of the outlet under working condition for heating		kPa	140	187
		ft.WG	45.92	61.336

Remark:

① Nominal cooling test conditions: Leaving water temperature 7°C, Water flow volume = Cooling capacity × 0.172 m³/(h · kW), outdoor ambient temperature 35°C (DB).

② Nominal Heating test conditions: Leaving water temperature 45°C, Water flow volume = Cooling capacity × 0.172 m³/(h · kW), outdoor ambient temperature 7°C (DB) / 6°C (WB).

③ For specific parameters, please refer to the product nameplate.

DL Series Water-cooled Packaged Unit R410A

Gree DL Series Water-cooled Packaged Unit is designed to supply air directly or supply air through air duct to adjust indoor ambient temperature. It has been greatly improved in various aspects such as reliability, practicability, convenient installation and transportation, and operation interface, etc. It can be widely used in workshops, shopping malls, supermarkets, hotels, office buildings, etc. The DL Series Water-cooled Packaged Unit is favored by users because of its compact structure and high energy efficiency.



» Energy-saving and high-efficiency

Energy efficiency of the series of units can reach Grade I and above.

» Flexible structure, easy installation—adopts side-by-side structure for easily opening and closing the door and easy maintenance; the whole appearance is decent and good-looking.

» Intelligent control

BMS long-distance control management.

» Low operating noise

The unit adopts high-efficiency and low-noise scroll compressor with low-noise centrifugal fan, which has excellent air supply effect and sound insulation system for quiet operation.

» Eco-friendly

It adopts R410A eco-friendly refrigerant.

Model		L49S/NaE-M	L98S/NaE-M	L116S/NaE-M	L130S/NaE-M
Cooling capacity	kW	49	98	116	130
Air flow	m ³ /h	8000	16000	19000	22000
External static pressure	Pa	75	115	140	140
Motor power	kW	2.2	4.0	5.5	5.5
Non-standard static pressure	Pa	50~200	100~350	140~400	140~450
Control temperature range	°C	16~30	16~30	16~30	16~30
Power supply	V/Ph/Hz	380~400/3P/50			
Total cooling power	kW	12.0	24.3	28.2	31.6
Condenser	Mode	Shell-and-tube			
	Water volume	m ³ /h	10.6	21.1	25.0
	Water resistance	kPa	35	44	45
	Size	inch	2	2	2-1/2
Evaporator	Mode	Finned Tube			
	Pitch of fins	mm	1.6	1.6	1.8
Indoor fan	Mode	Centrifugal			
	Drive mode	Belt Driving			
Filter		Nylon Air Filter			
Controller		Wired Controller			
Drain pipe	Condensate pipe	inch	G3/4		
	Width	mm	1700	1950	1950
	Depth	mm	710	1060	1060
Outline dimension	Height	mm	1950	1950	2000
	Net weight	kg	540	870	950

Model		L145S/NaE-M	L160S/NaE-M	L196S/NaE-M	L35S/NaE-U	L55S/NaE-U	L70S/NaE-U
Cooling capacity	kW	145	160	196	32	52	67
Air flow	m ³ /h	23000	26000	32000	6000	8400	11000
External static pressure	Pa	140	190	250	75	75	150
Motor power	kW	5.5	7.5	11.0	1.5	2.2	3.0
Non-standard static pressure	Pa	140~450	190~450	190~500	50~200	50~200	150~300
Control temperature range	°C	16~30				16~30	
Power supply	V/Ph/Hz	380~400/3P/50				460/3P/60	
Total cooling power	kW	35.5	39.0	48.4	8.0	13.2	16.2
Condenser	Mode	Shell-and-tube				Shell-and-tube	
	Water volume	m ³ /h	31.2	34.4	42.1	6.5	11.2
	Water resistance	kPa	50	55	60	35	35
	Size	inch	2-1/2	2-1/2	3	1-1/2	2
Evaporator	Mode	Finned Tube				Finned Tube	
	Pitch of fins	mm	1.8				1.6
Indoor fan	Mode	Centrifugal				Centrifugal	
	Drive mode	Belt Driving				Belt Driving	
Filter		Nylon Air Filter				Nylon Air Filter	
Controller		Wired Controller				Wired Controller	
Drain pipe	Condensate pipe	inch	G3/4				G3/4
	Width	mm	2300	2300	2650	1250	1700
	Depth	mm	1200	1200	1220	710	710
Outline dimension	Height	mm	2000	2000	2150	1950	1950
	Net weight	kg	1120	1130	1445	420	510

Note: The above products are not for EU.

Voltage Range		Condenser					Air Temp of the Evaporating Coil				Default	
Min. V	Max. V	Cooling Water				Refrigerant	DB Temp °C		WB Temp °C		Min. Mpa	Max. Mpa
		Leaving Water Temp °C		MPa		MPa						
		Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.		
342	440	18	42	0.14	1.03	4.2	15	35	13	24	0.45	3.7



SCREW CHILLER

High-efficiency Heat
Pump Air-cooled Screw
Chiller

High-efficiency Modular
Air-cooled Screw Chiller

High-efficiency
Water-cooled Screw
Chiller

Permanent Magnetic
Synchronous Inverter
Screw Chiller

High-efficiency Heat Pump Air-cooled Screw Chiller R134A

Gree High-efficiency Air-cooled Screw Chiller adopts Gree brand air-cooled heat pump specialized compressor, flooded type shell-and-tube design and a totally enclosed structure. Featuring high efficiency, high reliability and low noise, this air conditioning equipment can provide cool water in summer and hot water in winter. It can be combined with fan coil units, floor ceiling units, packaged units or other kinds of terminals.



- » High efficiency and energy saving;
- » Gree's efficient air-cooled heat pump specialized compressor;
- » Heat pump flooded type shell-and-tube exchanger design;
- » V-shaped structure for condenser, efficient heat exchange design;



Item	Water side(water temperature)				Air side(outdoor temperature)		
	Nominal operating condition		Operating range		Nominal operating condition		Operating range
	Inlet(°C)	Outlet(°C)	Outlet(°C)	I/O difference(°C)	DB(°C)	WB(°C)	DB(°C)
Cooling	12	7	5~15	2.5~8	35	-	15~52
Heating	40	45	5~15	2.5~8	7	6	-15~24

Model	Heat pump		LMPA30JD4E/Nb-M	LMPB30JD3E/Nb-M	LMPA40JE2E/Nb-M	LMPB40JE1E/Nb-M	LMPA50LE8E/Nb-M	LMPB50LE7E/Nb-M
Capacity	Cooling	kW	315	340	400	445	505	550
	Heating	kW	89.6	96.7	113.7	126.5	143.6	156.4
Capacity steps		%	25%,50%~100%	25%,50%~100%	25%,50%~100%	25%,50%~100%	25%,50%~100%	25%,50%~100%
EER		W/W	3.21	3.21	3.23	3.22	3.22	3.25
COP		W/W	3.23	3.22	3.25	3.21	3.25	3.22
Power supply		V/Ph/Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz
Power input	Cooling	kW	98	106	124	138	157	169
	Heating	kW	99	104	126	134	160	169
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start
Refrigerant	Quantity	-	1	1	1	1	1	1
	Type	-	R134a	R134a	R134a	R134a	R134a	R134a
Water side heat exchanger	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Water flow volume	m³/h	54.2	58.5	68.8	76.5	86.9	94.6
	GPM		239	258	303	337	383	417
	Pressure drop	kPa	≤35	≤35	≤45	≤45	≤45	≤45
Air side heat exchanger	ft.WG		≤11.5	≤11.5	≤14.8	≤14.8	≤14.8	≤14.8
	Connection pipe	-	DN100	DN100	DN125	DN125	DN125	DN125
	Type	-	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
	Total fan air flow	m³/h	19500 × 6	21500 × 6	19500 × 8	21500 × 8	19500 × 10	21500 × 10
Dimension	Package(W × D × H)	mm	3820 × 2330 × 2550	3820 × 2330 × 2550	5040 × 2330 × 2550	5040 × 2330 × 2550	6260 × 2330 × 2550	6260 × 2330 × 2550
	Net/Gross/Opening Weight	kg	4570/4610/4661	4600/4640/4692	5435/5475/5544	5500/5540/5610	6450/6495/6584	6590/6630/6722
Loading quantity	40'GP/40'HQ	set	0/2	0/2	0/2	0/2	0/1	0/1

Note: The parameters are estimated. Please refer to the data on the nameplate.

Model	Heat pump		LMPA33LF6E/Nb-M	LMPB33LF5E/Nb-M	LMPB43LG4E/Nb-M	LMPB43LG3E/Nb-M	LMPA44LF2E/Nb-M	LMPB44LF1E/Nb-M
Capacity	Cooling	kW	640	690	730	790	825	900
	Heating	kW	182.0	196.2	207.6	224.6	234.6	255.9
Capacity steps		%	12.5%,25%~100%	12.5%,25%~100%	12.5%,25%~100%	12.5%,25%~100%	12.5%,25%~100%	12.5%,25%~100%
EER		W/W	3.20	3.21	3.24	3.22	3.24	3.23
COP		W/W	3.26	3.25	3.25	3.23	3.26	3.22
Power supply		V/Ph/Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz
Power input	Cooling	kW	200	215	225	245	255	279
	Heating	kW	198	211	232	243	250	276
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start
Refrigerant	Quantity	-	2	2	2	2	2	2
	Type	-	R134a	R134a	R134a	R134a	R134a	R134a
Water side heat exchanger	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Water flow volume	m³/h	110.1	118.7	125.6	135.9	141.9	154.8
	GPM		485	523	554	599	626	683
	Pressure drop	kPa	≤55	≤55	≤55	≤55	≤60	≤60
Air side heat exchanger	ft.WG		≤18.0	≤18.0	≤18.0	≤18.0	≤21.3	≤19.7
	Connection pipe	-	DN150	DN150	DN150	DN150	DN150	DN150
	Type	-	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
	Total fan air flow	m³/h	19500 × 12	21500 × 12	19500 × 14	21500 × 14	19500 × 16	21500 × 16
Dimension	Package(W × D × H)	mm	7340 × 2250 × 2550	7340 × 2250 × 2550	8560 × 2250 × 2550	8560 × 2250 × 2550	9780 × 2250 × 2550	11000 × 2250 × 2550
	Net/Gross/Opening Weight	kg	8550/8590/8721	8410/8450/8578	9900/9940/10098	10075/10115/10277	10910/10950/11128	11110/11150/11332
Loading quantity	40'GP/40'HQ	set	0/1	0/1	0/1	0/1	0/1	0/1

Note: The parameters are estimated. Please refer to the data on the nameplate.

Model	Heat pump		LMPB54NG2E/Nb-M	LMPB55NH1E/Nb-M	LMPB33LF550LE7E/ Nb-M	LMPB33LF533LF5E/ Nb-M	LMPB33LF543LG3E/ Nb-M	LMPB43LG343LG3E/ Nb-M
Capacity	Cooling	kW	1000	1120	1240	1380	1480	1580
		TR	284.4	318.5	352.6	392.4	420.8	449.3
	Heating	kW	980	1075	1230	1370	1470	1570
		TR	278.7	305.7	349.8	389.6	418.0	446.4
Capacity steps		%	12.5%,25%~100%	12.5%,25%~100%	8.3%,16.7%~100%	6.25%,12.5%~100%	6.25%,12.5%~100%	6.25%,12.5%~100%
EER		W/W	3.25	3.24	3.23	3.21	3.22	3.22
COP		W/W	3.23	3.22	3.24	3.25	3.24	3.23
Power supply		V/Ph/Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz
Power input	Cooling	kW	308	346	384	430	460	490
	Heating	kW	303	334	380	422	454	486
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start
	Quantity	-	2	2	3	4	4	4
Refrigerant	Type	-	R134a	R134a	R134a	R134a	R134a	R134a
	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
Water side heat exchanger	Water flow volume	m³/h	172.0	192.6	213.3	237.4	254.6	271.8
		GPM	758	849	940	1047	1122	1198
	Pressure drop	kPa	≤70	≤55	≤55	≤60	≤60	≤60
		ft.WG	≤23.0	≤18.0	≤18.0	≤19.7	≤19.7	≤19.7
Air side heat exchanger	Connection pipe	-	DN150	DN150+DN125	DN150+DN125	2×DN150	2×DN150	2×DN150
	Type	-	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube	Aluminum fin-copper tube
	Total fan air flow	m³/h	21500×18	21500×20	21500×22	21500×24	21500×26	21500×28
		CFM	12654×18	12654×20	12654×22	12654×24	12654×26	12654×28
Dimension	Total fan motor power	kW	1.8×18	1.5×20	1.5×22	1.5×24	1.5×26	1.5×28
	Outline(W×D×H)	mm	11000×2250×2550	12230×2250×2550	13450×2250×2550	14670×2250×2550	15890×2250×2550	17120×2250×2550
	Package(W×D×H)	mm	11150×2330×2550	12380×2330×2550	13600×2330×2550	14820×2330×2550	16040×2330×2550	17270×2330×2550
Net/Gross/Opening Weight		kg	12380/12420/12628	13160/13200/13423	15000/15040/15300	16820/16860/17156	18485/18525/18855	20150/20190/20553
Loading quantity	40'GP/40'HQ	set	0/1	0/0	0/0	0/0	0/0	0/0

Note: The parameters are estimated. Please refer to the data on the nameplate.

High-efficiency Modular Air-cooled Screw Chiller 134A

It is a kind of high-efficiency air-cooled screw chillers that can be connected to all sorts of fan coil units to realize cooling/heating for civil or industrial buildings.



- Golden fin condenser
- Inner groove copper tube
- Comprehensive protection
- Self-diagnosis
- Memory function
- 24 hour timer
- Long-distance monitoring
- High efficiency
- Modular structure

Thanks to V type fin structure of condenser, unit features small refrigerant pressure loss and high efficiency.

With flooded type shell-and-tube design, evaporating temperature is increased, hence improving the heat exchange efficiency and energy efficiency.

Unit adopts low noise fan blades and specialized compressor noise reduction device, therefore sound level is 5dB(A) lower than the 2nd generation.

Totally enclosed structure, low noise and low vibration design, safe and comfortable.



Item	Water side(water temperature)				Air side(outdoor temperature)		
	Nominal operating condition		Operating range		Nominal operating condition		Operating range
	Inlet(°C)	Outlet(°C)	Outlet(°C)	I/O difference(°C)	DB(°C)	WB(°C)	DB(°C)
Cooling	12	7	5~15	2.5~8	35	-	15~52

Model	Cooling only		LMEA30JD3E/Nb-M	LMEB30JD2E/Nb-M	LMEA40LE5E/Nb-M	LMEB40LE4E/Nb-M	LMEA50LE3E/Nb-M	LMEB50LE2E/Nb-M
Capacity	Cooling	kW	320	350	420	470	520	580
		TR	91.0	99.5	119.4	133.6	147.9	164.9
Capacity steps		%	25%,50%~100%	25%,50%~100%	25%,50%~100%	25%,50%~100%	25%,50%~100%	25%,50%~100%
EER		W/W	3.20	3.24	3.23	3.22	3.21	3.22
Power supply		V/Ph/Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz
Power input	Cooling	kW	100	108	130	146	162	180
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start
	Quantity	-	1	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a	R134a	R134a
	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
Water side heat exchanger	Water flow volume	m³/h	55.0	60.2	72.2	80.8	89.4	99.8
		GPM	243	265	319	356	394	440
	Pressure drop	kPa	≤35	≤35	≤45	≤45	≤45	≤45
		ft.WG	≤11.5	≤11.5	≤14.8	≤14.8	≤14.8	≤14.8
	Connection pipe	-	DN100	DN100	DN125	DN125	DN125	DN125
Air side heat exchanger	Type	-	Aluminum fin-copper	Aluminum fin-copper	Aluminum fin-copper	Aluminum fin-copper	Aluminum fin-copper	Aluminum fin-copper
	Total fan air flow	m³/h	19500 × 6	21500 × 6	19500 × 8	21500 × 8	19500 × 10	21500 × 10
		CFM	11477 × 6	12654 × 6	11477 × 8	12654 × 8	11477 × 10	12654 × 10
	Total fan motor power	kW	1.5 × 6	1.8 × 6	1.5 × 8	1.8 × 8	1.5 × 10	1.8 × 10
Dimension	Outline(W × D × H)	mm	3820 × 2330 × 2550	3820 × 2330 × 2550	5040 × 2330 × 2550	5040 × 2330 × 2550	6110 × 2250 × 2550	6110 × 2250 × 2550
	Package(W × D × H)	mm	3820 × 2330 × 2550	3820 × 2330 × 2550	5040 × 2330 × 2550	5040 × 2330 × 2550	6260 × 2330 × 2550	6260 × 2330 × 2550
Net/Gross/Opening Weight		kg	4130/4170/4213	4310/4350/4396	5210/5250/5314	5515/5555/5625	5980/6020/6100	6240/6280/6365
Loading quantity	40'GP/40'HQ	set	0/2	0/2	0/2	0/2	0/1	0/1

Model	Cooling only		LMEA33LF8E/Nb-M	LMEB33LF6E/Nb-M	LMEB43LF7E/Nb-M	LMEB43LF5E/Nb-M	LMEA44NF4E/Nb-M	LMEB44NF2E/Nb-M
Capacity	Cooling	kW	650	700	750	820	860	940
		TR	184.8	199.1	213.3	233.2	244.5	267.3
Capacity steps		%	12.5%,25%~100%	12.5%,25%~100%	12.5%,25%~100%	12.5%,25%~100%	12.5%,25%~100%	12.5%,25%~100%
EER		W/W	3.25	3.24	3.19	3.22	3.25	3.24
Power supply		V/Ph/Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz
Power input	Cooling	kW	200	216	235	255	265	290
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start
	Quantity	-	2	2	2	2	2	2
Refrigerant	Type	-	R134a	R134a	R134a	R134a	R134a	R134a
	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
Water side heat exchanger	Water flow volume	m³/h	111.8	120.4	129.0	141.0	147.9	161.7
		GPM	493	531	569	622	652	713
	Pressure drop	kPa	≤55	≤55	≤55	≤55	≤65	≤60
		ft.WG	≤18.0	≤18.0	≤18.0	≤18.0	≤21.3	≤19.7
	Connection pipe	-	DN150	DN150	DN150	DN150	DN150	DN150
Air side heat exchanger	Type	-	Aluminum fin-copper	Aluminum fin-copper	Aluminum fin-copper	Aluminum fin-copper	Aluminum fin-copper	Aluminum fin-copper
	Total fan air flow	m³/h	19500 × 12	21500 × 12	19500 × 14	21500 × 14	19500 × 16	21500 × 16
		CFM	11477 × 12	12654 × 12	11477 × 14	12654 × 14	11477 × 16	12654 × 16
	Total fan motor power	kW	1.5 × 12	1.8 × 12	1.5 × 14	1.8 × 14	1.5 × 16	1.8 × 16
Dimension	Outline(W × D × H)	mm	7340 × 2250 × 2550	7340 × 2250 × 2550	8560 × 2250 × 2550	8560 × 2250 × 2550	9780 × 2250 × 2550	9780 × 2250 × 2550
	Package(W × D × H)	mm	7490 × 2330 × 2550	7490 × 2330 × 2550	8710 × 2330 × 2550	8710 × 2330 × 2550	9930 × 2330 × 2550	9930 × 2330 × 2550
Net/Gross/Opening Weight		kg	7920/7960/8078	8120/8160/8282	8350/8390/8517	9110/9150/9292	9860/9900/10057	9970/10010/10169
Loading quantity	40'GP/40'HQ	set	0/1	0/1	0/1	0/1	0/1	0/1

Model	Cooling only		LMEB54NG2E/Nb-M	LMEB33LF650LE2E/Nb-M	LMEB33LF633LF6E/Nb-M	LMEB33LF643LF5E/Nb-M	LMEB43LF543LF5E/Nb-M
Capacity	Cooling	kW	1050	1290	1400	1500	1650
		TR	298.6	364.0	398.1	426.5	469.2
Capacity steps		%	12.5%,25%~100%	8.3%,16.7%~100%	6.25%,12.5%~100%	6.25%,12.5%~100%	6.25%,12.5%~100%
EER		W/W	3.23	3.20	3.22	3.23	3.20
Power supply		V/Ph/Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz	380V/3N~/50Hz
Power input	Cooling	kW	325	400	435	465	515
Compressor	Type	-	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw	Semi-hermetic screw
	Starting mode	-	Star delta start	Star delta start	Star delta start	Star delta start	Star delta start
	Quantity	-	2	3	4	4	4
Refrigerant	Type	-	R134a	R134a	R134a	R134a	R134a
	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
Water side heat exchanger	Water flow volume	m³/h	180.6	220.2	240.8	258.0	283.8
		GPM	796	971	1062	1138	1251
	Pressure drop	kPa	≤70	≤55	≤60	≤60	≤60
		ft.WG	≤23.0	≤18.0	≤19.7	≤19.7	≤19.7
	Connection pipe	-	DN150	DN150+DN125	2 × DN150	2 × DN150	2 × DN150
Air side heat exchanger	Type	-	Aluminum fin-copper	Aluminum fin-copper	Aluminum fin-copper	Aluminum fin-copper	Aluminum fin-copper
	Total fan air flow	m³/h	21500 × 18	21500 × 22	21500 × 24	21500 × 26	21500 × 28
		CFM	12654 × 18	12654 × 22	12654 × 24	12654 × 26	12654 × 28
	Total fan motor power	kW	1.8 × 18	1.8 × 22	1.8 × 24	1.8 × 26	1.8 × 28
Dimension	Outline(W × D × H)	mm	11000 × 2250 × 2550	13450 × 2250 × 2550	14670 × 2250 × 2550	15890 × 2250 × 2550	17120 × 2250 × 2550
	Package(W × D × H)	mm	11150 × 2330 × 2550	13600 × 2330 × 2550	14820 × 2330 × 2550	16040 × 2330 × 2550	17270 × 2330 × 2550
Net/Gross/Opening Weight		kg	11150/11230/11373	14470/14550/14759	15840/15920/16157	17140/17220/17483	18470/18550/18839
Loading quantity	40'GP/40'HQ	set	0/1	0/0	0/0	0/0	0/0

Note: The parameters are estimated. Please refer to the data on the nameplate. LMEB43LF543LF5E/Nb-M can be splitted into two parts and will be transported separately.

High-efficiency Water-cooled Screw Chiller



LHE Series

High-efficiency water-cooled screw chiller is specially designed for improving efficiency and reducing operation cost. This chiller adopts Gree self-developed semi-hermetic dual screw compressor, high-efficiency flooded heat exchanger and eco-friendly R134a. Its EER can be up to 6.3. The cooling capacity under nominal working condition is 260~2100kW. LHE series high-efficiency water-cooled screw chiller can be applied for office buildings, hospitals, schools, shopping malls as well as factories.



High efficiency



Compact design



Energy saving function



Easier maintainability

- » Semi-hermetic dual screw compressor for high efficiency;
- » Low pressure loss design;
- » Efficient vertical oil separator: with a tight structure, cyclone separation, inertial impaction, natural setting and adsorption separation, oil and gas is separated thoroughly. Oil separation efficiency is up to 99.89%.



Operating condition of nominal cooling (water temperature)				Operating range (water temperature)			
Chilled water		Cooling water		Chilled water		Cooling water	
Inlet(°C)	Outlet(°C)	Inlet(°C)	Outlet(°C)	Outlet(°C)	I/O difference(°C)	Inlet(°C)	I/O difference(°C)
-	7	30	-	4~15	2.5~8	18~35	3.5~8

Model		LHE353CE5AE2/Nb	LHE353CE4AE1E/Nb	LHE533CE3CE3/Nb	LHE553CE2CE2/Nb	LHE553CE1CE1E/Nb	LHE643EE7EE7/Nb
Cooling capacity	kW	261.6	294.7	341.3	367.9	425.8	455.3
	RT	74.4	83.8	97.1	104.6	121.1	129.5
Capacity adjustment range	%	25%-100%	25%-100%	25%-100%	25%-100%	25%-100%	25%-100%
EER	W/W	5.89	5.94	6.01	6.05	6.06	6.02
IPLV	W/W	6.94	7.04	7.11	7.16	7.11	7.04
Power supply	-M	Ph.V/Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz
	-G	Ph.V/Hz	/	/	/	/	/
Power input	kW	44.4	49.6	56.8	60.8	70.3	75.6
Compressor	Type	-	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw
	Starting mode*	-	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
	Quantity	-	1	1	1	1	1
Refrigerant charge volume	kg	85	100	105	110	115	130
Refrigeration Type	-	R134a	R134a	R134a	R134a	R134a	R134a
Oil charge volume	L	20	20	23	23	23	23
Evaporator	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Fouling factor	m ² °C /kW	0.0176	0.0176	0.0176	0.0176	0.0176
	Water flow rate	m ³ /h	41	46	53	57	66
	GPM		179	201	233	251	291
	Pressure drop	kPa	52.8	52.9	47.3	40.8	46.6
	ft.WG		17.3	17.4	15.5	13.4	15.8
Condenser	Connection pipe	mm	DN100	DN100	DN100	DN100	DN125
	Type	-	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser
	Fouling factor	m ² °C /kW	0.0440	0.0440	0.0440	0.0440	0.0440
	Water flow rate	m ³ /h	51	57	66	71	83
	GPM		224	252	292	314	364
	Pressure drop	kPa	42.1	44.8	42.3	42.8	46.2
Sound pressure level	ft.WG		13.8	14.7	13.9	14.0	15.2
	Connection pipe	mm	DN100	DN100	DN125	DN125	DN125
Dimension	Outline(WxDxH)	mm	3260x1280x1850	3260x1280x1850	3240x1450x1960	3240x1450x1960	3240x1450x1960
	Package(WxDxH)	mm	3310x1330x1950	3310x1330x1950	3290x1500x2060	3290x1500x2060	3290x1515x2140
Net/Gross/Opening Weight	kg	2300/2400/2450	2330/2430/2450	2730/2830/2900	2780/2880/2950	2800/2900/2950	3350/3450/3550
Loading quantity	40'GP/40'HQ	set	1	1	1	1	1

Model		LHE653EE6EE6/Nb	LHE653EE5EE5E/Nb	LHE822EE4EE4/Nb	LHE832EE3EE3/Nb	LHE832EE2EE2/Nb	LHE862EE1EE1E/Nb
Cooling capacity	kW	484.6	544.7	593.7	663	698	744.9
	RT	137.8	154.9	168.9	188.6	198.5	211.9
Capacity adjustment range	%	25%-100%	25%-100%	25%-100%	25%-100%	25%-100%	25%-100%
EER	W/W	6.05	6.03	6.02	6.02	6.02	6.03
IPLV	W/W	7.17	7.02	7.06	7.05	7.10	7.11
Power supply	-M	Ph.V/Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz
	-G	Ph.V/Hz	/	/	/	/	/
Power input	kW	80.1	90.3	98.6	110.1	116	123.6
Compressor	Type	-	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw
	Starting mode*	-	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
	Quantity	-	1	1	1	1	1
Refrigerant charge volume	kg	140	150	180	190	180	180
Refrigeration Type	-	R134a	R134a	R134a	R134a	R134a	R134a
Oil charge volume	L	23	23	28	28	28	28
Evaporator	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Fouling factor	m ² °C /kW	0.0176	0.0176	0.0176	0.0176	0.0176
	Water flow rate	m ³ /h	75	85	92	103	116
	GPM		331	372	406	453	509
	Pressure drop	kPa	51.3	56.3	51.3	56.2	49.7
	ft.WG		16.8	18.5	16.8	18.4	16.3
Condenser	Connection pipe	mm	DN125	DN125	DN150	DN150	DN150
	Type	-	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser
	Fouling factor	m ² °C /kW	0.0440	0.0440	0.0440	0.0440	0.0440
	Water flow rate	m ³ /h	94	107	115	129	136
	GPM		414	473	508	567	597
	Pressure drop	kPa	43.6	45.4	42	44.5	43.2
Sound pressure level	ft.WG		14.3	14.9	13.8	14.6	11.9
	Connection pipe	mm	DN125	DN125	DN150	DN150	DN150
Dimension	Outline(WxDxH)	mm	3240x1465x2040	3240x1465x2040	3240x1508x2100	3240x1508x2100	3240x1508x2100
	Package(WxDxH)	mm	3290x1515x2140	3290x1515x2140	3290x1558x2200	3290x1558x2200	3290x1558x2200
Net/Gross/Opening Weight	kg	3370/3470/3550	3400/3500/3600	3830/3930/4050	3880/3980/4100	3930/4030/4150	3980/4080/4200
Loading quantity	40'GP/40'HQ	set	1	1	1	1	1

Note: The parameters are estimated. Please refer to the data on the nameplate.

Model		LHE932EE3EE3E/Nb	LHE942HE3GE3/Nb	LHE952HE2GE2/Nb	LHE952HE1GE1E/Nb	LHE533GF2EF2-2/Nb	LHE553GF2EF2-2/Nb
Cooling capacity	kW	842.0	911.8	971.7	1052	697.6	744.1
	RT	239.5	259.3	276.4	299.2	198.4	211.6
Capacity adjustment range	%	25%-100%	25%-100%	25%-100%	25%-100%	12.5%-100%	12.5%-100%
EER	W/W	5.78	5.79	5.83	5.90	6.02	6.03
IPLV	W/W	7.72	7.65	7.50	7.56	7.10	7.14
Power supply	-M	Ph.V/Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz
	-G	Ph.V/Hz	/	/	/	/	/
Power input	kW	145.8	157.4	166.8	178.4	115.9	123.5
Compressor	Type	-	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw
	Starting mode*	-	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
	Quantity	-	1	1	1	2	2
Refrigerant charge volume	kg	240	260	260	280	200	220
Refrigeration Type	-	R134a	R134a	R134a	R134a	R134a	R134a
Oil charge volume	L	28	40	40	40	46	46
Evaporator	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Fouling factor	m ² °C /kW	0.0176	0.0176	0.0176	0.0176	0.0176
	Water flow rate	m ³ /h	131	142	151	163	115
	GPM		575	623	664	719	508
	Pressure drop	kPa	50.7	42.5	43.4	44.2	57.8
	ft.WG		16.6	13.9	14.2	14.5	19.0
Condenser	Connection pipe	mm	DN150	DN150	DN150	DN150	DN150
	Type	-	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser
	Fouling factor	m ² °C /kW	0.0440	0.0440	0.0440	0.0440	0.0440
	Water flow rate	m ³ /h	165	178	190	205	136
	GPM		725	784	835	902	636
	Pressure drop	kPa	47.6	44.2	45.1	45.8	46.1
Sound pressure level	ft.WG		15.6	14.5	14.8	15.0	15.1
	Connection pipe	mm	DN150	DN200	DN200	DN150	DN150
Dimension	Outline(WxDxH)	mm	3260x1740x2370	3390x1830x2370	3390x1830x2370	3390x1830x2370	3560x1700x2200
	Package(WxDxH)	mm	3310x1790x2470	3440x1880x2470	3440x1880x2470	3440x1880x2470	3610x1750x2300
Net/Gross/Opening Weight	kg	4800/4900/5100	5400/5500/5700	5500/5600/5750	5600/5700/5950	5250/5450/5500	5330/5530/5600
Loading quantity	40'GP/40'HQ	set	1	1	1	1	1

Model		LHE553GF1EF1E-2/Nb	LHE643GH3GH6-2/Nb	LHE653GH2GH5-2/Nb	LHE653GH1GH4E-2/Nb	LHE822HJ6GJ6-2/Nb	LHE832HJ5GJ5-2/Nb
Cooling capacity	kW	842.0	911.1	969.6	1090	1188	1287
	RT	239.5	259.1	275.8	310.0	337.9	366.0
Capacity adjustment range	%	12.5%-100%	12.5%-100%	12.5%-100%	12.5%-100%	12.5%-100%	12.5%-100%
EER	W/W	6.10	6.03	6.05	6.16	6.11	6.11
IPLV	W/W	7.20	7.04	7.17	7.19	7.19	7.20
Power supply	-M	Ph.V/Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz
	-G	Ph.V/Hz	/	/	/	/	/
Power input	kW	138.1	151.2	160.2	176.9	194.3	210.8
Compressor	Type	-	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw
	Starting mode*	-	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
	Quantity	-	2	2	2	2	2
Refrigerant charge volume	kg	240	270	280	310	360	380
Refrigeration Type	-	R134a	R134a	R134a	R134a	R134a	R134a
Oil charge volume	L	46	46	46	46	56	56
Evaporator	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Fouling factor	m ² °C /kW	0.0176	0.0176	0.0176	0.0176	0.0176
	Water flow rate	m ³ /h	131	141	150	169	200
	GPM		575	622	663	745	879
	Pressure drop	kPa	62.9	69.4	68.5	71.9	73
	ft.WG		20.6	22.8	22.5	23.9	23.9
Condenser	Connection pipe	mm	DN150	DN150	DN150	DN200	DN200
	Type	-	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser
	Fouling factor	m ² °C /kW	0.0440	0.0440	0.0440	0.0440	0.0440
	Water flow rate	m ³ /h	163	177	188	211	249
	GPM		719	779	829	929	1098
	Pressure drop	kPa	48.6	60.3	59.5	63.2	73.4
Sound pressure level	ft.WG		15.9	19.8	19.5	20.7	24.1
	Connection pipe	mm	DN150	DN200	DN200	DN200	DN200
Dimension	Outline(WxDxH)	mm	3560x1700x2200	4090x1730x2200	4090x1730x2200	4090x1730x2200	4550x1800x2280
	Package(WxDxH)	mm	3610x1750x2300	4140x1780x2300	4140x1780x2300	4140x1780x2300	4600x1850x2380
Net/Gross/Opening Weight	kg	5380/5580/5700	6350/6550/6700	6380/6580/6750	6420/6620/6800	7790/7990/8250	7850/8050/8300
Loading quantity	40'GP/40'HQ	set	1	1	1	1	1

Note: The parameters are estimated. Please refer to the data on the nameplate.

Model		LHE832HJ4GJ4E -2/Nb	LHE842HJ4GJ4E -2/Nb	LHE932KK3JK3 -2/Nb	LHE932KK4JK4 -2/Nb	LHE942KK2JK2 -2/Nb	LHE952KK1JK1E -2/Nb	LHE952KK1JK1E -2/Nb
Cooling capacity	kW	1386	1466	1583	1682	1832	1982	2102
	RT	394.2	417.0	450.2	478.4	521.0	563.7	597.8
Capacity adjustment range	%	12.5%-100%	12.5%-100%	12.5%-100%	12.5%-100%	12.5%-100%	12.5%-100%	12.5%-100%
EER	W/W	6.12	6.14	5.78	5.80	5.82	5.85	5.91
IPLV	W/W	7.15	7.14	7.72	7.68	7.69	7.63	7.54
Power supply	-M	Ph,V/Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz
	-G	Ph,V/Hz	/	/	/	/	/	/
Power input	kW	226.5	238.6	273.7	289.9	314.6	338.9	355.6
Compressor	Type	-	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw
	Starting mode*	-	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
	Quantity	-	2	2	2	2	2	2
Refrigerant charge volume	kg	420	420	550	550	580	600	600
Refrigeration Type	-	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Oil charge volume	L	56	56	80	80	80	80	80
Evaporator	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Fouling factor	m ² °C / kW	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176
	Water flow rate	m ³ /h	215	228	246	261	284	308
	GPM		947	1002	1082	1149	1252	1354
	Pressure drop	kPa	73.2	73	69.7	69.5	69.6	70.1
	ft.WG		24.0	23.9	22.9	22.8	22.8	23.0
Condenser	Connection pipe	mm	DN200	DN200	DN250	DN250	DN250	DN250
	Type	-	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser
	Fouling factor	m ² °C / kW	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440
	Water flow rate	m ³ /h	269	284	309	329	358	387
	GPM		1183	1251	1362	1446	1575	1702
	Pressure drop	kPa	73.8	73.8	72	72.3	72.3	72
Sound pressure level	ft.WG		24.2	24.2	23.6	23.7	23.7	23.6
	Connection pipe	mm	DN200	DN200	DN250	DN250	DN250	DN250
Dimension	Outline(WxDxH)	mm	4550x1800x2280	4550x1800x2280	4600x1770x2490	4600x1770x2490	4720x1900x2530	4720x1900x2530
	Package(WxDxH)	mm	4600x1850x2380	4600x1850x2380	4650x1820x2590	4650x1820x2590	4770x1950x2630	4770x1950x2630
Net/Gross/Opening Weight	kg		7900/8100/8400	7950/8150/8450	9450/9650/10050	9600/9800/10200	9700/9900/10250	9750/9950/10400
Loading quantity	40'GP/40'HQ	set	1	1	1	1	1	1

Note: The parameters are estimated. Please refer to the data on the nameplate.

Permanent Magnetic Synchronous Inverter Screw Chiller

LHVE Series

Gree LHVE Series Permanent Magnetic Synchronous Inverter Screw Chiller (R134a) is specially designed to improve efficiency and reduce operation cost. Adopting the advanced semi-hermetic permanent magnetic synchronous inverter screw compressor, the latest efficient falling film heat exchanger and the eco-friendly refrigerant R134a, the product is energy-saving with high reliability, ensuring long-term stable operation. Cooling capacity range under nominal condition is 120 ~ 600RT. It is widely applied to all kinds of office buildings, hospitals, schools and malls. Moreover, it can be adopted in cooling occasions of technological process.



High efficiency



Compact design



Energy saving function



Easier maintainability



Wide voltage range



All DC inverter technology

- » Synergy control method of speed and volume;
- » Bilateral drive and efficient GRZ-type curve;
- » Efficient permanent magnetic synchronous inverter motor;
- » Full DC electronic control system.



Operating condition of nominal cooling (water temperature)				Operating range (water temperature)			
Chilled water		Cooling water		Chilled water		Cooling water	
Inlet(°C)	Outlet(°C)	Inlet(°C)	Outlet(°C)	Outlet(°C)	I/O difference(°C)	Inlet(°C)	I/O difference(°C)
-	7	30	-	4~15	2.5~8	18~35	3.5~8

Model			LHVE432GE8QE8/ Nb-M	LHVE432GE7GE7/ Nb-M	LHVE432GE6QE6/ Nb-M	LHVE532GE5QE5/ Nb-M	LHVE532GE4QE4/ Nb-M	LHVE532GE3QE3/ Nb-M	LHVE732HE7JE7/ Nb-M
Cooling capacity		kW	348.3	421.4	470.7	522.5	574.7	644.4	696.6
		RT	99.1	119.9	133.9	148.6	163.5	183.3	198.1
Capacity adjustment range		%	10%-100%	10%-100%	10%-100%	10%-100%	10%-100%	10%-100%	10%-100%
EER		W/W	5.93	5.93	5.88	5.87	5.88	5.85	5.86
IPLV		W/W	9.93	10.08	10.10	9.96	10.04	10.08	10.00
Power supply	-M	Ph.V/Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz
	-G	Ph.V/Hz	/	/	/	/	/	/	/
Power input		kW	58.7	71.1	80.1	89	97.7	110.1	118.9
Compressor	Type	-	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw
	Starting mode*	-	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Quantity	-	1	1	1	1	1	1	1
Refrigerant charge volume		kg	140	140	140	180	180	200	220
Refrigeration Type		-	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Oil charge volume		L	20	20	20	23	23	23	23
Evaporator	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Fouling factor	m ² °C / kW	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176
	Water flow rate	m ³ /h	54	65	73	81	89	100	108
		GPM	238	288	322	357	393	440	476
	Pressure drop	kPa	38.3	38.4	39.2	43.3	43.3	43.3	43.3
		ft.WG	12.6	12.6	12.9	14.2	13.4	14.2	14.2
Connection pipe		mm	DN125	DN125	DN125	DN125	DN125	DN150	
Condenser	Type	-	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser
	Fouling factor	m ² °C / kW	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440
	Water flow rate	m ³ /h	68	82	92	102	112	126	136
		GPM	296	361	404	448	493	553	598
	Pressure drop	kPa	45.6	45.6	45.7	44.8	45.7	44.9	44
		ft.WG	15.0	15.0	15.0	14.7	15.0	14.7	14.4
Connection pipe		mm	DN150	DN150	DN150	DN150	DN150	DN200	
Sound pressure level		dB(A)	82.0	83.0	84.0	84.0	85.0	86.0	85.0
Dimension	Outline(WxDxH)	mm	3320x1560x1980	3320x1560x1980	3320x1560x1980	3320x1570x1980	3320x1570x1980	3320x1570x1980	3400x1700x2010
	Package(WxDxH)	mm	3370x1610x2080	3370x1610x2080	3370x1610x2080	3370x1620x2080	3370x1620x2080	3370x1620x2080	3450x1750x2110
Net/Gross/Opening Weight		kg	3500/3600/3710	3550/3650/3770	3600/3700/3820	3680/3780/3900	3700/3800/3930	3750/3850/3980	4350/4450/4610
Loading quantity		40'GP/40'HQ	set	1	1	1	1	1	1

Model			LHVE732HE6JE6/ Nb-M	LHVE732HE5JE5/ Nb-M	LHVE832HE4JE4/ Nb-M	LHVE832HE3JE3/ Nb-M	LHVE832HE2JE2/ Nb-M	LHVE532LJ4LJ4-2/ Nb-M	LHVE532LJ3LJ3-2/ Nb-M
Cooling capacity	kW		757.6	817.7	870.9	931.2	991.6	1045	1149
	RT		215.5	232.6	247.7	264.8	282.0	297.2	326.8
Capacity adjustment range	%		10%-100%	10%-100%	10%-100%	10%-100%	10%-100%	5%-100%	5%-100%
EER	W/W		5.83	5.82	5.64	5.63	5.62	6.21	6.17
IPLV	W/W		10.03	10.04	9.68	9.70	9.71	10.58	10.61
Power supply	-M	Ph.VHz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz
	-G	Ph.VHz	/	/	/	/	/	/	/
Power input	kW		129.9	140.6	154.3	165.5	176.6	168.4	186.3
Compressor	Type	-	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw
	Starting mode*	-	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Quantity	-	1	1	1	1	1	2	2
Refrigerant charge volume	kg		220	250	250	250	280	360	360
Refrigeration Type	-		R134a	R134a	R134a	R134a	R134a	R134a	R134a
Oil charge volume	L		23	23	28	28	28	46	46
Evaporator	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Fouling factor	m ² °C / kW	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176
	Water flow rate	m ³ /h	118	127	135	145	154	162	178
		GPM	518	559	595	636	677	714	785
	Pressure drop	kPa	43.3	44.1	42.5	43.3	44.1	64.1	61.3
		ft.WG	14.2	14.5	13.9	14.2	14.5	21.0	20.1
Connection pipe	mm		DN150	DN150	DN150	DN150	DN200	DN200	
Condenser	Type	-	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser	Horizontal shell and tube condenser
	Fouling factor	m ² °C / kW	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440
	Water flow rate	m ³ /h	148	160	171	183	195	202	222
		GPM	661	703	752	804	857	890	979
	Pressure drop	kPa	41.6	43.3	43.6	42.8	43.7	71.2	67.5
		ft.WG	13.6	14.2	14.3	14.0	14.3	23.4	22.1
Connection pipe	mm		DN200	DN200	DN200	DN200	DN200	DN200	
Sound pressure level	dB(A)		86.0	87.0	86.0	87.0	88.0	86.0	87.0
Dimension	Outline(WxDxH)	mm	3400x1700x2010	3400x1700x2010	3400x1860x2040	3400x1860x2040	3400x1860x2040	4600x1920x2090	4600x1920x2090
	Package(WxDxH)	mm	3450x1750x2110	3450x1750x2110	3450x1910x2140	3450x1910x2140	3450x1910x2140	4650x1970x2190	4650x1970x2190
Net/Gross/Operting Weight	kg		4400/4500/4660	4450/4550/4720	5050/5150/5350	5100/5200/5400	5150/5250/5460	7850/8000/8320	7900/8050/8370
Loading quantity	40'GP/40'HQ	set	1	1	1	1	1	1	1

Model		LHVE532LJ2LJ2 -2/Nb-M	LHVE732MJ8MJ8 -2/Nb-M	LHVE732MJ6MJ6 -2/Nb-M	LHVE732MJ5MJ5 -2/Nb-M	LHVE832MJ7MJ7 -2/Nb-M	LHVE832MJ3MJ3 -2/Nb-M	LHVE832MJ2MJ2 -2/Nb-M	
Cooling capacity		kW	1271	1393	1498	1602	1742	1846	1951
		RT	361.5	396.2	426.1	455.6	495.4	525.0	554.9
Capacity adjustment range		%	5%-100%	5%-100%	5%-100%	5%-100%	5%-100%	5%-100%	5%-100%
EER		W/W	6.111	6.188	6.149	6.119	5.96	5.97	5.943
IPLV		W/W	10.61	10.63	10.64	10.64	10.28	10.32	10.32
Power supply		-M	Ph.VHz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz	380V 3~ 50Hz
		-G	Ph.VHz	/	/	/	/	/	/
Power input		kW	208	225.1	243.6	261.8	292.3	309.2	328.3
Compressor	Type	-	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw	Semi-hermetic dual screw
	Starting mode*	-	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter	Inverter
	Quantity	-	2	2	2	2	2	2	2
Refrigerant charge volume		kg	400	440	440	500	500	500	560
Refrigeration Type		-	R134a	R134a	R134a	R134a	R134a	R134a	R134a
Oil charge volume		L	46	46	46	46	56	56	56
Evaporator	Type	-	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator	Flooded evaporator
	Fouling factor	m ² °C / kW	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176
	Water flow rate	m ³ /h	197	216	232	249	270	286	303
		GPM	868	952	1023	1094	1190	1261	1333
	Pressure drop	kPa	63	64.4	64.4	63.3	64.7	62.9	62.9
		ft.WG	20.7	21.1	21.1	20.8	21.2	20.6	20.6
Connection pipe		mm	DN200	DN200	DN200	DN200	DN250	DN250	
Condenser	Type	-	Horizontal shell and tube condenser						
	Fouling factor	m ² °C / kW	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440
	Water flow rate	m ³ /h	246	269	290	310	339	359	379
		GPM	1085	1187	1277	1367	1492	1580	1671
	Pressure drop	kPa	69.8	71.5	71.2	70	71.7	69.3	69.7
		ft.WG	22.9	23.5	23.4	23.0	23.5	22.7	22.9
Connection pipe		mm	DN200	DN250	DN250	DN250	DN250	DN250	
Sound pressure level		dB(A)	88.0	86.0	87.0	88.0	86.0	87.0	88.0
Dimension	Outline(WxDxH)	mm	4600x1920x2090	4620x1960x2130	4620x1960x2130	4620x1960x2130	4620x1960x2130	4620x1960x2130	4620x1960x2130
	Package(WxDxH)	mm	4650x1970x2190	4670x2010x2230	4670x2010x2230	4670x2010x2230	4670x2010x2230	4670x2010x2230	4670x2010x2230
Net/Gross/Opening Weight		kg	7950/8100/8430	8850/9000/9380	8900/9050/9430	8950/9100/9490	10000/10150/10600	10100/10250/10700	10200/10350/10810
Loading quantity		40'GP/40'HQ	set	1	1	1	1	1	1

A nighttime photograph of a dense urban skyline. Several tall skyscrapers are visible, their windows glowing with warm yellow light. The sky is a deep blue. In the foreground, there are some trees and lower-level buildings, also illuminated. The overall scene is a vibrant city at night.

CENTRIFUGAL CHILLER

CE-standard Series
Fixed-speed Centrifugal
Chiller

CVE-standard Series
Permanent Magnet
Synchronous Inverter
Centrifugal Chiller

CCE Series Magnetic
Bearing Inverter
Centrifugal Chiller

CE-Standard Series Fixed-speed Centrifugal Chiller R134A

A new generation of fixed-speed centrifugal chiller, with two-stage compression technology, is highly efficient, energy-saving, safe and reliable.



» Two-stage compressor air makeup technology and economizer are adopted to improve efficiency by 5~6% compared with one-stage cooling circulation system. Rotation speed of compressor is reduced, operation reliability is improved and lifespan is prolonged. Meanwhile, surge margin is wide and operation range is wide.

» It adopts the high-efficiency permanent magnet synchronous inverter motor, with the helical refrigerant ejecting cooling technology to ensure high-efficiency operation.

» With integrated startup cabinet and wire connection in the factory, user only needs to provide power cord, so wire connection during installation is simplified and floor area of startup cabinet is reduced.

» Semi-enclosed motor and helical refrigerant ejecting cooling technology is adopted to not only reduce the risk of refrigerant and lubricant leakage, but also prevent heat dissipation in machine room, reducing the cooling device cost and operation cost.

» New heat exchanger specially designed for centrifugal chiller contributes to even distribution of refrigerant, rational temperature field and heat exchange rate improvement; meanwhile, the heat exchanger adopts high-efficiency heat exchange tube for reducing heat transfer resistance and improving the system's cooling capacity and energy efficiency ratio.

» User-friendly touch screen is adopted for convenient operation.

» High-performance digital signal processing and intelligent control technology is adopted.

Operating range			
Chilled water		Cooling water	
Outlet water temp.(°C)	Temp. Difference between Inlet&Outlet(°C)	Inlet water temp.(°C)	Temp. Difference between Inlet&Outlet(°C)
5~15	2.5~8	12~35	3.5~8

Model		CE330MHFJHE	CE331MHGJHF	CE410NHEJHD	CE411NHQJHC	CE420PHQKHE	CE421PHFKHD
Cooling capacity	kW	1934	2110	2285	2461	2637	2813
	RT	550	600	650	700	750	800
EER	W/W	6.10	6.04	6.07	6.13	6.17	6.15
IPLV	W/W	6.69	6.94	6.55	6.92	6.83	6.94
Power supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Power input	kW	317.0	349.3	376.5	401.5	427.4	457.4
RLA	A	541.2	596.3	642.7	685.4	729.6	780.9
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
	Quantity	1	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a	R134a
	charge volume	kg	450	450	480	525	525
oil charge volume	L	50	50	60	60	60	60
Evaporator	Type	-	Falling film	Falling film	Falling film	Falling film	Falling film
	Fouling factor	m ² ·°C/kW	0.018	0.018	0.018	0.018	0.018
	Water flow volume	L/s	83.3	90.8	98.4	106.0	113.6
		GPM	1320.0	1440.0	1560.0	1680.3	1800.8
	Pressure drop	kPa	69.6	72	71.7	73.2	72.4
		ft.WG	22.8	23.6	23.5	24.0	23.8
Condenser	Number of passes	-	2	2	2	2	2
	Connection pipe	mm	DN250	DN250	DN250	DN250	DN300
	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² ·°C/kW	0.044	0.044	0.044	0.044	0.044
	Water flow volume	L/s	104.2	113.9	123.3	132.6	141.9
		GPM	1651.8	1805.5	1954.6	2102.0	2249.4
Sound pressure level (Max.)	Pressure drop	kPa	61.6	63.6	64.2	66.2	65.6
		ft.WG	20.2	20.9	21.1	21.7	21.5
	Number of passes	-	2	2	2	2	2
Dimension (WxDxH)	Outline	mm	4250×1905×2350	4250×1905×2350	4250×1975×2350	4250×1975×2350	4250×2080×2450
	Package	mm	4400×2000×2720	4400×2000×2720	4400×2000×2650	4400×2000×2650	4400×2200×2700
Net/gross/operating weight	kg		7592/8600/8400	7735/8900/8550	8976/10000/9800	9202/10200/10050	9810/10800/10750

Model		CE510PHEKHC	CE511QHFKHB	CE512QHDKHA	CE520QIEMID	CE522QICMIC	CE530RJEJMF
Cooling capacity	kW	2989	3164	3340	3516	3688	4219
	RT	850	900	950	1000	1100	1200
EER	W/W	6.27	6.26	6.25	6.16	6.20	6.33
IPLV	W/W	7.07	6.95	7.05	6.66	6.90	6.86
Power supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Power input	kW	476.7	505.5	534.4	570.8	623.8	666.5
RLA	A	813.7	862.9	912.3	974.4	1064.9	1137.9
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
	Quantity	1	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a	R134a
	charge volume	kg	525	650	650	900	950
oil charge volume	L	80	80	80	80	80	80
Evaporator	Type	-	Falling film	Falling film	Falling film	Falling film	Falling film
	Fouling factor	m ² ·°C/kW	0.018	0.018	0.018	0.018	0.018
	Water flow volume	L/s	128.7	136.3	143.8	151.4	166.5
		GPM	2040.2	2160.6	2279.5	2400.0	2639.4
	Pressure drop	kPa	71.9	72	69.6	74.7	74.1
		ft.WG	23.6	23.6	22.8	24.5	24.3
Condenser	Number of passes	-	2	2	2	2	2
	Connection pipe	mm	DN300	DN300	DN300	DN300	DN300
	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² ·°C/kW	0.044	0.044	0.044	0.044	0.044
	Water flow volume	L/s	160.5	169.9	179.4	189.2	208
		GPM	2544.3	2693.3	2843.9	2999.2	3297.2
Sound pressure level (Max.)	Pressure drop	kPa	64.6	63.9	66.4	70.3	69.8
		ft.WG	21.2	21.0	21.8	23.1	22.9
	Number of passes	-	2	2	2	2	2
Dimension (WxDxH)	Outline	mm	4250×2080×2450	4250×2130×2600	4250×2130×2600	4540×2210×2650	4540×2210×2650
	Package	mm	4400×2200×2700	4400×2250×2800	4400×2250×2800	4700×2400×2900	4700×2400×2900
Net/gross/operating weight	kg		10476/11400/11500	10835/11800/11950	11036/12100/12150	12528/13800/13950	12931/14200/14400

Model		CE611SKPOKP	CE620SKOQKO	CE621TKRKR-G	CE630TKORKQ-G	CE631TKPRKP-G
Cooling capacity	kW	4571	4922	5274	5626	5977
	RT	1300	1400	1500	1600	1700
EER	W/W	6.28	6.28	6.34	6.37	6.37
IPLV	W/W	7.09	6.95	7.17	7.08	7.21
Power supply	V/Ph/Hz	380/3/50	380/3/50	10000/3/50	10000/3/50	10000/3/50
Power input	kW	727.8	783.8	831.9	883.1	938.3
RLA	A	1242.5	1338.1	54.0	57.3	60.9
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Y-Δ	Direct starting	Direct starting	Direct starting
	Quantity	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a
	charge volume	kg	1500	1500	1650	1700
oil charge volume	L	100	100	100	100	100
Evaporator	Type	-	Flooded	Flooded	Flooded	Flooded
	Fouling factor	m ² · °C /kW	0.018	0.018	0.018	0.018
	Water flow volume	L/s	196.8	212.0	227.1	257.4
		GPM	3119.7	3360.6	3600.0	4080.3
	Pressure drop	kPa	73	73.3	73.5	72.8
		ft.WG	23.9	24.0	24.1	23.9
	Number of passs	-	2	2	2	2
	Connection pipe	mm	DN350	DN350	DN350	DN350
Condenser	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² · °C /kW	0.044	0.044	0.044	0.044
	Water flow volume	L/s	245.3	264.2	282.7	301.4
		GPM	3888.5	4188.1	4481.4	5075.8
	Pressure drop	kPa	64.5	64.3	64.2	63.4
		ft.WG	21.2	21.1	21.0	20.8
	Number of passs	-	2	2	2	2
	Connection pipe	mm	DN350	DN350	DN400	DN400
Sound pressure level (Max.)	dB(A)	85	85	85	85	85
Dimension (W × D × H)	Outline	mm	5250 × 2530 × 2880	5250 × 2530 × 2880	5400 × 2750 × 3000	5400 × 2750 × 3000
	Package	mm	5400 × 2700 × 3100	5400 × 2700 × 3100	5700 × 3150 × 3200	5700 × 3150 × 3200
Net/gross/operating weight	kg	16500/17300/18850	16850/17650/19200	17940/20000/20550	18290/20500/20950	18770/21000/21500

Model		CE710TLRLK-G	CE711TLQRLN-G	CE720TLPLM-G	CE721ULSLR-G	CE730ULQSLQ-G
Cooling capacity	kW	6329	6680	7032	7384	7735
	RT	1800	1900	2000	2100	2200
EER	W/W	6.17	6.15	6.15	6.21	6.22
IPLV	W/W	6.77	6.87	6.76	6.94	6.85
Power supply	V/Ph/Hz	10000/3/50	10000/3/50	10000/3/50	10000/3/50	10000/3/50
Power input	kW	1026	1086	1143	1189	1244
RLA	A	66.5	70.5	74.2	77.1	80.7
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Direct starting	Direct starting	Direct starting	Direct starting
	Quantity	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a
	charge volume	kg	2000	2050	2100	2200
oil charge volume	L	120	120	120	120	120
Evaporator	Type	-	Flooded	Flooded	Flooded	Flooded
	Fouling factor	m ² · °C /kW	0.018	0.018	0.018	0.018
	Water flow volume	L/s	272.5	287.7	302.8	333.1
		GPM	4319.7	4560.6	4800.0	5280.3
	Pressure drop	kPa	79.2	79	79.2	79.2
		ft.WG	26.0	25.9	26.0	26.0
	Number of passs	-	2	2	2	2
	Connection pipe	mm	DN400	DN400	DN400	DN400
Condenser	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² · °C /kW	0.044	0.044	0.044	0.044
	Water flow volume	L/s	340.5	359.6	378.5	415.7
		GPM	5397.6	5700.4	6000.0	6589.7
	Pressure drop	kPa	69.7	69.7	69.6	69.1
		ft.WG	22.9	22.9	22.8	22.7
	Number of passs	-	2	2	2	2
	Connection pipe	mm	DN450	DN450	DN450	DN450
Sound pressure level (Max.)	dB(A)	86	86	86	86	86
Dimension (W × D × H)	Outline	mm	5800 × 2750 × 3100	5800 × 2750 × 3100	5800 × 3000 × 3300	5800 × 3000 × 3300
	Package	mm	6200 × 3000 × 3350	6200 × 3000 × 3350	6100 × 3550 × 3550	6100 × 3550 × 3550
Net/gross/operating weight	kg	20170/22500/23250	20620/23000/23750	21170/23600/24400	22060/26400/26450	22796/27200/26300

Model		CE731ULPSLP-G	CE732ULTSLT-G	CE810WSRUSR-G	CE820WSQUSQ-G	CE820WSPUSP-G
Cooling capacity	kW	8087	8438	9142	9845	10550
	RT	2300	2400	2600	2800	3000
EER	W/W	6.24	6.21	6.39	6.35	6.38
IPLV	W/W	6.97	6.94	6.98	6.77	6.96
Power supply	V/Ph/Hz	10000/3/50	10000/3/50	10000/3/50	10000/3/50	10000/3/50
Power input	kW	1296	1359	1431	1550	1653
RLA	A	84.1	88.2	92.8	100.6	107.2
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Direct starting	Direct starting	Direct starting	Direct starting
	Quantity	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a
	charge volume	kg	2300	2400	2500	2800
oil charge volume	L	120	120	160	160	160
Evaporator	Type	-	Flooded	Flooded	Flooded	Flooded
	Fouling factor	m ² · °C /kW	0.018	0.018	0.018	0.018
	Water flow volume	L/s	348.2	363.4	423.9	454.2
		GPM	5519.7	5760.6	6241.0	7200.0
	Pressure drop	kPa	79	79.1	83.1	82.7
		ft.WG	25.9	25.9	27.3	27.1
	Number of passs	-	2	2	2	2
	Connection pipe	mm	DN400	DN400	DN500	DN500
Condenser	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² · °C /kW	0.044	0.044	0.044	0.044
	Water flow volume	L/s	434.5	453.6	489.5	565
		GPM	6887.7	7190.5	7759.6	8966.4
	Pressure drop	kPa	69.3	68.9	73.9	73.6
		ft.WG	22.7	22.6	24.2	23.9
	Number of passs	-	2	2	2	2
	Connection pipe	mm	DN450	DN450	DN500	DN500
Sound pressure level (Max.)	dB(A)	86	86	88	88	88
Dimension (W × D × H)	Outline	mm	5800 × 3000 × 3300	5800 × 3000 × 3300	6400 × 3370 × 3750	6400 × 3370 × 3750
	Package	mm	6100 × 3550 × 3550	6100 × 3550 × 3550	6700 × 4950 × 4000	6700 × 4950 × 4000
Net/gross/operating weight	kg	22870/27200/26450	23140/27550/26850	29200/30200/33350	30030/31000/34400	30950/32000/35450

Notes:

1. Above model selection is applicable to the condition in which leaving chilled water temperature is 6.67°C and entering cooling water temperature is 29.44°C.
2. Above water flow is indicated according to ARI 550/590-2018; IPLV is the calculated value obtained based on the working condition specified in ARI 550/590-2018.
3. Fouling coefficients of chilled water and cooling water are 0.018 m² · °C/kW and 0.044 m² · °C/kW respectively.
4. For special working condition, please contact Gree's local sales agent.
5. Standard unit's water side bearing pressure is 1.0MPa; 1.6MPa is an available option.
6. The unit's performance parameters may be changed without prior notice due to product improvement. For the specific parameters, please refer to product nameplate.

CVE-Standard Series Permanent Magnet Synchronous Inverter Centrifugal Chiller



It adopts high-efficiency DC inverter centrifugal compressor with internationally leading coefficient of performance. It provides high-efficiency and stable operation, and can be connected to all sorts of terminal units to realize cooling for large civil and industrial buildings.



» As it adopts high-efficiency motor direct-driven two-stage impellers with simpler structure and more reliable operation, the size and weight of compressor is only 40% of the conventional compressor with the same cooling capacity.

» It adopts high-efficiency permanent magnet synchronous inverter motor, the helical refrigerant ejecting cooling technology is adopted to ensure high-efficiency operation of the motor.

» The design of impeller and diffuser is optimized for achieving high-efficiency operation of compressor in various loads.

» It adopts the unique diffuser with wide blade spacing to achieve high-efficiency recycle of pressure.

» Two-stage compressor air makeup technology and economizer are adopted to improve efficiency by 5~6% compared with one-stage cooling circulation system. Rotation speed of compressor is reduced, operation reliability is improved and lifespan is prolonged. Meanwhile, surge margin and operation range are wide.

» User-friendly touch screen is adopted for convenient operation, precise control and stable output.



Operating range			
Chilled water		Cooling water	
Outlet water temp.(°C)	Temp. Difference between Inlet&Outlet(°C)	Inlet water temp.(°C)	Temp. Difference between Inlet&Outlet(°C)
5~15	2.5~8	12~35	3.5~8

Model		CVE211GF6EF6D	CVE211GF4EF3D	CVE221GF3EF2D	CVE311HGFGGFD	CVE321KGDHGED	CVE321KGCHGCD
Cooling capacity	kW	879	1055	1231	1406	1582	1758
	RT	250	300	350	400	450	500
EER	W/W	5.79	5.80	6.00	6.16	6.22	6.16
IPLV	W/W	9.48	9.99	10.35	10.49	10.09	10.48
Power supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Power input	kW	151.8	181.9	205.1	228.3	254.4	285.4
RLA	A	245.4	293.9	331.5	369.0	411.3	461.3
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Variable frequency start	Variable frequency start	Variable frequency start	Variable frequency start	Variable frequency start
	Quantity	-	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a	R134a
	charge volume	kg	250	275	300	350	400
oil charge volume	L	25	25	25	25	25	25
Evaporator	Type	-	Falling film	Falling film	Falling film	Falling film	Falling film
	Fouling factor	m ² · °C /kW	0.018	0.018	0.018	0.018	0.018
	Water flow volume	L/s	37.9	45.4	53.0	60.6	68.1
	GPM	600.0	720.0	840.0	960.0	1080.0	1200.0
	Pressure drop	kPa	75.6	72.9	68.0	71.2	70.3
	ft.WG	24.8	23.9	22.3	23.4	23.1	24.8
	Number of pass	-	2	2	2	2	2
Condenser	Connection pipe	mm	DN150	DN150	DN150	DN200	DN250
	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² · °C /kW	0.044	0.044	0.044	0.044	0.044
	Water flow volume	L/s	47.7	57.3	66.5	75.7	85.0
	GPM	756.6	907.7	1053.8	1199.8	1348.1	1499.9
	Pressure drop	kPa	63.9	62.6	61.8	66.4	65.5
	ft.WG	21.0	20.5	20.3	21.8	21.5	21.1
Sound pressure level (Max.)	dB(A)	80	80	80	82	82	82
	Connection pipe	mm	DN200	DN200	DN200	DN200	DN250
Dimension (W × D × H)	Outline	mm	3650 × 1490 × 1850	3650 × 1490 × 1850	3650 × 1490 × 1850	3900 × 1590 × 2020	3900 × 1765 × 2200
	Package	mm	3700 × 1800 × 1950	3700 × 1800 × 1950	3700 × 1800 × 1950	3980 × 1800 × 2100	3980 × 1900 × 2350
Net/gross/operating weight	kg	5050/5550/5500	5154/5650/5600	5382/5900/5900	5630/6500/6250	6681/7500/7350	6780/7600/7450

Model		CVE411MHFJHED	CVE411MHEJHDD	CVE421NHQJHCD	CVE421NHQJHBD	CVE521PHQKHED	CVE521PHQKHDD
Cooling capacity	kW	1934	2110	2285	2461	2637	2813
	RT	550	600	650	700	750	800
EER	W/W	6.31	6.28	6.35	6.30	6.48	6.48
IPLV	W/W	10.37	10.67	10.48	10.70	10.57	10.76
Power supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Power input	kW	306.5	335.9	359.9	390.7	406.9	434.1
RLA	A	495.4	543.0	581.7	631.5	657.7	701.6
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Variable frequency start	Variable frequency start	Variable frequency start	Variable frequency start	Variable frequency start
	Quantity	-	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a	R134a
	charge volume	kg	450	450	480	525	525
oil charge volume	L	25	25	25	25	25	25
Evaporator	Type	-	Falling film	Falling film	Falling film	Falling film	Falling film
	Fouling factor	m ² · °C /kW	0.018	0.018	0.018	0.018	0.018
	Water flow volume	L/s	83.3	90.8	98.4	106.0	113.6
	GPM	1320.0	1440.0	1560.0	1680.3	1800.8	1919.7
	Pressure drop	kPa	69.6	62.3	64.3	57.4	72.4
	ft.WG	22.8	20.4	21.1	18.8	23.7	23.8
	Number of pass	-	2	2	2	2	2
Condenser	Connection pipe	mm	DN250	DN250	DN250	DN250	DN300
	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² · °C /kW	0.044	0.044	0.044	0.044	0.044
	Water flow volume	L/s	103.7	113.2	122.5	132.1	140.9
	GPM	1643.9	1794.5	1941.9	2094.1	2233.6	2382.6
	Pressure drop	kPa	61.1	55.2	57.5	57.7	64.9
	ft.WG	20.0	18.1	18.9	18.9	21.3	21.2
Sound pressure level (Max.)	dB(A)	84	84	84	84	84	84
	Connection pipe	mm	DN250	DN250	DN250	DN250	DN300
Dimension (W × D × H)	Outline	mm	4250 × 1905 × 2250	4250 × 1905 × 2250	4250 × 1975 × 2220	4250 × 1975 × 2220	4250 × 2080 × 2450
	Package	mm	4400 × 2100 × 2600	4400 × 2100 × 2600	4350 × 210 × 2450	4350 × 210 × 2450	4500 × 2300 × 2600
Net/gross/operating weight	kg	7446/8200/8200	7565/8500/8350	8050/8700/8850	8227/8900/9050	8974/10300/9900	9059/9800/10000

Model		CVE521PHEKCD	CVE531QHDKHBD	CVE531QH8KHAD	CVE621QIEMID	CVE621QICMID	CVE631RiDMiBD
Cooling capacity	kW	2989	3164	3340	3516	3668	4219
	RT	850	900	950	1000	1100	1200
EER	W/W	6.42	6.58	6.54	6.60	6.52	6.62
IPLV	W/W	10.92	11.05	11.23	10.80	11.07	10.87
Power supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Power input	kW	465.5	480.9	510.7	532.7	593.2	637.3
RLA	A	752.4	777.3	825.5	861.1	958.8	1030.1
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Variable frequency start	Variable frequency start	Variable frequency start	Variable frequency start	Variable frequency start
	Quantity	-	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a	R134a
	charge volume	kg	525	650	650	850	900
oil charge volume	L	25	25	25	50	50	50
Evaporator	Type	-	Falling film	Falling film	Falling film	Falling film	Falling film
	Fouling factor	m ² · °C /kW	0.018	0.018	0.018	0.018	0.018
	Water flow volume	L/s	129.7	136.3	143.8	151.4	166.5
	GPM		2040.2	2160.6	2279.5	2400.0	2639.4
	Pressure drop	kPa	71.9	63.3	52.9	74.7	74.1
	ft.WG		23.6	20.8	17.4	24.5	24.3
	Number of passs	-	2	2	2	2	2
Condenser	Connection pipe	mm	DN300	DN300	DN300	DN300	DN350
	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² · °C /kW	0.044	0.044	0.044	0.044	0.044
	Water flow volume	L/s	159.9	168.8	178.3	187.5	206.5
	GPM		2534.7	2675.8	2826.4	2972.3	3273.4
	Pressure drop	kPa	64.3	63.1	65.7	69.1	69
	ft.WG		21.1	20.7	21.5	22.7	22.6
Sound pressure level (Max.)	dB(A)	84	84	84	85	85	85
	Outline	mm	4250 × 2080 × 2450	4250 × 2130 × 2450	4250 × 2130 × 2450	4540 × 2210 × 2610	4540 × 2210 × 2610
Dimension (W × D × H)	Package	mm	4500 × 2300 × 2600	4500 × 2350 × 2600	4500 × 2350 × 2600	4800 × 2400 × 2900	4800 × 2400 × 2900
	Net/gross/operating weight	kg	9150/10000/10150	9537/10500/10600	9687/11000/	10508/11600/11900	10708/11800/12150

Notes :

1. Above model selection is applicable to the condition in which leaving chilled water temperature is 6.67°C and entering cooling water temperature is 29.44°C.
2. Standard unit's water side bearing pressure is 1.0MPa; 1.6MPa is an available option.
3. Fouling coefficients of chilled water and cooling water are 0.018 m² · °C/kW and 0.044 m² · °C/kW respectively.
4. Above water flow is indicated according to ARI 550/590-2018; IPLV is the calculated value obtained based on the working condition specified in ARI 550/590-2015.
5. The unit's performance parameters may be changed without prior notice due to product improvement. For the specific parameters, please refer to product nameplate.

CCE Series Magnetic Bearing Inverter Centrifugal Chiller



Gree CCE series magnetic bearing inverter centrifugal chiller adopts the magnetic bearing compressor for aeronautic industry, which achieves oil-free operation of cooling system, avoids complicated lubricant system and greatly improves system's reliability. This series can be widely adopted in hotels, office buildings, etc.



- » It adopts magnetic bearing to achieve oil-free operation and reduce the heat exchange influence of lubricant.
- » The system adopts falling film type evaporator and built-in subcooler in condenser.
- » Impellers directly driven by the motor with gearless design, improving the reliability of the system.
- » With advanced and reliable microcomputer control system, powerful group control modules and building communication interface.
- » User-friendly touch screen is adopted for convenient operation, precise control and stable output.
- » Multiple protection functions.
- » Noise of this entire unit is 10 dB(A) lower than that of the traditional ones.

Operating range			
Chilled water		Cooling water	
Outlet water temp.(°C)	Temp. Difference between Inlet&Outlet(°C)	Inlet water temp.(°C)	Temp. Difference between Inlet&Outlet(°C)
5~15	2.5~8	12~35	3.5~8

Model		CCE210FE5EE5D	CCE220FE4EE4D	CCE220FE3EE3D	CCE230FE2EE2D	CCE231GE2FE2D	CCE240GE1FE1D
Cooling capacity	kW	352	457	527	633	703	791
	RT	100	130	150	180	200	225
EER	W/W	5.69	6.00	5.89	6.07	5.95	5.93
IPLV	W/W	9.65	9.63	9.99	9.62	9.86	9.83
Power supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Power input	kW	61.8	76.2	89.5	104.3	118.2	133.4
RLA	A	100	123	145	169	191	216
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Variable frequency start	Variable frequency start	Variable frequency start	Variable frequency start	Variable frequency start
	Quantity	1	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a	R134a
	charge volume	kg	170	200	220	220	200
Evaporator	Type	-	Falling film	Falling film	Falling film	Falling film	Falling film
	Fouling factor	m ² · °C /kW	0.018	0.018	0.018	0.018	0.018
	Water flow volume	L/s	15.1	19.7	22.7	27.3	34.1
		GPM	240.0	312.0	360.0	432.0	540.1
	Pressure drop	kPa	34.9	38.2	38.4	40.3	39.9
		ft.WG	11.4	12.5	12.6	13.2	12.6
	Number of passs	-	2	2	2	2	2
Condenser	Connection pipe	mm	DN150	DN150	DN150	DN150	DN150
	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² · °C /kW	0.044	0.044	0.044	0.044	0.044
	Water flow volume	L/s	19.1	24.7	28.6	34.1	42.8
		GPM	303.4	391.4	452.9	541.0	678.6
	Pressure drop	kPa	32.2	31.8	31.8	31.2	31.2
		ft.WG	10.6	10.4	10.4	10.2	10.2
Sound pressure level (Max.)	Number of passs	-	2	2	2	2	2
	Connection pipe	mm	DN150	DN150	DN150	DN150	DN150
		dB(A)	78	78	78	78	78
Dimension (W×D×H)	Outline	mm	3350×1140×1900	3350×1140×1900	3350×1140×1900	3350×1180×1900	3350×1180×1900
Net/gross/operating weight	kg		2695/3280/3000	3329/3900/3650	3500/4100/3850	3700/4350/4050	4505/5155/4900

Model		CCE310HG4GG4D	CCE310HG3GG3D	CCE311HG2GG2D	CCE320HG1GG1D	CCE410MH4HH2D
Cooling capacity	kW	879	967	1055	1231	1406
	RT	250	275	300	350	400
EER	W/W	6.23	6.12	6.27	6.24	6.48
IPLV	W/W	9.44	9.66	10.13	10.11	10.93
Power supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Power input	kW	141.1	158.0	168.2	197.2	217.0
RLA	A	228	255	272	319	351
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Variable frequency start	Variable frequency start	Variable frequency start	Variable frequency start
	Quantity	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a
	charge volume	kg	250	275	300	350
Evaporator	Type	-	Falling film	Falling film	Falling film	Falling film
	Fouling factor	m ² · °C /kW	0.018	0.018	0.018	0.018
	Water flow volume	L/s	37.9	41.6	45.4	60.6
		GPM	600.0	660.1	720.0	960.0
	Pressure drop	kPa	61.3	58.3	61.7	52.2
		ft.WG	20.1	19.1	20.2	17.1
	Number of passs	-	2	2	2	2
Condenser	Connection pipe	mm	DN200	DN200	DN200	DN250
	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² · °C /kW	0.044	0.044	0.044	0.044
	Water flow volume	L/s	47.2	52.1	56.6	75.2
		GPM	748.7	825.7	897.7	1191.6
	Pressure drop	kPa	53.5	52	53.5	49.7
		ft.WG	17.5	17.1	17.5	16.3
Sound pressure level (Max.)	Number of passs	-	2	2	2	2
	Connection pipe	mm	DN200	DN200	DN200	DN250
		dB(A)	79	79	79	80
Dimension (W×D×H)	Outline	mm	3770×1590×1950	3770×1590×1950	3770×1590×1950	4300×1850×2190
Net/gross/operating weight	kg		4833/5500/5250	4941/5616/5400	5008/5690/5450	6335/7100/6950

Model		CCE420MH3HH1D	CCE420MH1HH1D	CCE510MH2JH2D	CCE510MH1JH1D	CCE520PIEK1D
Cooling capacity	kW	1582	1758	1934	2110	2285
	RT	450	500	550	600	650
EER	W/W	6.37	6.26	6.44	6.36	6.42
IPLV	W/W	10.48	10.74	10.51	10.75	10.57
Power supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Power input	kW	248.4	280.8	300.3	331.7	356.0
RLA	A	402	454	485	536	575
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Variable frequency start	Variable frequency start	Variable frequency start	Variable frequency start
	Quantity	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a
	charge volume	kg	400	400	450	480
Evaporator	Type	-	Falling film	Falling film	Falling film	Falling film
	Fouling factor	m ² · °C /kW	0.018	0.018	0.018	0.018
	Water flow volume	L/s	68.1	75.7	83.3	98.4
		GPM	1080.0	1200.0	1320.0	1560.0
	Pressure drop	kPa	52.8	48.1	52.7	66.3
		ft.WG	17.3	15.8	17.3	14.4
	Number of passs	-	2	2	2	2
Condenser	Connection pipe	mm	DN250	DN250	DN250	DN250
	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² · °C /kW	0.044	0.044	0.044	0.044
	Water flow volume	L/s	84.8	94.4	103.4	113.0
		GPM	1343.6	1496.4	1639.1	1938.7
	Pressure drop	kPa	47.3	57	49.8	45
		ft.WG	15.5	18.7	16.3	14.8
Sound pressure level (Max.)	Number of passs	-	2	2	2	2
	Connection pipe	mm	DN250	DN250	DN250	DN250
		dB(A)	80	80	82	82
Dimension (W×D×H)	Outline	mm	4300×1850×2190	4300×1850×2190	4200×1910×2220	4200×1910×2220
Net/gross/operating weight	kg		6410/7210/7100	6400/7200/7100	7604/8460/8350	7720/8570/8450

Model		CCE520PIDK1DD	CCE610PICK1CD	CCE610PIBK1BD	CCE620QICM1CD	CCE620QIBM1BD
Cooling capacity	kW	2461	2637	2813	2989	3164
	RT	700	750	800	850	900
EER	W/W	6.33	6.48	6.46	6.61	6.54
IPLV	W/W	10.76	10.55	10.73	10.91	11.05
Power supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Power input	kW	388.8	406.9	435.4	452.1	483.9
RLA	A	628	658	704	731	782
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100
Compressor	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Starting mode	-	Variable frequency start	Variable frequency start	Variable frequency start	Variable frequency start
	Quantity	1	1	1	1	1
Refrigerant	Type	-	R134a	R134a	R134a	R134a
	charge volume	kg	480	525	525	700
Evaporator	Type	-	Falling film	Falling film	Falling film	Falling film
	Fouling factor	m ² · °C /kW	0.018	0.018	0.018	0.018
	Water flow volume	L/s	106.0	113.6	121.1	136.3
		GPM	1680.3	1800.8	1919.7	2160.6
	Pressure drop	kPa	43.7	43.7	44.8	44.4
		ft.WG	14.3	14.3	14.4	14.6
	Number of passs	-	2	2	2	2
Condenser	Connection pipe	mm	DN250	DN250	DN250	DN300
	Type	-	Shell and Tube	Shell and Tube	Shell and Tube	Shell and Tube
	Fouling factor	m ² · °C /kW	0.044	0.044	0.044	0.044
	Water flow volume	L/s	132.0	140.9	150.4	168.9
		GPM	2092.5	2233.6	2384.1	2677.4
	Pressure drop	kPa	45	44.4	49.9	48.6
		ft.WG	14.8	14.6	16.4	15.9
Sound pressure level (Max.)	Number of passs	-	2	2	2	2
	Connection pipe	mm	DN250	DN250	DN250	DN300
		dB(A)	82	83	83	83
Dimension (W×D×H)	Outline	mm	4550×2010×2400	4550×2010×2400	4550×2010×2400	4550×2210×2450
Net/gross/operating weight	kg		8863/9750/9900	9164/10100/10050	9284/10200/10200	10250/11350/11400

Notes:

1. Above model selection is applicable to the condition in which leaving chilled water temperature is 6.67°C and entering cooling water temperature is 29.44°C.
2. Standard unit's water side bearing pressure is 1.0MPa; 1.6MPa is an available option.
3. Fouling coefficients of chilled water and cooling water are 0.018 m² · °C/kW and 0.044 m² · °C/kW respectively.
4. Above water flow is indicated according to ARI 550/590-2018; IPLV is the calculated value obtained based on the working condition specified in ARI 550/590-2018.
5. The unit's performance parameters may be changed without prior notice due to product improvement. For the specific parameters, please refer to product nameplate.



TERMINAL

Fan Coil Unit

- Concealed Ceiling Type
- Cassette Type
- Floor Ceiling Type
- Vertical Exposed Type
- Wall Mounted Type

ERV

Air Curtain

Control System Lineup

Concealed Ceiling Type

It is a kind of fan coil unit that is connected to the chillers to realize cooling/heating for civil or residential use.



- » Optimized air duct design to greatly improve the fan efficiency and lower the operation noise.
- » Flexible air inlet/outlet directions to meet different installation requirements.
- » Washable filter is optional when equipped with air return box.

Item	Operation Ambient Temperature Range(°C)	Water Supply Temperature Range(°C)
Cooling	14-40	≥5
Heating	10-35	≤80

2 Rows, 12Pa*

Model			FP-34WA/GHL-K	FP-51WA/GHL-K	FP-68WA/GHL-K	FP-85WA/GHL-K	FP-102WA/GHL-K	FP-136WA/GHL-K	FP-170WA/GHL-K	FP-204WA/GHL-K
Air flow volume(H/M/L)×³		m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050
ESP		CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618
		Pa	12	12	12	12	12	12	12	12
Capacity	Cooling/Heating	kW	1.85/3.05	2.80/4.62	3.60/5.94	4.50/7.40	5.50/9.00	7.35/12.10	9.20/15.10	11.00/18.00
Power system	Power supply	V/Ph/ Hz	220~240V~ 50Hz	220~240V~ 50Hz	220~240V~ 50Hz	220~240V~ 50Hz	220~240V~ 50Hz	220~240V~ 50Hz	220~240V~ 50Hz	220~240V~ 50Hz
	Input	kW	0.034	0.052	0.062	0.076	0.096	0.134	0.152	0.189
Water system	Cooling water flow volume	L/s	0.09	0.14	0.17	0.21	0.27	0.35	0.5	0.55
		GPM	1.43	2.22	2.70	3.33	4.29	5.56	7.94	8.73
	Heating water flow volume	L/s	0.10	0.16	0.20	0.22	0.29	0.38	0.43	0.57
		GPM	1.66	2.57	3.17	3.55	4.54	6.05	6.80	8.99
	Cooling pressure drop	kPa	15	30	23	25	35	40	36	40
		FLWG	4.92	9.64	7.54	8.2	11.46	13.12	11.81	13.12
	Heating pressure drop	kPa	18	43	40	26	42	48	45	36
		FLWG	5.90	14.10	13.12	8.53	13.78	15.74	14.76	11.81
Sound pressure level(*)		dB(A)	37	39	41	43	45	46	48	50
Dimension (W×D×H)	Outline	mm	680×520×235	800×520×235	900×520×235	1000×520×235	1080×520×235	1380×520×235	1520×520×235	1620×520×235
	Package	mm	773×603×325	893×603×325	993×603×325	1093×603×325	1173×603×325	1473×603×325	1608×603×325	1713×603×325
Net weight/Gross weight		kg	14.5/19.2	17.0/21.9	18.9/24.0	20.8/26.2	21.9/27.5	31.5/37.5	34.1/41.5	38.0/44.5
Connection pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
Loading quantity	40°GP/40°HQ	Set	324/432	273/354	249/332	225/300	210/280	168/224	150/200	138/184
Optional	Wired remote controller	-				WK-010PV/WK-010PW/WK-011PM/WK-010PM				

2 Rows, 30Pa*

Model			FP-34WAH/GHL-K	FP-S1WAH/GHL-K	FP-68WAH/GHL-K	FP-85WAH/GHL-K	FP-102WAH/GHL-K	FP-136WAH/GHL-K	FP-170WAH/GHL-K	FP-204WAH/GHL-K
Air flow volume(H/M/L)×3		m³/h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050
		CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/750/500	1201/927/618
ESP		Pa	30	30	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	1.85/3.05	2.80/4.62	3.60/5.94	4.50/7.40	5.50/9.00	7.35/12.10	9.20/15.10	11.00/18.00
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.034	0.053	0.064	0.087	0.108	0.148	0.174	0.212
Water system	Cooling water flow volume	L/s	0.09	0.14	0.17	0.21	0.27	0.35	0.5	0.55
		GPM	1.43	2.22	2.70	3.33	4.29	5.56	7.94	8.73
	Heating water flow volume	L/s	0.07	0.11	0.13	0.16	0.20	0.26	0.38	0.42
		GPM	1.08	1.68	2.04	2.52	3.24	4.20	6.00	6.60
	Cooling pressure drop	kPa	15	30	23	25	35	40	36	40
		FLWG	4.92	9.84	7.54	8.2	11.48	13.12	11.81	13.12
	Heating pressure drop	kPa	25	42	40	34	46	46	45	36
		FLWG	8.20	13.78	13.12	11.15	15.09	16.74	14.76	11.81
Sound pressure level ^①		dB(A)	40	42	44	46	47	48	50	52
Dimension (W×D×H)	Outline	mm	680×520×235	800×520×235	900×520×235	1000×520×235	1080×520×235	1380×520×235	1520×520×235	1620×520×235
	Package	mm	773×603×325	893×603×325	993×603×325	1093×603×325	1173×603×325	1473×603×325	1608×603×325	1713×603×325
Net weight/Gross weight		kg	14.5/19.2	17.0/21.9	18.9/24.0	20.8/26.2	21.9/27.5	31.5/37.5	34.1/41.6	38.0/44.5
Connection pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
Loading quantity	40°GP/40°HQ	Set	324/432	273/364	249/332	225/300	210/280	168/224	150/200	138/184
Optional	Wired remote controller	-				WK-010PW/WK-010PW/WK-011PM/WK-010PM				

3 Rows, 12Pa*

Model			FP-34WAS/GHL-K	FP-51WAS/GHL-K	FP-68WAS/GHL-K	FP-85WAS/GHL-K	FP-102WAS/GHL-K	FP-136WAS/GHL-K	FP-170WAS/GHL-K	FP-204WAS/GHL-K
Air flow volume [H/(M/L)] ^{*)}		m ³ /h	340/248/173	510/394/263	680/495/330	850/638/425	1020/788/525	1360/1095/730	1700/1275/850	2040/1575/1050
		CFM	200/146/102	300/232/155	400/291/194	500/375/250	600/464/309	800/644/430	1000/760/500	1201/927/618
ESP		Pa	12	12	12	12	12	12	12	12
Capacity	Cooling/Heating	kW	2.25/3.60	3.30/5.30	4.30/6.93	5.00/8.05	6.30/10.10	8.20/13.20	9.80/15.80	11.00/18.00
Power system	Power supply	V/Ph-Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz
	Input	kW	0.035	0.052	0.062	0.075	0.096	0.134	0.148	0.189
Water system	Cooling water flow volume	L/s	0.09	0.14	0.17	0.21	0.27	0.4	0.5	0.55
		GPM	1.43	2.22	2.70	3.33	4.29	6.35	7.94	8.73
	Heating water flow volume	L/s	0.07	0.11	0.13	0.16	0.20	0.30	0.38	0.42
		GPM	1.08	1.68	2.04	2.52	3.24	4.80	6.00	6.60
	Cooling pressure drop	kPa	20	21	22	30	35	40	33	40
		FLWG	6.56	6.89	7.22	9.84	11.48	13.12	10.82	13.12
	Heating pressure drop	kPa	22	31	31	42	47	47	38	41
		FLWG	7.22	10.17	10.17	13.78	15.42	15.42	12.46	13.45
Sound pressure level ^{*)}		dB(A)	37	39	41	43	45	46	46	50
Dimension (W×D×H)	Outline	mm	680×520×235	800×520×235	900×520×235	1000×520×235	1080×520×235	1380×520×235	1520×520×235	1620×520×235
	Package	mm	773×603×325	893×603×325	993×603×325	1093×603×325	1173×603×325	1473×603×325	1608×603×325	1713×603×325
Net weight/Gross weight		kg	14.9/19.6	17.4/22.3	19.3/24.4	21.3/26.7	22.7/28.3	30.9/36.9	34.5/42.0	38.0/44.5
Connection pipe	Water inlet & outlet(inner thread)	inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outlet thread)	inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
Loading quantity	40°GP/40°HQ	Set	324/432	273/364	249/332	225/300	210/280	168/224	150/200	138/184
Optional	Wired remote controller	-				WK-010PW/WK-010PW/WK-011PM/WK-010PM				

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Model(DC motor)			FPD-51WALF/G(T)-K	FPD-54WALF/G(T)-K	FPD-59WALF/G(T)-K	FPD-102WALF/G(T)-K	FPD-136WALF/G(T)-K	FPD-170WALF/G(T)-K	FPD-204WALF/G(T)-K	FPD-238WALF/G(T)-K	
Air flow volume(H/M, L) ^{*2}			m³/h	530/470/370	690/595/475	890/825/625	1020/920/520	1400/1050/800	1750/1180/860	2040/1420/1115	2380/1990/1350
			CFM	312/276/218	406/350/279	524/485/368	600/541/306	824/618/471	1029/694/506	1200/835/656	1400/1171/794
ESP			Pa	50	50	50	50	50	50	50	50
Capacity	Cooling/Heating	kW	2.5/4.8	3.45/6.2	4.7/8.6	5.3/9.7	7.55/13.5	9.4/17.1	10.6/19.4	12/22.0	
Power system	Power supply	V/Ph/Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz
	Input	kW	0.063	0.076	0.1	0.125	0.183	0.225	0.253	0.3	
Water system	Cooling water flow volume	L/s	0.07	0.10	0.13	0.15	0.21	0.27	0.30	0.34	
		GPM	1.11	1.59	2.06	2.38	3.33	4.29	4.76	5.40	
	Heating water flow volume	L/s	0.07	0.10	0.13	0.15	0.21	0.27	0.30	0.34	
		GPM	1.11	1.59	2.06	2.38	3.33	4.29	4.76	5.40	
	Cooling pressure drop	kPa	10	20	36	18	41	29	41	20	
		FtWG	3.28	6.56	11.808	5.904	13.448	9.512	13.448	6.56	
	Heating pressure drop	kPa	10	20	36	18	41	29	41	20	
		FtWG	3.28	6.56	11.808	5.904	13.448	9.512	13.448	6.56	
Sound pressure level ^{*3}			dB(A)	41.5	43.5	45	47.5	47	48.5	52	51
Dimension (W × D × H)											
Outline			mm	800 × 460 × 235	900 × 490 × 235	1000 × 490 × 235	1190 × 490 × 235	1520 × 490 × 235	1770 × 490 × 235	1950 × 560 × 285	
Package			mm	905 × 255 × 555	1005 × 255 × 555	1105 × 255 × 555	1295 × 255 × 555	1485 × 255 × 555	1725 × 255 × 555	1875 × 255 × 555	1970 × 350 × 640
Net weight/Gross weight			kg	17/20	19/22	20.5/24	23/27	32/38	35.5/40	38/43	46/52.5
Connection pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
Loading quantity			40°GP/40°HQ	Set	436/501	390/455	344/386	288/352	229/267	228/266	205/247
Optional			Wired remote control	-			WK-010PW/WK-010PW/WK-011PM/WK-010PM				

Fan Coil Unit

Cassette Type



- 》 Optimized air duct design to greatly improve the fan efficiency and lower the operation noise.
- 》 Four directions airflow that makes an even temperature and humidity distribution.
- 》 Evaporator moisture auto cleaning after power off to avoid mildew.
- 》 Forced high speed fan operation under emergency condition.

Model(EC motor)			FPE-51WALF/G(T)-K	FPE-68WALF/G(T)-K	FPE-89WALF/G(T)-K	FPE-102WALF/G(T)-K	FPE-136WALF/G(T)-K	FPE-170WALF/G(T)-K	FPE-204WALF/G(T)-K	FPE-238WALF/G(T)-K	
Air flow volume(H/M/L)*1		m³/h CFM	540/470/320 318/276/188	680/520/380 400/306/224	850/750/460 500/441/271	1020/820/520 600/482/306	1360/1100/800 800/647/471	1700/1400/900 1000/824/529	2040/1700/1100 1200/1000/647	2380/2050/1150 1400/1206/676	
ESP		Pa	50	50	50	50	50	50	50	50	
Capacity	Cooling/Heating	kW	3.35/5.54	4.3/7.05	5.4/8.9	6.35/10.6	9.0/14.5	10.1/16.3	12.5/20.4	15.6/23.5	
Power system	Power supply	V/Ph/Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	
	Input	kW	0.044	0.054	0.065	0.08	0.107	0.133	0.173	0.3	
Water system	Cooling water flow volume	L/s GPM	0.14 2.22	0.18 2.86	0.23 3.65	0.27 4.29	0.38 6.03	0.433 6.87	0.53 8.41	0.67 10.63	
	Heating water flow volume	L/s GPM	0.14 2.22	0.18 2.86	0.23 3.65	0.27 4.29	0.38 6.03	0.433 6.87	0.53 8.41	0.67 10.63	
	Cooling pressure drop	kPa Fl.WG	12 3.94	20 6.56	33 10.82	23 7.54	30 9.84	20 6.56	41 13.45	50 16.40	
	Heating pressure drop	kPa Fl.WG	12 3.94	20 6.56	33 10.82	23 7.54	30 9.84	20 6.56	41 13.45	50 16.40	
	Sound pressure level*1	dB(A)	43.5	44	44.5	46.5	45	48	50	50.5	
	Dimension (W × D × H)	Outline	mm	800 × 460 × 235	900 × 490 × 235	1000 × 490 × 235	1190 × 490 × 235	1520 × 490 × 235	1620 × 490 × 235	1770 × 490 × 235	1950 × 560 × 285
		Package	mm	905 × 255 × 555	1005 × 255 × 555	1105 × 255 × 555	1295 × 255 × 555	1625 × 255 × 555	1725 × 255 × 555	1875 × 255 × 555	1970 × 390 × 640
	Net weight/Gross weight		kg	18/22	20.5/24	22/27	24.5/28	35/42	38.5/43	41/46	46.5/54.5
Connection pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	
	Condensed water drain(outer thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	
Loading quantity		40'GP/40'HQ	Set	436/501	390/455	344/386	288/352	229/257	228/256	205/247	132/153
Optional		Wired remote controller	-	WK-010PV/WK-010PW/WK-011PM/WK-010PM							

Model(EC motor, district cooling)			FPED-51WALF/G(T)-K	FPED-68WALF/G(T)-K	FPED-89WALF/G(T)-K	FPED-102WALF/G(T)-K	FPED-136WALF/G(T)-K	FPED-170WALF/G(T)-K	FPED-204WALF/G(T)-K	FPED-238WALF/G(T)-K		
Air flow volume(H/M/L)*2			m³/h	540/470/320	680/520/380	850/750/460	1020/820/520	1360/1100/800	1700/1400/900	2040/1700/1100	2380/2050/1150	
			CFM	318/276/188	400/306/224	500/441/271	600/482/306	800/647/471	1000/824/529	1200/1000/647	1400/1206/676	
ESP			Pa	50	50	50	50	50	50	50		
Capacity	Cooling/Heating	kW	2.8/5.12	3.4/6.3	4.5/8.3	5.3/9.9	7.2/13.1	8/14.72	10.6/19.6	11.5/21.0		
Power system	Power supply	V/Ph/Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz		
	Input	kW	0.044	0.054	0.065	0.08	0.107	0.133	0.173	0.3		
Water system	Cooling water flow volume	L/s	0.08	0.10	0.13	0.15	0.21	0.23	0.30	0.33		
		GPM	1.27	1.54	2.03	2.40	3.25	3.62	4.79	5.20		
	Heating water flow volume	L/s	0.08	0.10	0.13	0.15	0.21	0.23	0.30	0.33		
		GPM	1.27	1.54	2.03	2.40	3.25	3.62	4.79	5.20		
	Cooling pressure drop	kPa	12	12	33	20	40	20	36	21		
		FLWG	3.94	3.94	10.82	6.56	13.12	6.56	11.81	6.89		
Heating pressure drop	kPa	12	12	33	20	40	20	36	21			
	FLWG	3.94	3.94	10.82	6.56	13.12	6.56	11.81	6.89			
Sound pressure level*3			dB(A)	43.5	44	44.5	46.5	45	48	50	50.5	
Dimension (W×D×H)	Outline	mm	800×460×235	900×490×235	1000×490×235	1190×490×235	1520×490×235	1620×490×235	1770×490×235	1950×560×285		
	Package	mm	905×255×555	1005×255×555	1105×255×555	1295×255×555	1625×255×555	1725×255×555	1875×255×555	1970×350×640		
Net weight/Gross weight			kg	18/22	20.5/24	22/27	24.5/28	35/42	38.5/43	41/46	46.5/54.5	
Connection pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	
	Condensed water drain(outer thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	
Loading quantity			40'GP/40'HQ	Set	436/501	390/455	344/386	288/352	229/257	228/256	205/247	132/153
Optional	Wired remote controller	-	WK-010PV/WK-010PW/WK-011PM/WK-010PM									

*Notes:

1. The data are tested under these testing conditions as below:(Not applicable for Eurovent certificated products, parameters of Eurovent certificated concealed ceiling FCU will be available upon request)

Item	Nominal test condition (temperature)			
	Inlet Air		Water	
	DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)
Cooling	27	19.5	7	12
Heating	21	15	60	Based on the water flow volume at the rated cooling capacity

2. The airflow volume is tested under the ESP in the table.

3. Sound pressure level is tested according to GB/T 19232-2019.

4. Package dimension is the external dimension of carton box according to actual stacking direction(may differ from that of products installation).

5. Products are with various certifications according to different market requirements, please contact the sale representative for detail.

Item	Operation Ambient Temperature Range(°C)	Water Supply Temperature Range(°C)
Cooling	16-40	≥5
Heating	10-35	≤65



Model			FP-68XDT/B-K(E)	FP-85XDT/B-K(E)	FP-125XDT/B-K(E)	FP-180XDT/B-K(E)
Air flow volume(H/M/L)		m³/h	680/618/571	850/764/697	1250/1108/1014	1700/1525/1421
		CFM	400/364/336	500/450/410	736/652/597	1000/897/836
Capacity	Cooling/Heating	kW	3.5/5.8	4.5/6.8	6/9.2	8/12
Power system	Power supply	V/Ph/Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz	220-240V-50Hz
	Input	kW	0.082	0.09	0.135	0.191
Water system	Cooling water flow volume	L/s	0.21	0.24	0.29	0.44
		GPM	3.3	3.8	4.6	7
	Cooling water flow volume	L/s	0.17	0.19	0.27	0.36
		GPM	2.7	3	4.3	5.7
	Cooling pressure drop	kPa	44	53	41	48
		Fl.WG	14.4	17.4	13.4	15.7
	Heating pressure drop	kPa	76	83	84	97
		Fl.WG	24.9	27.2	27.5	31.8
Sound pressure level ^{*2}		dB(A)	39	40	43	50
Connection pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	mm	31	31	31	31
Body	Dimension(W × D × H)	mm	840 × 840 × 190	840 × 840 × 190	840 × 840 × 240	840 × 840 × 320
	Package	mm	963 × 963 × 272	963 × 963 × 272	963 × 963 × 325	963 × 963 × 409
	Net weight/Gross weight	kg	25/33	25/33	27/34	32/41
Panel	Dimension(W × D × H)	mm	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85
	Package	mm	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133
	Net weight/Gross weight	kg	7/11	7/11	7/11	7/11
Loading quantity	40' GP/40'HQ	Set	131/147	131/147	121/134	98/112
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wireless remote controller	-	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)



Model			FP-51XD/A-K	FP-68XD/A-K	FP-85XD/ B-T(E)	FP-102XD/ B-T(E)	FP-125XD/ B-T(E)	FP-140XD/ B-T(E)	FP-160XD/ B-T(E)	FP-180XD/ B-T(E)	FP-200XD/ D-K(E)	
Air flow volume(H/M/L)			m³/h	510/400/300	660/560/460	800/665/590	940/770/670	1090/860/760	1400/1160/1000	1500/1200/1000	1640/1360/1200	1700/1430/1150
			CFM	300/235/176	388/330/270	471/385/347	470/453/394	641/506/447	823/682/588	882/706/588	964/800/706	1000/841/676
Capacity	Cooling/Heating	kW	2.75/3.4	3.4/3.8	4.5/5.4	5/6.1	6/6.9	7.4/8.4	8.4/9	9.5/10.5	11.1/11.7	
Power system	Power supply	V/Ph/ Hz	220-240V-50Hz									
	Input	kW	0.073	0.078	0.081	0.110	0.100	0.143	0.152	0.160	0.140	
Water system	Cooling water flow volume	L/s	0.13	0.18	0.22	0.24	0.29	0.35	0.4	0.45	0.53	
		GPM	2.1	2.8	3.5	3.8	4.6	5.5	6.3	7.1	8.4	
	Heating water flow volume	L/s	0.16	0.2	0.27	0.29	0.33	0.4	0.43	0.49	0.56	
		GPM	2.5	3.1	4.3	4.6	5.2	6.3	6.8	7.8	8.9	
	Cooling pressure drop	kPa	30	38	27	34	21	30	30	33	21	
		FLWG	9.8	12.5	8.9	11.2	6.9	9.8	9.8	10.8	6.9	
	Heating pressure drop	kPa	30	38	37	46	32	38	36	41	25	
	FLWG	9.8	12.5	12.1	15.1	10.5	12.4	11.8	13.5	8.2		
Sound pressure level ^{4,5}			dB(A)	46	46	39	49	43	50	51	50	55
Connection pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	mm	31	31	31	31	31	31	31	31	31	31
Body	Dimension Outline	mm	592 × 592 × 240	592 × 592 × 240	840 × 840 × 190	840 × 840 × 190	840 × 840 × 240	840 × 840 × 240	840 × 840 × 240	840 × 840 × 320	840 × 840 × 320	840 × 840 × 320
	(W × D × H) Package	mm	775 × 730 × 265	775 × 730 × 265	963 × 963 × 272	963 × 963 × 272	963 × 963 × 325	963 × 963 × 325	963 × 963 × 325	963 × 963 × 409	963 × 963 × 409	963 × 963 × 409
	Net weight/Gross weight	kg	20/24	20/24	25/33	25/33	27/34	27/35	27/35	32/41	32/41	33/42
Panel	Dimension Outline	mm	670 × 670 × 85	670 × 670 × 85	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85
	(W × D × H) Package	mm	760 × 760 × 90	760 × 760 × 90	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133
	Net weight/Gross weight	kg	3.5/5	3.5/5	7/11	7/11	7/11	7/11	7/11	7/11	7/11	7/11
Loading quantity	40'GP/40'HQ	Set	258/291	258/291	131/147	131/147	121/134	121/134	121/134	117/133	117/133	117/133
Standard	Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)	YB1FA(MOTO)
Optional	Wireless remote controller	-	XE70-17/ E(M)	XE70-17/ E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)	XE70-17/E(M)

Model			FP-85XD/B-T	FP-102XD/B-T	FP-125XD/B-T	FP-140XD/B-T	FP-160XD/B-T	FP-180XD/B-T	FP-200XD/B-T	FP-238XD/C-K
Air flow volume(H/M/L)		m³/h	800/650/550	1020/950/900	1180/1000/900	1400/1250/1150	1550/1400/1300	1800/1450/1350	2000/1700/1450	2200/1900/1300
		CFM	471/382/324	600/599/529	694/588/529	824/735/676	912/824/765	1059/853/794	1176/1000/853	1299/1118/765
Capacity	Cooling/Heating	kW	4.5/5.6	5/6.5	6/7.8	8/9	8.7/10	9.5/11	13/14.6	12/13
Power system	Power supply	V/Ph/Hz	220-240V-50Hz							
	Input	kW	0.075	0.11	0.082	0.143	0.152	0.16	0.21	0.17
Water system	Cooling water flow volume	L/s	0.21	0.24	0.29	0.38	0.42	0.45	0.62	0.57
		GPM	3.3	3.8	4.6	6	6.7	7.1	9.8	9
	Heating water flow volume	L/s	0.13	0.17	0.18	0.21	0.23	0.27	0.25	0.62
		GPM	2.1	2.7	2.9	3.3	3.7	4.3	4	9.8
	Cooling pressure drop	kPa	24	36	24	30	30	34	34	50
		FLWG	7.872	11.808	7.872	9.84	9.84	11.152	11.152	16.4
	Heating pressure drop	kPa	8	13	9	10	11	12	30	60
	FLWG	2.6	4.3	3	3.3	3.6	3.9	9.8	19.7	
Sound pressure level ³		dB(A)	39	49	43	50	51	50	55	53
Connection pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	mm	31	31	31	31	31	31	31	31
Body	Dimension Outline	mm	840 × 840 × 190	840 × 840 × 190	840 × 840 × 240	840 × 840 × 240	840 × 840 × 240	840 × 840 × 320	840 × 840 × 320	910 × 910 × 293
	(W × D × H) Package	mm	963 × 963 × 272	963 × 963 × 272	963 × 963 × 325	963 × 963 × 325	963 × 963 × 325	963 × 963 × 409	963 × 963 × 409	1020 × 990 × 360
	Net weight/Gross weight	kg	25/33	25/33	27/34	27/35	27/35	32/41	33/42	39.5/49
Panel	Dimension Outline	mm	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85	950 × 950 × 85	1040 × 1040 × 85
	(W × D × H) Package	mm	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133	1033 × 1038 × 133	1134 × 1134 × 125
	Net weight/ Gross weight	kg	7/11	7/11	7/11	7/11	7/11	7/11	7/11	8/12
Loading quantity	40'GP/40'HQ	Set	131/147	131/147	121/134	121/134	121/134	117/133	117/133	40/80
Standard	Wireless remote controller	-	YB1FA(MOTO)							
Optional	Wireless remote controller	-	XE70-17/E(M)							

Notes:

1. The data are tested under these testing conditions as below:

Item		Nominal test condition (temperature)			
		Inlet Air		Water	
		DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)
2-PiPes	Cooling	27	19	7	12
	Heating	20	≤15	45	40
4-PiPes	Cooling	27	19	7	12
	Heating	20	≤15	65	55

2. Sound pressure level is tested according to GB/T 19232-2019.

3. Not all the certification of products for different markets are showed above, please contact us if related information is needed.

Fan Coil Unit

Floor Ceiling Type



》 Optimized air duct design to greatly improve the fan efficiency and lower the operation noise.

》 The fan will be operated only if the chilled water inlet temperature is lower than the setting value to avoid warm air under cooling condition.

Item	Operation Ambient Temperature Range(°C)	Water Supply Temperature Range(°C)
Cooling	16-40	≥5
Heating	10-35	≤65

Model		FP-34ZD/B-K	FP-51ZD/B-K	FP-68ZD/B-K	FP-85ZD/B-K	FP-102ZD/B-K	FP-119ZD/B-K	FP-136ZD/B-K	FP-170ZD/B-K	FP-204ZD/B-K	
Air flow volume(H/M/L)		m³/h	420/350/250	510/400/300	680/550/400	850/650/500	1020/800/600	1200/950/700	1360/1100/800	1800/1400/1000	2040/1700/1200
		CFM	247/205/147	300/235/176	400/323/235	500/382/294	600/470/353	706/559/412	800/647/471	1059/824/589	1201/1000/706
Capacity	Cooling/Heating	kW	2/2.5	2.6/3.2	3.5/4	4.2/4.6	5.2/6	5.9/6.6	6.6/7.5	9/11	10/12.5
Power system	Power supply	V/Ph/Hz	220-240V~50Hz								
	Input	kW	0.04	0.045	0.06	0.07	0.095	0.11	0.14	0.145	0.195
Water system	Cooling water flow volume	L/s	0.1	0.12	0.17	0.2	0.25	0.28	0.31	0.43	0.48
		GPM	1.5	2	2.6	3.2	4	4.5	5	6.8	7.56
	Heating water flow volume	L/s	0.12	0.15	0.19	0.22	0.29	0.31	0.36	0.52	0.6
		GPM	1.9	2.4	3	3.5	4.5	5	5.67	8.3	9.45
	Cooling pressure drop	kPa	16	16	25	20	30	30	30	30	30
		Ft.WG	5.9	5.9	8.2	6.6	9.8	9.8	9.8	9.8	9.8
Heating pressure drop	kPa	20	20	30	30	40	40	40	40	40	
	Ft.WG	6.6	6.6	9.8	9.8	13.1	13.1	13.1	13.1	13.1	
Sound pressure level ³		dB(A)	34	34	41	41	43	45	43	47	55
Connction pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4	Rc3/4
	Condensed water drain(outer thread)	mm	17	17	17	17	17	17	17	17	17
Dimension (W×D×H)	Outline	mm	870×235×665	870×235×665	870×235×665	1200×235×665	1200×235×665	1200×235×665	1570×235×665	1570×235×665	1570×235×665
	Package	mm	970×285×767	970×285×767	970×285×767	1300×285×767	1300×285×767	1300×285×767	1666×285×767	1666×285×767	1666×285×767
Net weight/Gross weight		kg	24/29	24/29	24/29	32/38	32/38	32/38	41/43	43/46	43/46
Loading quantity	40'GP/40'HQ	Set	288/324	288/324	288/324	189/216	189/216	189/216	147/168	147/168	147/168
Standard	Wireless remote controller	-	YAP1F								
Optional	Wireless remote controller	-	XE7A-17/E(M)								

Notes:

1. The data are tested under these testing conditions as below:

Item		Nominal test condition (temperature)			
		Inlet Air		Water	
		DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)
Cooling		27	19	7	12
		20	≤15	45	40

2. Sound pressure level is tested according to GB/T 19232-2019.

3. The models in the table is under development, and relevant parameters may change without prior notice.

4. Not all the certification of products for different markets are showed above, please contact us if related information is needed.

Fan Coil Unit

Vertical Exposed Type



- » Low noise thanks to plastic impeller.
- » Easy installation and convenient maintenance.
- » Add noise-absorbing heat insulation material in the duct to improve the vortex and lower the noise.
- » With compact structure, it is convenient to install and space-saving.
- » Unique electric box sub-assy structure design: motor and capacitor are separated, external capacitor for easy maintenance and replacement; the capacitor is plug-in type for easy removing and maintaining.

Item	Operation Ambient Temperature Range(°C)	Water Supply Temperature Range(°C)
Cooling	16~40	≥5
Heating	10~35	≤65



Model			FP-22LM/D-K	FP-34LM/D-K	FP-51LM/D-K	FP-68LM/D-K	FP-85LM/D-K	FP-102LM/D-K	FP-119LM/D-K	FP-136LM/D-K	FP-170LM/D-K	FP-204LM/D-K
Air flow volume(H/M/L)		m³/h	300/250/200	400/350/300	580/500/420	680/530/380	760/600/400	1000/740/510	1100/860/610	1100/870/620	1700/1275/850	1900/1425/950
		CFM	177/147/118	235/206/177	341/294/247	400/312/224	447/353/235	589/435/300	647/506/359	647/512/364	1000/750/500	1118/839/559
	Cooling/Heating	kW	1.4/2	1.9/2.3	2.8/3.4	3.2/3.8	4.25/4.9	5/5.9	5.3/6.45	5.9/6.8	9.2/10.7	10.1/11.5
Power system	Power supply	V/Ph/Hz	220-240V~50Hz									
	Input	kW	0.035	0.046	0.056	0.066	0.088	0.11	0.124	0.128	0.155	0.195
Water system	Cooling water flow volume	L/s	0.07	0.09	0.14	0.16	0.21	0.25	0.26	0.28	0.44	0.48
		GPM	1.1	1.4	2.2	2.5	3.3	4	4.1	4.4	7	7.6
	Heating water flow volume	L/s	0.09	0.11	0.17	0.19	0.26	0.28	0.3	0.32	0.51	0.55
		GPM	1.4	1.7	2.7	3	4.1	4.4	4.8	5.1	8.1	8.7
	Cooling pressure drop	kPa	10	15	18	21	27	18	20	25	45	55
		Ft.WG	3.3	4.9	5.9	6.9	8.9	5.9	6.6	8.2	14.7	18
	Heating pressure drop	kPa	20	22	27	30	38	25	27	30	55	65
		Ft.WG	6.6	7.2	8.9	9.8	12.5	8.2	8.9	9.8	18	21.3
Sound pressure level ¹⁾		dB(A)	36	38	39	42	45	48	50	50	49	52
Connection pipe	Water inlet & outlet(inner thread)	Inch	Rc3/4									
	Condensed water drain(outer thread)	mm	22	22	22	22	22	22	22	22	22	22
Dimension (W×D×H)	Outline	mm	895×680×230	895×680×230	1050×680×230	1050×680×230	1050×680×230	1350×680×230	1350×680×230	1350×680×230	1773×680×230	1773×680×230
	Package	mm	1120×690×285	1120×690×285	1275×690×285	1275×690×285	1275×690×285	1625×690×285	1625×690×285	1625×690×285	2100×690×285	2100×690×285
Net weight/Gross weight		kg	23/30	23/30	27/34	27/34	28/35	33/41	33/41	33/41	47/57.5	47.5/58
Loading quantity		40'GP/40'HQ	Set	238/272	238/272	189/216	189/216	189/216	147/168	147/168	147/168	119/136
Thermostat		-	Unit-mounted									

Notes:

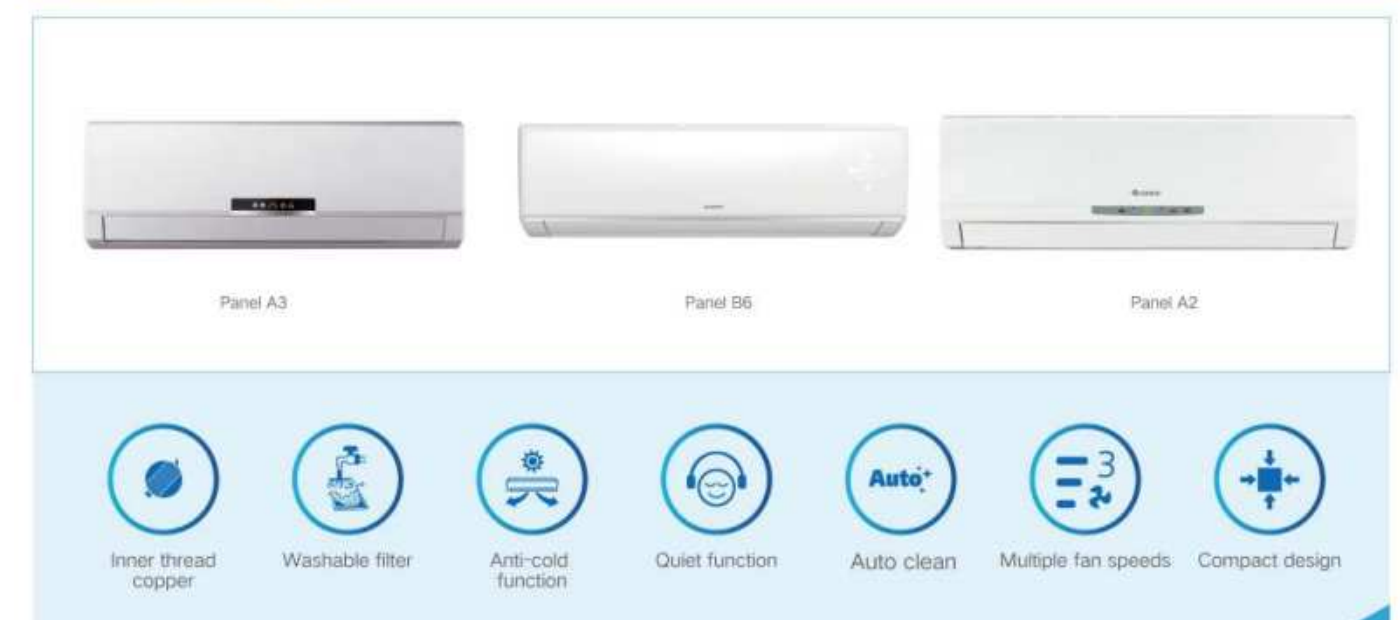
1. The data are tested under these testing conditions as below:

Item	Nominal test condition (temperature)			
	Inlet Air		Water	
	DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)
Cooling	27	19	7	12
Heating	20	≤15	45	40

2. Sound pressure level is tested according to GB/T 19232-2019.

Fan Coil Unit

Wall Mounted Type



- » Optimized air duct design to greatly improve the fan efficiency and lower the operation noise. Reasonable airflow for even temperature and humidity distribution.
- » The unit is with air valve for more reliable operation.

Item	Operation Ambient Temperature Range(°C)	Water Supply Temperature Range(°C)
Cooling	16~40	≥5
Heating	10~35	≤65



Model			FP-34BA3/B-K	FP-51BA3/B-K	FP-68BA3/B-K	FP-85BA3/B-K
Air flow volume(H/M/L)		m³/h	360/322/282	510/413/367	680/591/532	830/708/616
		CFM	212/189/166	300/243/216	400/347/312	489/417/363
Capacity	Cooling/Heating	kW	1.85/2.45	2.65/3.05	3.5/3.85	4.55/4.8
Power system	Power supply	V/Ph/Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
	Input	kW	0.03	0.03	0.04	0.06
Water system	Cooling water flow volume	L/s	0.09	0.13	0.17	0.22
		GPM	1.4	2.1	2.7	3.5
	Heating water flow volume	L/s	0.12	0.15	0.18	0.23
		GPM	1.9	2.4	2.9	3.7
	Cooling pressure drop	kPa	13	25	40	65
		Ft.WG	4.3	8.2	13.1	21.3
	Heating pressure drop	kPa	16	27	44	68
		Ft.WG	5.2	8.9	14.4	22.3
Sound pressure level*2		dB(A)	30	40	43	48
Connection pipe	Water inlet & outlet(inner thread)	Inch	1/2"	1/2"	1/2"	1/2"
	Condensed water drain(outer thread)	mm	15.6	15.6	15.6	15.6
Dimension (W×D×H)	Outline	mm	845×180×275	845×180×275	940×200×298	940×200×298
	Package	mm	915×255×355	915×255×355	1010×285×380	1010×285×380
Net weight/Gross weight		kg	8.8/11.8	8.8/11.8	10.8/14.8	10.8/14.8
Loading quantity		40'GP/40'HQ	Set 765/850	765/850	595/671	595/671
Controller		-	Field supply			



Model(Lomo-DC)			FPD-34884/A-K	FPD-51884/A-K	FPD-68884/A-K	FPD-85884/A-K	FPD-34886/A-K	FPD-51886/A-K	FPD-68886/A-K	FPD-85886/A-K
Air flow volume(H/M/L)			m³/h	340/255/170	510/382/255	680/510/340	850/637/425	340/255/170	510/382/255	680/510/340
			CFM	200/150/100	300/225/150	400/300/200	500/375/250	200/150/100	300/225/150	400/300/200
Capacity			kW	2.2/2.4	2.7/2.9	3.6/3.9	4.3/4.7	2.2/2.4	2.7/2.9	3.6/3.9
Power system	Power supply	V/Ph/Hz	220-240V~50Hz							
	Input	kW	0.012	0.018	0.029	0.043	0.012	0.018	0.029	0.043
Water system	Cooling water flow volume	L/s	0.1	0.14	0.18	0.21	0.1	0.14	0.18	0.21
		GPM	1.6	2.2	2.9	3.3	1.6	2.2	2.9	3.3
	Heating water flow volume	L/s	0.11	0.14	0.19	0.22	0.11	0.14	0.19	0.22
		GPM	1.7	2.2	3	3.5	1.7	2.2	3	3.5
	Cooling pressure drop	kPa	20	30	43	52	20	30	43	52
		Ft.WG	6.6	9.8	14.1	17.1	6.6	9.8	14.1	17.1
	Heating pressure drop	kPa	24	35	55	65	24	35	55	65
		Ft.WG	7.9	11.5	18	21.3	7.9	11.5	18	21.3
Sound pressure level ²			dB(A)	31	37	43	48	31	37	43
Connection pipe	Water inlet & outlet(inner thread)	Inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
	Condensed water drain(outer thread)	mm	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
Dimension (W×D×H)	Outline	mm	845×209×289	845×209×289	845×209×289	970×300×224	845×209×289	845×209×289	845×209×289	970×300×224
	Package	mm	973×278×364	973×278×364	973×278×364	1093×380×305	973×278×364	973×278×364	973×278×364	1093×380×305
Net weight/Gross weight			kg	10.5/12.5	10.5/12.5	10.5/12.5	12.5/15.5	10.5/12.5	10.5/12.5	12.5/15.5
Loading quantity			40'GP/40'HQ	Set	604/682	604/682	461/525	604/682	604/682	461/525
Standard			Wireless remote controller	-	YAP1F					
Optional			Wireless remote controller	-	XE7A-17/E(M)					

Model			FP-348A2/D-K	FP-518A2/D-K	FP-688A2/D-K	FP-858A2/D-K
Air flow volume(H/M/L)			m³/h	360/322/282	550/413/367	680/591/532
			CFM	212/189/166	324/242/215	400/347/312
Capacity			kW	2/2.7	2.5/3.2	3.6/4.6
Power system	Power supply	V/Ph/Hz	220-240V~50Hz			
	Input	kW	0.05	0.05	0.06	0.066
Water system	Cooling water flow volume	L/s	0.1	0.12	0.17	0.2
		GPM	1.6	1.9	2.7	3.2
	Heating water flow volume	L/s	0.13	0.15	0.22	0.26
		GPM	2.1	2.4	3.5	4.1
	Cooling pressure drop	kPa	18	25	52	60
		Ft.WG	5.9	8.2	17.1	19.7
Sound pressure level ²	Heating pressure drop	kPa	20	25	52	60
		Ft.WG	6.6	8.2	17.1	19.7
			dB(A)	35	40	48
Connection pipe	Water inlet & outlet(inner thread)	Inch	1/2"	1/2"	1/2"	1/2"
	Condensed water drain(outer thread)	mm	15.6	15.6	15.6	15.6
Dimension (W×D×H)	Outline	mm	845×180×275	845×180×275	940×200×298	940×200×298
	Package	mm	915×255×355	915×255×355	1010×285×380	1010×285×380
Net weight/Gross weight			kg	10/12.5	10/12.5	12/16
Loading quantity			40'GP/40'HQ	Set	765/850	595/671
Standard			Wireless remote controller	-	YB1FA(MOTO)	YB1FA(MOTO)
Optional			Wireless remote controller	-	XE70-17/E(M)	XE70-17/E(M)

Notes:

1. The data are tested under these testing conditions as below:

Item	Nominal test condition (temperature)			
	Inlet Air		Water	
	DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)
Cooling	27	19	7	12
Heating	20	≤15	45	40

2. Sound pressure level is tested according to GB/T 19232-2019.

3. Not all the certification of products for different markets are showed above, please contact us if related information is needed.

ERV

The product provides fresh outside air and recovers waste heat from exhaust air leaving conditioned space, to improve indoor air quality, and it is widely used in places that require good air quality with energy saving such as supermarkets, convenience stores, hotels, stations, hospitals, museums, theaters, etc.



50/60Hz DC Inverter ERV:

- » Multiple operating modes such as bypass, total heat exchange, exhaust air or auto mode, adaptable to demands in different circumstances.
- » Reminder for filter cleaning and replacement.
- » High static pressure (up to 240Pa) and low noise;
- » Five(5) fan speeds, satisfying fresh air demand under different installation environment;
- » Independent operation or interlock with VRF.
- » Connectable with Gree air box to realize auto-control.



Gree air box can detect and indicate the indoor air temperature/humidity, PM2.5 and CO2 level, showing the air quality in real time.

Parameters:

Model			FHBQGL-D8DA-S	FHBQGL-D10DA-S	FHBQGL-D15DA-S	FHBQGL-D20DA-S
Air flow volume			m³/h	800	1000	1500
External residual pressure			Pa	100	100	100
Temperature exchange efficiency			%	73	73	73
Power supply			Ph/V/Hz	1/220-240/50/60		
Power input			kW	0.44	0.54	0.88
Motor			DC motor	DC motor	DC motor	DC motor
Sound power level			dB(A)	66	67	71
Dimension (W×D×H)*	Outline	mm	1230×910×384	1230×1160×384	1230×921×835	1230×1171×835
	Package	mm	1570×1170×557	1570×1420×557	1570×1250×1007	1570×1500×1007
Net weight			kg	82.5	90.5	196.0
Gross weight			kg	131.5	142.5	265.0
Loading quantity	40'GP	unit	40	32	18	14
	40'HQ	unit	40	32	18	14
Standard wired controller			Z6L351S	Z6L351S	Z6L351S	Z6L351S

50Hz AC ERV



- » Multiple operating modes such as bypass, total heat exchange, exhaust air or auto mode, adaptable to demands in different circumstances.
- » Reminder for filter cleaning and replacement.
- » High static pressure (up to 240Pa) and low noise;
- » Connectable to BMS with Modbus interface.
- » Independent operation only, no interlocking with GMV or Gree air box.

Parameters:

Model			FHBQG-D3.5B-K	FHBQG-D6B-K	FHBQG-D6.5B-K	FHBQG-D9B-K	FHBQG-D10B-K	FHBQG-D13B-K
Air flow volume		m³/h	350	500	650	800	1000	1300
External residual pressure		Pa	100	100	100	100	100	150
Temperature exchange efficiency		%	75	75	75	75	75	75
Enthalpy exchange	Heating	%	70	70	70	70	70	70
	Cooling	%	60	60	60	60	60	60
Power supply		Ph/V/Hz	1/220/50	1/220/50	1/220/50	1/220/50	1/220/50	1/220/50
Power input		kW	0.16	0.27	0.35	0.48	0.575	0.7
Motor			AC motor	AC motor	AC motor	AC motor	AC motor	AC motor
Sound power level		dB(A)	37	38	41	42	43	47
"Dimension (W × D × H)"	Outline	mm	920 × 730 × 300	920 × 800 × 300	1146 × 832 × 380	1146 × 832 × 380	1146 × 983 × 380	1375 × 1210 × 485
	Package	mm	1278 × 983 × 395	1278 × 1053 × 395	1523 × 1158 × 455	1523 × 1158 × 455	1523 × 1293 × 455	1656 × 1465 × 615
Net weight		kg	39	45.5	61.5	65	71.5	102
Gross weight		kg	49.5	56	76.5	80.5	89	127.5
Loading quantity	40'GP	unit	105	90	70	70	45	24
	40'HQ	unit	126	108	70	70	45	32
Standard wired controller			ZNA351AJ	ZNA351AJ	ZNA351AJ	ZNA351AJ	ZNA351AJ	ZNA351AJ

Model			FHBQG-D15B-K	FHBQG-D20B-K	FHBQG-D25B-M	FHBQG-D30B-M	FHBQG-D40B-M	FHBQG-D50B-M
Air flow volume		m³/h	1500	2000	2500	3000	4000	5000
External residual pressure		Pa	150	150	200	220	240	240
Temperature exchange efficiency		%	75	75	75	75	75	75
Enthalpy exchange	Heating	%	70	70	70	70	70	70
	Cooling	%	60	60	60	60	60	60
Power supply		Ph/V/Hz	1/220/50	1/220/50	3/380/50	3/380/50	3/380/50	3/380/50
Power input		kW	0.83	1.3	2.6	2.8	3.4	5.6
Motor			AC motor	AC motor	AC motor	AC motor	AC motor	AC motor
Sound power level		dB(A)	48	54	59	60	60	62
"Dimension (W × D × H)"	Outline	mm	1375 × 1210 × 485	1375 × 1328 × 530	1750 × 1362 × 600	2000 × 1490 × 684	2100 × 1642 × 780	2300 × 1792 × 825
	Package	mm	1656 × 1465 × 615	1615 × 1535 × 675	1850 × 1548 × 793	2100 × 1680 × 877	2200 × 1828 × 973	2400 × 1978 × 1018
Net weight		kg	110	131	210	240	290	350
Gross weight		kg	135.5	157	233.5	277	323.5	390
Loading quantity	40'GP	unit	24	21	14	14	12	8
	40'HQ	unit	32	21	21	21	12	8
Standard wired controller			ZNA351AJ	ZNA351AJ	Controlling switch	Controlling switch	Controlling switch	Controlling switch

*Notes:

1. Thermal exchange efficiency test conditions of models FHBQG-D ** B-K and FHBQG-D ** B-M:
The dry ball/wet ball temperature at refrigeration fresh air inlet : 35/28℃; dry ball/wet ball temperature at exhaust air inlet : 27/19.5℃;
The dry ball/wet ball temperature at heating fresh air inlet : 21/13℃; dry ball/wet ball temperature at exhaust air inlet: 2/1℃.

2. Thermal exchange efficiency test conditions of model FHBQGL-D ** DA-K thermal exchange efficiency test conditions:
The dry ball/wet ball temperature at fresh air inlet: 25/13℃; dry ball/wet ball temperature at exhaust air inlet: 5/-℃.

3. Some models are under development, and parameters may change.

Air Curtain

The air curtain adopts crossflow blower to generate high speed air flow downward, which is usually installed above entrance door or window to isolate the indoor air from the outdoor air, reduce the loss of indoor cool air and prevent insects and dust from entering the indoor environment.



- » Optimized cross-flow fan and good performance motor are adopted.
- » Micro processor control with high reliability and long service life.
- » Corrosion prevention thanks to two-side electro-galvanized metal case.
- » High quality galvanized steel casing with double-sided plastic spray processing, highly anticorrosive.
- » Solid structure provides powerful airflow.
- » With integrated electric components, easy maintenance.
- » High performance cross flow fan blade with 3D-optimized streamlines.



Item		Working condition parameters	
Dry bulb temperature of inlet air °C		5~40	
Model		FM-1.25-9-K	FM-1.25-12-K
Air flow volume	m³/h	1200	1650
Power supply	Ph/V/Hz	220-240V-50Hz	220-240V-50Hz
Power input	kW	110	140
Sound pressure level	dB(A)	59	61
Dimension (W×D×H)	Outline	mm	900×225×220
	Package	mm	1015×270×256
Net weight	kg	16	20
Gross weight	kg	17.5	21.8
Loading quantity	40'GP/40'HQ	unit	776/873
Wireless remote controller		ZY611 (MC)	ZY611 (MC)

Note: Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

Control System Lineup

Product series			Concealed ceiling type	Cassette type	Floor ceiling type	Wall-mounted type	Wall mounted type (Lomo)	ERV	Air curtain
Control system									
Wireless controller	YB1FA (MOTO)			●		●			
	YAP1F				●		●		
	ZY611 (MC)								●
Wired controller	XE7A-17/E(M)				○		○		
	XE70-17/E(M) (with BMS interface)			○		○			
	Z6L351S							●	
	ZNA351AJ							●	
CONTROLLING SWITCH	/							●	
Digital thermostat	WK-011PM		○						
	WK-010PM		○						
	WK-010PV		○						
	WK-010PW		○						

Notes:

● means standard, ○ means optional.

A nighttime photograph of a dense urban skyline. Several tall skyscrapers are visible, their windows glowing with warm yellow and orange light. The sky is a deep, clear blue. In the foreground, there are some trees and lower-level buildings, also illuminated. The overall scene is a vibrant representation of a modern city at night.

SPECIALIZED AC

Close Control Air Conditioner

Close Control Air Conditioner*

R410A

It is a kind of air cooled split AC that is widely used in equipment rooms, machinery rooms, etc. to precisely control the temperature and humidity.





Energy saving function



Self-diagnosis



Modular structure



Easier maintainability



Compact design



Long-distance monitoring

- » Rapid and safe start-up.
- » Flexible installation and several air outlet directions to meet different installation requirements.
- » Modular design: up to 4 units with rated capacity of 5-20kw or 32 units with rated capacity of 25-100kw could be freely connected.

Class	Item		Model/ Unit	JKFD5CR/Na-E	JKFD5QSR/Na-E	JKFD7CR/Na-M	JKFD7QSR/Na-M		
Characteristics	Total Cooling Capacity/Sensible Cooling Capacity(24℃/17℃)			kW		5.5/5.1		7.2/6.5	
	Heating Capacity			kW		2.7			
	Rated Humidifying Capacity			kg/h		2		4	
	Air Volume			m³/h		1900		1950	
	External Static Pressure			Pa		0		15	
	Noise of Indoor Unit			dB(A)		58		56	
	Temperature Control Range and Precision					17 ~ 28℃ ± 1℃			
	Humidity Control Range and Precision					40 ~ 60% ± 5%			
Cooling System	Power Supply			220V ~ 50Hz		380V 3N~ 50Hz			
	Compressor		Type	Hermetic Scroll Type					
	Evaporator		Type	Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin					
	Condenser		Type	Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin					
	Refrigerant			R410A					
Air Supply System	Indoor Unit		Fan	Type		Low Noise and Centrifugal External Rotor			
			Filter	Type of Drive		Direct Drive			
						Plate Filter(G4)			
Heating System	Heater		Type	Electric Heating					
Humidifying System	Humidifier		Type	Infrared					
			Control Method	Automatic Control by Mainboard					
Evaporator	Indoor Unit Model			JKFD5CR/Na-E(I)		JKFD5QSR/Na-E(I)		JKFD7CR/Na-M(I)	
	Dimension		Width	mm		800			
			Depth	mm		700			
			Height	mm		2250		1950	
	Net Weight		kg	257		237		257	
Outdoor Unit	Outdoor Unit Model			JKFD5P/Na-E(O)		JKFD7P/Na-E(O)			
	Quantity		set	1					
	Condensate Fan		Type	Low Noise Axial Type					
			Type of Drive	Direct Drive					
	Noise of Outdoor Unit		dB(A)	60					
	Dimension		Width	mm		900			
			Depth	mm		412			
			Height	mm		1350			
Net Weight		kg	71						
Connecting Pipe	Liquid Pipe of Refrigerant		mm × (unit)	Φ9.52 × 1					
	Gas Pipe of Refrigerant		mm × (unit)	Φ12 × 1					
	Connecting Method			Flared Joint					

Class	Item		Model Unit	JKFD15CR/Na-M	JKFD15QSR/Na-M	JKFD20CR/Na-M	JKFD20QSR/Na-M
Characteristics	Total Cooling Capacity/Sensible Cooling Capacity(24°C/17°C)		kW	15.0/13.6		20.0/18.4	
	Heating Capacity		kW	5.5	6.5	9.5	10.5
	Rated Humidifying Capacity		kg/h	4			
	Air Volume		m³/h	3700	4800	4150	6000
	External Static Pressure		Pa	0	75	0	75
	Noise of Indoor Unit		dB(A)	64	62	63	61
	Temperature Control Range and Precision			17 ~ 28°C ± TC			
	Humidity Control Range and Precision			40 ~ 60% ± 5%			
Cooling System	Power Supply			380V 3N ~ 50Hz			
	Compressor	Type		Hermetic Scroll Type			
	Evaporator	Type		Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin			
	Condenser	Type		Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin			
	Refrigerant			R410A			
Air Supply System	Throttling Method			Electric Expansion Valve			
	Indoor Unit	Fan	Type	Low Noise and Centrifugal External Rotor			
		Filter	Type of Drive	Direct Drive			
Heating System	Heater	Type		Plate Filter(G4)			
Humidifying System	Humidifier	Type		Electric Heating			
		Control Method		Infrared			
Evaporator	Indoor Unit Model			JKFD15CR/Na-M(I)	JKFD15QSR/Na-M(I)	JKFD20CR/Na-M(I)	JKFD20SR/Na-M(I)
	Dimension	Width	mm	980			
		Depth	mm	950			
		Height	mm	2250	1950	2250	1950
	Net Weight		kg	380	348	400	360
Outdoor Unit	Outdoor Unit Model			JKFD15P/Na-M(O)		JKFD20P/Na-M(O)	
	Quantity		set	1			
	Condensate Fan	Type		Low Noise Axial Type			
		Type of Drive		Direct Drive			
	Noise of Outdoor Unit		dB(A)	64			
	Dimension	Width	mm	1400			
		Depth	mm	715			
		Height	mm	1130			
Net Weight		kg	136				
Connecting Pipe	Liquid Pipe of Refrigerant		mm × (unit)	Φ16 × 1			
	Gas Pipe of Refrigerant		mm × (unit)	Φ19 × 1			
	Connecting Method			Flared Joint			

Class	Item		Model Unit	JKFD25QS/NaB-M	JKFD25SX/NaB-M
Characteristics	Total Cooling Capacity/Sensible Cooling Capacity(24°C/17°C)		kW	26/23.5	25/22.5
	Heating Capacity		kW	8.5/8.3	
	Rated Humidifying Capacity		kg/h	8	
	Air Volume		m³/h	7500	
	External Static Pressure		Pa	100	
	Noise of Indoor Unit		dB(A)	63	
	Temperature Control Range and Precision			17 ~ 28°C ± 1°C	
	Humidity Control Range and Precision			40 ~ 60% ± 5%	
Cooling System	Power Supply			380V 3N ~ 50Hz	
	Compressor	Type		Hermetic Scroll Type	
	Evaporator	Type		Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin	
	Condenser	Type		Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin	
	Refrigerant			R410A	
Air Supply System	Throttling Method			Electric Expansion Valve	
	Indoor Unit	Fan	Type	EC Low Noise and Centrifugal External Rotor	
		Filter	Type of Drive	Inverter Direct Drive	
Heating System	Heater	Type		Plate Filter(G4)	
Humidifying System	Humidifier	Type		Electric Heating	
		Control Method		Electrode	
Evaporator	Indoor Unit Model			JKFD25QS/NaB-M(I)	JKFD25SX/NaB-M(I)
	Dimension	Width	mm	925	1300
		Depth	mm	990	
		Height	mm	1980	
	Net Weight		kg	340	364
Outdoor Unit	Outdoor Unit Model			JKFD25Pd/NaB-M(O)	JKFD25Pd/NaB-M(O)
	Quantity		set	1	2
	Condensate Fan	Type		Low Noise Axial Type	
		Type of Drive		Inverter Direct Drive	
	Noise of Outdoor Unit		dB(A)	49	62
	Dimension	Width	mm	1340	930
		Depth	mm	765	765
		Height	mm	1740	1605
Connecting Pipe	Net Weight		kg	195	137
	Liquid Pipe of Refrigerant		mm × (unit)	Φ19 × 1	
	Gas Pipe of Refrigerant		mm × (unit)	Φ22 × 1	
	Connecting Method			Weld	

Class	Item		Model Unit		
Characteristics	Total Cooling Capacity/Sensible Cooling Capacity(24°C/17°C)		kW	30/27.5	
	Heating Capacity		kW	9	11
	Rated Humidifying Capacity		kg/h	8	
	Air Volume		m³/h	9000	
	External Static Pressure		Pa	100	
	Noise of Indoor Unit		dB(A)	68	69
	Temperature Control Range and Precision			17 ~ 28°C ± TC	
	Humidity Control Range and Precision			40 ~ 60% ± 5%	
Cooling System	Power Supply			380V 3N ~ 50Hz	
	Compressor	Type		Hermetic Scroll Type	
	Evaporator	Type		Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin	
	Condenser	Type		Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin	
	Refrigerant			R410A	
Air Supply System	Throttling Method			Electric Expansion Valve	
	Indoor Unit	Fan	Type	EC Low Noise and Centrifugal External Rotor	
		Filter	Type of Drive	Inverter Direct Drive	
Heating System	Heater	Type		Plate Filter(G4)	
Humidifying System	Humidifier	Type		Electric Heating	
		Control Method		Electrode	
Evaporator	Indoor Unit Model			JKFD30QS/NaB-M(I)	JKFD30SX/NaB-M(I)
	Dimension	Width	mm	925	
		Depth	mm	990	
		Height	mm	1980	
	Net Weight		kg	359	319
Outdoor Unit	Outdoor Unit Model			JKFD30Pd/NaB-M(O)	JKFD30Pd/NaB-M(O)
	Quantity		set	1	
	Condensate Fan	Type		Low Noise Axial Type	
		Type of Drive		Inverter Direct Drive	
	Noise of Outdoor Unit		dB(A)	64	62
	Dimension	Width	mm	1340	930
		Depth	mm	765	
		Height	mm	1740	1605
Connecting Pipe	Net Weight		kg	193	
	Liquid Pipe of Refrigerant		mm × (unit)	Φ19 × 1	
	Gas Pipe of Refrigerant		mm × (unit)	Φ22 × 1	
	Connecting Method			Weld	

Class	Item		Model Unit		
Characteristics	Total Cooling Capacity/Sensible Cooling Capacity(24°C/17°C)		kW	40/36.5	40.2/37.8
	Heating Capacity		kW	9.5	
	Rated Humidifying Capacity		kg/h	8	
	Air Volume		m³/h	11000	
	External Static Pressure		Pa	100	
	Noise of Indoor Unit		dB(A)	69	68
	Temperature Control Range and Precision			17 ~ 28°C ± TC	
	Humidity Control Range and Precision			40 ~ 60% ± 5%	
Cooling System	Power Supply			380V 3N ~ 50Hz	
	Compressor	Type		Hermetic Scroll Type	
	Evaporator	Type		Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin	
	Condenser	Type		Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin	
	Refrigerant			R410A	
Air Supply System	Throttling Method			Electric Expansion Valve	
	Indoor Unit	Fan	Type	EC Low Noise and Centrifugal External Rotor	
		Filter	Type of Drive	Inverter Direct Drive	
Heating System	Heater	Type		Plate Filter(G4)	
Humidifying System	Humidifier	Type		Electric Heating	
		Control Method		Electrode	
Evaporator	Indoor Unit Model			JKFD40QS/NaB-M(I)	JKFD40SX/NaB-M(I)
	Dimension	Width	mm	1125	
		Depth	mm	990	
		Height	mm	1980	
	Net Weight		kg	403	400
Outdoor Unit	Outdoor Unit Model			JKFD40Pd/NaB-M(O)	JKFD40Pd/NaB-M(O)
	Quantity		set	1	
	Condensate Fan	Type		Low Noise Axial Type	
		Type of Drive		Inverter Direct Drive	
	Noise of Outdoor Unit		dB(A)	62	
	Dimension	Width	mm	1340	
		Depth	mm	765	
		Height	mm	1740	
Connecting Pipe	Net Weight		kg	214	
	Liquid Pipe of Refrigerant		mm × (unit)	Φ19 × 1	
	Gas Pipe of Refrigerant		mm × (unit)	Φ22 × 1	
	Connecting Method			Weld	

Class	Item	Model	Unit		
Characteristics	Total Cooling Capacity/Sensible Cooling Capacity(24℃/17℃)		kW	50.2/46	
	Heating Capacity		kW	11	95
	Rated Humidifying Capacity		kg/h	8	
	Air Volume		m³/h	14000	
	External Static Pressure		Pa	100	
	Noise of Indoor Unit		dB(A)	69	
	Temperature Control Range and Precision			17 ~ 28℃ ± 1℃	
	Humidity Control Range and Precision			40 ~ 60% ± 5%	
	Power Supply			380V 3N ~ 50Hz	
Cooling System	Compressor	Type		Hermetic Scroll Type	
	Evaporator	Type		Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin	
	Condenser	Type		Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin	
	Refrigerant			R410A	
	Throttling Method			Electric Expansion Valve	
Air Supply System	Indoor Unit	Fan	Type	EC Low Noise and Centrifugal External Rotor	
		Filter	Type of Drive	Inverter Direct Drive	
Heating System	Heater	Type		Plate Filter(G4)	
Humidifying System	Humidifier	Type		Electric Heating	
		Control Method		Independent Humidifying Panel	
Evaporator	Indoor Unit Model			JKFD50QS/NaB-M(I)	JKFD50SX/NaB-M(I)
	Dimension	Width	mm	1300	1125
		Depth	mm	990	
		Height	mm	1980	
	Net Weight		kg	417	411
Outdoor Unit	Outdoor Unit Model			JKFD50Pd/NaB-M(O)	
	Quantity		set	1	
	Condensate Fan	Type		Low Noise Axial Type	
		Type of Drive		Inverter Direct Drive	
	Noise of Outdoor Unit		dB(A)	64	
	Dimension	Width	mm	1340	
		Depth	mm	765	
		Height	mm	1740	
Connecting Pipe	Net Weight		kg	214	
	Liquid Pipe of Refrigerant		mm × (unit)	Φ19 × 1	
	Gas Pipe of Refrigerant		mm × (unit)	Φ22 × 1	
	Connecting Method			Weld	

Class	Item		Model Unit				
Characteristics	Total Cooling Capacity/Sensible Cooling Capacity(24℃ /1 TC)			kW	60/55	70.3/66.1	
	Heating Capacity			kW	18	18	
	Rated Humidifying Capacity			kg/h	8		
	Air Volume			m³/h	17500	20000	
	External Static Pressure			Pa	100		
	Noise of Indoor Unit			dB(A)	68	71	
	Temperature Control Range and Precision				17 ~ 28℃ ± 1℃		
	Humidity Control Range and Precision				40 ~ 60% ± 5%		
	Power Supply				380V 3N ~ 50Hz		
Cooling System	Compressor	Type	Hermetic Scroll Type				
	Evaporator	Type	Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin				
	Condenser	Type	Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin				
	Refrigerant		R410A				
	Throttling Method		Electric Expansion Valve				
Air Supply System	Indoor Unit	Fan	Type	EC Low Noise and Centrifugal External Rotor			
		Filter	Type of Drive	Inverter Direct Drive			
Heating System	Heater	Type		Plate Filter(G4)			
Humidifying System	Humidifier	Type		Electric Heating			
		Control Method		Electrode			
Evaporator	Indoor Unit Model			JKFD60QS2/NaB-M(I)	JKFD60SX2/NaB-M(I)	JKFD70QS2/NaB-M(I)	JKFD70SX2/NaB-M(I)
	Dimension	Width	mm	1800			
		Depth	mm	990			
		Height	mm	1980			
	Net Weight		kg	700	689		
Outdoor Unit	Outdoor Unit Model			JKFD30Pd/NaB-M(O)	JKFD35Pd/NaB-M(O)		
	Quantity		set	2			
	Condensate Fan	Type		Low Noise Axial Type			
		Type of Drive		Inverter Direct Drive			
	Noise of Outdoor Unit		dB(A)	64			
	Dimension	Width	mm	1340			
		Depth	mm	765			
		Height	mm	1740			
Net Weight		kg	214				
Connecting Pipe	Liquid Pipe of Refrigerant		mm × (unit)	Φ19 × 2			
	Gas Pipe of Refrigerant		mm × (unit)	Φ22 × 2			
	Connecting Method			Weld			

Characteristics	Total Cooling Capacity/Sensible Cooling Capacity(24℃/17℃)		kW	80/63.5		90.2/84.8		100	97.3
	Heating Capacity		kW	21	19	22	21.4	21.4	
	Rated Humidifying Capacity		kg/h	8					
	Air Volume		m³/h	23000		26000		28000	
	External Static Pressure		Pa	69		100			
	Noise of Indoor Unit		dB(A)	71					
	Temperature Control Range and Precision			17 ~ 28℃ ± 1℃					
	Humidity Control Range and Precision			40 ~ 60% ± 5%					
	Power Supply			380V 3N ~ 50Hz					
Cooling System	Compressor		Type	Hermetic Scroll Type					
	Evaporator		Type	Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin					
	Condenser		Type	Inner Grooved Copper Pipe with Hydrophilic Film Aluminum Fin					
	Refrigerant			R410A					
	Throttling Method			Electric Expansion Valve					
Air Supply System	Indoor Unit	Fan	Type	EC Low Noise and Centrifugal External Rotor					
		Filter	Type of Drive	Inverter Direct Drive					
Heating System	Heater	Type		Plate Filter(G4)					
Humidifying System	Humidifier	Type		Electric Heating					
		Control Method		Electrode					
Evaporator	Indoor Unit Model			JKFD80QS2/NaB-M(I)	JKFD80SX2/NaB-M(I)	JKFD90QS2/NaB-M(I)	JKFD90SX2/NaB-M(I)	JKFD100QS2/NaB-M(I)	JKFD100SX2/NaB-M(I)
	Dimension	Width	mm	2200		2550	2200	2550	2200
		Depth	mm	990		990		990	
		Height	mm	1980		1980		1980	
	Net Weight		kg	738	739	797	762	797	762
	Outdoor Unit Model			JKFD40Pd/NaB-M(O)		JKFD45Pd/NaB-M(O)		JKFD50Pd/NaB-M(O)	
Outdoor Unit	Quantity		set	2					
	Condensate Fan	Type		Low Noise Axial Type					
		Type of Drive		Inverter Direct Drive					
	Noise of Outdoor Unit		dB(A)	62		64		64	
	Dimension	Width	mm	1340		1340		1340	
		Depth	mm	765		765		765	
		Height	mm	1740		1740		1740	
	Net Weight		kg	214					
Connecting Pipe	Liquid Pipe of Refrigerant		mm × (unit)	Φ19 × 2					
	Gas Pipe of Refrigerant		mm × (unit)	Φ22 × 2					
	Connecting Method			Weld					

Note:

- The design of this unit conforms to GB / T 19413-2010.
- The ambient temperature for cooling capacity measurement: indoor dry bulb temperature is 24 °C, wet bulb temperature is 17 °C and outdoor dry bulb temperature is 35 °C.
- The performance parameters of the unit will be changed due to the improvement of the product without prior notice. The specific parameters are subject to the nameplate of the unit.
- The noise is the value tested in the semi-anechoic room according to the relevant standards. During actual operation, the noise may increase a little due to the change of ambient temperature.
- The accuracy of temperature and humidity control is closely related to the temperature and humidity load at the project site. A detailed load calculation table should be provided for verification when high control accuracy is required.
- When the altitude exceeds 1,000m, derating is required. Please contact our company for specific derating.
- All above models can realize modular operation.
- If you have special requirements, please contact us in time.
- Electric heating and humidifier can be selected according to engineering needs. Please contact our company for specific requirements.
- The unit is equipped with the top air discharge outdoor unit and its top air discharge indoor unit is without air cap. If you need side air discharge outdoor unit and the air cap for the indoor unit, please contact our company.

Reference Projects



- Project Name: Mordovia Arena
- Country: Russia
- City: Saransk
- Time: 2018
- Product: Water-cooled Screw Chiller



- Project Name: Sochi More-Mall
- Country: Russia
- City: Sochi
- Time: 2014
- Product: Centrifugal Chiller



- Project Name: Jizan Double Tree By Hilton
- Country: Saudi Arabia
- City: Jizan
- Time: 2019
- Product: Air-cooled Screw Chiller



- Project Name: Holiday Inn Orchard
- Country: Singapore
- City: Singapore
- Time: 2018
- Product: Water-cooled Screw Chiller



- Project Name: China Pavilion of 2015 Milan World Expo
- Country: Italy
- City: Milan
- Time: 2015
- Product: GMV



- Project Name: Greenwood International Trade Center
- Country: Russia
- City: Moscow
- Product: GMV



- Project Name: Marriott Executive Apartments
- Country: Ethiopia
- City: Addis Ababa
- Time: 2018
- Product: Air-cooled Screw Chiller/FCU/AHU



- Project Name: 14 Regional Airports
- Country: Greece
- City: Actio, Corfu, Kefalonia, Kavala, Thessaloniki, Zante, Skiathos, Mykonos, Santorini, Kos, Mytilene, Rhodes, Samos, Chania
- Time: 2019
- Product: GMV



- Project Name: Minsk Shantar Hill
- Country: Belarus
- City: Minsk
- Time: 2019
- Product: GMV



- Project Name: Azerbaijan Ministry of Internal Affairs
- Country: Azerbaijan
- City: Baku
- Time: 2018
- Product: Telecom AC/Rooftop



- Project Name: Clinical Hospital Firule
- Country: Croatia
- Time: 2017
- Product: GMV



- Project Name: Agri City Hospital
- Country: Turkey
- Time: 2016
- Product: Air-cooled Screw Chiller



- Project Name: Mercedes-Benz Showroom
- Country: Georgia
- City: Tbilisi
- Time: 2018
- Product: GMV



- Project Name: Hotel Palace Bellevue
- Country: Croatia
- City: Cavtat
- Time: 2018
- Product: GMV



- Project Name: Clinical Hospital Karlovac
- Country: Croatia
- City: Zagreb
- Time: 2018
- Product: GMV



- Project Name: FEO Residence
- Country: Turkey
- City: Northern Cyprus
- Time: 2018
- Product: GMV

Reference Projects Lineup

Country	Project Name	Installed Series
Philippine	Tosot Philippines Corporation	GMV5 PV
Iran	Tehran University	PV Inverter Centrifugal Chiller
Macedonia	Nikob Cash Center Skopje	GMV5 PV
Thailand	7-11 Store	GMV5 PV
Italy	Expo 2015	GMV4; GMV5
Brazil	2016 Rio de Janeiro Olympics Games	GMV4; GMV4 Mini; Free Match; Splits
Bulgaria	G. Asparuhov Stadium	GMV 4; Cassette IDU
Russia	Mordovia Arena	Water-cooled Screw Chiller; Fan Coils
Malawi	National Stadium	GMV5 Duct System
South Africa	Soccer City-Soccer Stadium of 2010 FIFA	Water-cooled Packaged Unit
Angola	FNB Stadium-Main Stadium of 2010 Africa Cup of Nations	Digital D4 (Modular Digital VRF); Duct Split Unit
Russia	Sochi More-Mall	Centrifugal Chiller
India	Bicon Headquarter Building	Water-cooled Screw Chiller; Air-cooled Screw Chiller
France	Trattoria Restaurant	U-Match; Duct
UK	Wyndham Leisure Centre	GMV5 Heat Recovery
UK	Sketch	GMV5; U-match Split Systems
Russia	Mir Kino Cinema	Duct
Myanmar	Grand Hantha International Hospital	Inverter Centrifugal Chiller; AHU; Fan Coil
Sudan	Ministry of Finance	GMV5
Cuba	CECMED National Pharmacy Laboratory	Water-cooled Screw Chiller; Hydronic Air Handling Unit; Fan Coil Unit
Malta	ST James Hospital	Air-cooled Scroll Chiller (C Series); Mini Chiller
Bulgaria	Sliven Town Library	Air-cooled Scroll Chiller
Senegal	Grande Mosque De Touba	Water-cooled Package Unit
Brazil	Farroupilha Porto Alegre School	GMV4
UK	Richmond upon Thames College	GMV5
Russia	Uralzheldorproekt Institute	GMV
Sudan	National University Sudan	GMV4 DC Inverter
Serbia	Student Dormitory in Novi Sad	Modular Air-cooled Screw Chiller
Panama	Panama De Universidad Technology	DC Inverter GMV
Bahrain	IBN School	Rooftop Package Unit
Cyprus	Lancashire University	DC Inverter GMV
UK	Persimmon Homes HQ	GMV5 Heat Recovery
Russia	AVM-Orsetto Business Center	GMV
Indonesia	Oppo and J & T Office Tower-Landmark Pulit	GMV5 Duct System; GMV5 Fresh Air System; AC Elevator; Air Curtain
Indonesia	Satoria Tower	GMV5; GMV5 Duct Type; Split Wall Mounted
Oman	Al Habsi	GMV5
Oman	Raha Towers	GMV5 Compact
Bahrain	Millennium Tower	Fan Coil Unit
Oman	Trading Building	Air Cooled Screw Chiller
Costarica	Ins Call Center	DC Inverter GMV
Russia	Green Park Commercial Center	DC Inverter GMV
Croatia	FINA Rijeka	Air-cooled Scroll Chiller (C Series)
Lebanon	CUBIC Commercial Center	GMV5
Palestine	Ministry of Foreign Affairs	DC Inverter GMV
Pakistan	Al Tijara Building	DC Inverter GMV
Serbia	Buha	Versati
Indonesia	Sudirman Suites	Centrifugal Chiller; Concealed Ceiling Type; AHU; Duct Type; Wall Mounted Unit
Sri Lanka	Astoria	GMV5; Duct Type
Myanmar	Golden City	GMV5; Duct Type
Australia	Subi Strand	GMV5 Mini
Australia	Toccata	GMV5 Mini
Australia	Linq	GMV5 Mini
Australia	Unison	GMV5
Oman	ERA Real Estate	GMV5
Iraq	NawRoz City-500 Luxury Apartment	Super Free Match

Country	Project Name	Installed Series
Iraq	Lebanese Village	DC Inverter GMV; U-Match; Super Free Match; Air Cooled Screw Chiller
Iraq	New Eskan Project	Super Free Match
Bulgaria	Private House, Markovo Village	Mini Chiller
Lebanon	Conad Supermarket	U-match (Inverter Series)
America	Charter Court Apartments	TMV5
Russia	Mechta Shopping Mall	U-Match
Russia	Krasnaya Pakhra Recreation Center	GMV
Philippine	Unitop Tagegarao	Water-cooled Screw Chiller
Philippine	One Mall	Centrifugal Chiller; Water-cooled Screw Chiller; AHU
Myanmar	Time City	DC Inverter Centrifugal Chiller
Mauritius	Grand Bay La Croisette	GMV4
Angola	Ulenko Center Glakeni	GMV5
Oman	Centrepont Mall	GMV5 Compact
Oman	Nawaras Commercial Centre	High-efficiency Air-cooled Screw Chiller; Terminal; GMV5; Rooftop
Russia	Tools Shop	U-Match
India	Tanishq Flag Store	DC Inverter GMV
Palestine	Palestinian Trade Tower	DC Inverter GMV
Indonesia	Grand Mercure & Ibis Hotel Yogyakarta	High-efficiency Modular Air-cooled Screw Chiller
Philippine	Sunlight Hotel Coron	GMV5
Philippine	Sunshine Island Hotel	GMV5; Duct Type
Thailand	Harbour View Residence Hotel	GMV5
Mauritius	Heritage Le Telfair Hotel	GMV5 Duct System
Qatar	Hilton Garden Inn	Fan Coil Unit
Yemen	Al-Bustan	DC Inverter GMV
Cyprus	Limassol Hotel	Free Match
Bulgaria	Alen Mak Hotel	Air-cooled Scroll Chiller
Bulgaria	Sana 1 Hotel	DC Inverter GMV
Greece	Samos Bay Hotel	DC Inverter GMV
Indonesia	Ibis Budget Hotell	Heat Pump Water Heater; Split Wall Mounted; U-Match Split Duct
Brazil	Compal Factory	Modular Air-cooled Scroll Chiller
Russia	MLP-Podolsk Logistic Center	GMV
Russia	IEK Warehouse	GMV
China	Top Giga Material TGHQ	CVE Series Permanent Magnet Synchronous Inverter Centrifugal Chiller
Brazil	XCMG Brasil	DC Inverter GMV
Russia	Aircraft Plant	U-Match