



GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

Add: West Jinji Rd, Qianshan, Zhuhai, Guangdong, China 519070
Tel: (+86-756) 852 2218 Fax: (+86-756) 866 9426
Email: gree@gree.com.cn Http://www.gree.com

HONG KONG GREE ELECTRIC APPLIANCES SALES LIMITED

Add: Unit 2612, 26/F., Miramar Tower 132 Nathan Road, TST, Kowloon, HK
Tel: (852) 3165 8898 Fax: (852) 3165 1029

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.

All images provided in this catalogue are used for illustration purposes only.
Copyright© Gree Electric Appliances, Inc. of Zhuhai. All rights reserved.

GC-1610-01



Distributor information

GREE

CAC T1 50HZ R410A/R134a

GREE
AIR CONDITIONER



CAC

T1 50Hz
R410A/R134a

Gree Electric Appliances Inc. of Zhuhai, founded in 1991, is the world's largest air conditioner enterprise integrating R&D, manufacturing, marketing and service.

- 2012, Gree became the first listed electrical appliances enterprise in China with sales revenue over 16 billion USD (RMB 100 billion).
- 2013, GREE's sales revenue exceeded 19 billion USD.

Gree has been ranked on the Fortune Magazine as one of the Top 100 Chinese listed companies for 12 consecutive years.

Thanks to 300 million user's choices, Gree products are sold widely in more than 200 countries and regions. Today Gree's annual production capacity of RAC and CAC are more than 60 million sets and 5.5 million sets respectively.

Action makes the future and innovation makes achievement. Looking forward, Gree will firmly persist in the business philosophy of passion, innovation and realization. We aim to build a century's standing air conditioning enterprise, to create a better life for human.

For the Clearer Sky and Greener Earth.









مکيفر گازی
مکيف الهواء
air conditioner
냉온풍기
エアコン
एर कन्डिशनर
空调 climatiseur
acondicionador de aire
ar condicionado
300,000,000 users

CONTENTS





007	LIGHT COMMERCIAL AC	097	SCREW CHILLER
019	U match	099	Modular Air-cooled Screw Chiller
023	Duct Split Type	101	High-efficiency Modular Air-cooled Screw Chiller
	Rooftop Packaged Unit		High-efficiency Water-cooled Screw Chiller
	MULTI-VRF		CENTRIFUGAL CHILLER
027	Free Match 4	105	CE Series Fixed-speed Centrifugal Chiller
034	Super Free Match	108	CVE Series Permanent Magnet Synchronous Inverter Centrifugal Chiller
041	GMV5	111	CC Series Magnetic Bearing Inverter Centrifugal Chiller
047	GMV5 HR		TERMINAL
051	GMV5 Home	115	Fan Coil Unit
053	GMV Water	122	Air Curtain
067	Energy Recovery Ventilation		SPECIALIZED AC
070	Control System Lineup	127	Marine Air Conditioner
	AIR TO WATER	129	Close Control Air Conditioner
073	Versati II	132	Elevator Air Conditioner
077	Versati II +(Split Type)		LONG-DISTANCE CONTROL SYSTEM
080	Versati II +(Monobloc Type)	133	
081	Split Type Water Heater	135	REFERENCE PROJECTS
083	Integral Type Water Heater		
085	Direct and Circulating Type Water Heater		
	SCROLL CHILLER		
089	Inverter Mini Chiller		
090	Mini Chiller		
093	Modular Air-cooled Scroll Chiller		



Some Parts

- 
Golden fin condenser
 Anti-corrosive performance of golden fin is 3 times better than normal Fin.
- 
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 makes operation steady and in low noise.
- 
Auxiliary electric heater
 Auxiliary heater greatly improves heating capacity and saves energy.
- 
Slave and master wired controller
 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.





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.




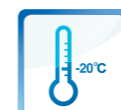


Comfortable & Healthy

- 
Vertical swing
 Air discharge flaps can automatic move vertically for efficient air and temperature distribution throughout the room.
- 
Horizontal swing
 Air discharge Louvre can automatic move horizontally for efficient air and temperature distribution throughout the room.
- 
Anti-cold function
 The indoor unit will not blow in the 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.






Convenience

- 
Memory function
 Unit is able to remember the operations before power failure and automatically returns to those operations when power restored.
- 
Compact design
 Unit is designed with smaller dimension, which is easy to install and transport, and saves the 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 unit turn off , the indoor fan will keep running in 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 problem occur.
- 
Low voltage startup
 Unit is able to safely start when voltage is below standard.
- 
Low temperature heating
 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
 Unit can operate in wide range, greatly reducing the ambient temperature limitation.
- 
Multi fan speed
 The fan can operate with multi speeds and satisfy different air flow volume requirement.
- 
Modular structure
 High efficiency compressor presents reliable performance.

Control

- 
24 hour timer
 Unit can be set to turn on or turn off at anytime in a day.(The timing interval is 5-minute.)
- 
Weekly timer
 Unit can be set to start heating or cooling anytime on a daily or weekly basis.
- 
°C/°F switch
 Under status of unit off, press MODE and "-" buttons simultaneity to switch °C/°F.
- 
Clock display
 Time is shown on 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, it can be automatically switched to stand-by status.
- 
Centralized control
 Starts, stops and regulates the air conditioner 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 which include 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 project efficiency.
- 
Floor Heating Debugging

LIGHT COMMERCIAL AC

U-Match
Duct Split Unit
Rooftop Packaged Unit

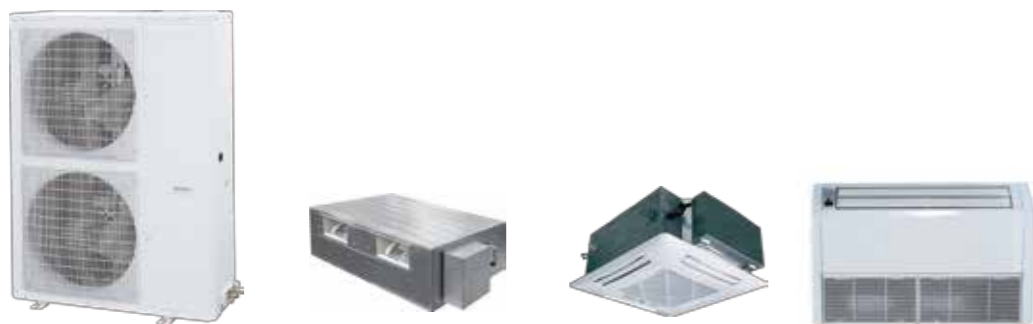




U-Match

High Efficiency Series

It is a kind of split system that the outdoor unit can be freely connected to different types of indoor units according to various indoor decoration requirements.



- Built-in drain pump
- High efficiency
- Intelligent defrosting
- Anti-cold function
- Comprehensive protection
- Compact design
- Easier maintainability

- Double ambient temperature sensor design makes a precision temperature monitoring.
- Low start-up current thanks to power delay control design.
- Higher efficiency thanks to sine wave DC inverter compressor control.
- High reliability and easy maintenance thanks to one piece integrated PCB board.
- Stable cooling under -15°C and heating under -10°C outdoor environment temperature.



Indoor Unit

Duct type	Cassette type	Floor ceiling type
<ul style="list-style-type: none"> • Drain pump fitted as optional with increased lift of 1100mm. • Fresh air inlet and air valve control function improve the indoor air quality. • Flexible air in/outlet and condensing water outlet direction according to different installation requirements. • Optimized air duct design improves the performance and lower the noise. 	<ul style="list-style-type: none"> • Drain pump fitted as standard with increased lift of 1100mm. • Special low noise fan design. • Different swing angle design for cooling and heating mode for better comfort. 	<ul style="list-style-type: none"> • 3-D air flue design. • Easy replacement of motor and fan blade thanks to clamp block propeller design. • Different swing angle design for cooling and heating mode for better comfort.

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	-15~48
Heating	7	6	20	-	-10~24

Indoor Units Lineup

Capacity Index (BTU/h)		9K	12K	18K	24K	30K	
Outdoor Unit	Model	GUHD09NK3FO	GUHD12NK3FO	GUHD18NK3FO	GUHD24NK3FO	GUHD30NK3FO	
	Picture						
Indoor Unit	Duct	Model	GFH09K3FI	GFH12K3FI	GFH18K3FI	GFH24K3FI	GFH30K3FI
		Picture					
	Cassette	Model	---	GKH12K3FI	GKH18K3FI	GKH24K3FI	GKH30K3FI
		Picture	---				
	Floor Ceiling	Model	GTH09K3FI	GTH12K3FI	GTH18K3FI	GTH24K3FI	GTH30K3FI
		Picture					

Capacity Index (BTU/h)		36K		42K		48K		60K	
Outdoor Unit	Model	GUHD36NK3FO	GUHD36NM3FO	GUHD42NK3FO	GUHD42NM3FO	GUHD48NK3FO	GUHD48NM3FO	GUHD60NM3FO	
	Picture								
Indoor Unit	Duct	Model	GFH36K3FI	GFH36K3FI	GFH42K3FI	GFH42K3FI	GFH48K3FI	GFH48K3FI	GFH60K3FI
		Picture							
	Cassette	Model	GKH36K3FI	GKH36K3FI	GKH42K3FI	GKH42K3FI	GKH48K3FI	GKH48K3FI	GKH60K3FI
		Picture							
	Floor Ceiling	Model	GTH36K3FI	GTH36K3FI	GTH42K3FI	GTH42K3FI	GTH48K3FI	GTH48K3FI	GTH60K3FI
		Picture							

Model	Outdoor unit		GUHD09NK3FO			GUHD12NK3FO		
	Indoor unit		Duct GFH09K3FI	Floor Ceiling GTH09K3FI	Duct GFH12K3FI	Cassette GKH12K3FI	Floor Ceiling GTH12K3FI	
Capacity	Cooling	kW	2.7	2.7	3.5	3.5	3.5	
		BTU/h	9212	9212	11942	11942	11942	
	Heating	kW	2.9	2.9	3.8	3.8	3.8	
		BTU/h	9895	9895	12966	12966	12966	
SEER/SCOP		W/W	5.6/3.8	6.1/3.8	5.6/4.0	5.6/4.0	6.1/4.0	
Power supply		Ph/V/Hz	1/220-240/50			1/220-240/50		
Power input	Cooling	kW	0.84	0.84	1.17	1.09	1.09	
	Heating	kW	0.80	0.80	1.05	1.05	1.05	
Current input	Cooling	A	3.9	3.9	5.4	5.0	5.0	
	Heating	A	3.7	3.7	4.9	4.9	4.9	
Refrigerant charge volume		kg	1.2	1.2	1.2	1.2	1.2	
Indoor unit	Air flow volume(SH)		CFM	383	353	441	412	
			m³/h	650	600	750	700	
	ESP	Rated	Pa	25	—	25	—	
		Range	Pa	0-30	—	0-30	—	
	Sound pressure level (SH/HML)		dB(A)	36/34/28/26	31/29/26/24	37/36/34/28	46/45/41/36	35/33/30/27
	Dimension (W×D×H)	Outline	mm	925×665×250	1220×700×225	1037×721×266	596×596×240	1220×700×225
Package		mm	1023×748×320	1343×823×315	1123×798×323	773×733×300	1343×823×315	
Net weight/Gross weight		kg	27/32	38/47	33/38	20/24	39/48	
Panel	Dimension (W×D×H)	Outline	mm	—	—	670×670×50	—	
		Package	mm	—	—	763×763×105	—	
	Net weight/Gross weight		kg	—	—	3.5/5.0	—	
Outdoor unit	Sound pressure level		dB(A)	52			52	
	Dimension (W×D×H)	Outline	mm	848×320×540			848×320×540	
		Package	mm	881×363×595			881×363×595	
	Net weight/Gross weight		kg	34/37			34/37	
Connection pipe	Outer diameter	Liquid	inch(mm)	φ1/4(6.35)			φ1/4(6.35)	
		Gas	inch(mm)	φ3/8(9.52)			φ3/8(9.52)	
	Max.distance	Height/Length	m	15/20			15/20	
Loading quantity	40'GP/40'HQ	set	126/141	96/112	114/131	127/138	96/112	

Model	Outdoor unit		GUHD30NK3FO			GUHD36NK3FO			
	Indoor unit		Duct GFH30K3FI	Cassette GKH30K3FI	Floor Ceiling GTH30K3FI	Duct GFH36K3FI	Cassette GKH36K3FI	Floor Ceiling GTH36K3FI	
Capacity	Cooling	kW	8.3	8.3	8.5	10.0	10.0	10.0	
		BTU/h	28320	28320	29002	34120	34120	34120	
	Heating	kW	9.2	9.2	9.2	12.0	12.0	12.0	
		BTU/h	31390	31390	31390	40944	40944	40944	
SEER/SCOP		W/W	6.1/4.0	6.1/4.0	6.1/4.0	5.6/4.0	6.1/4.0		
Power supply		Ph/V/Hz	1/220-240/50			1/220-240/50			
Power input	Cooling	kW	2.67	2.67	2.67	3.20	3.20	3.20	
	Heating	kW	2.57	2.57	2.57	3.40	3.50	3.40	
Current input	Cooling	A	12.4	12.4	12.4	15.0	15.0	15.0	
	Heating	A	12.0	12.0	12.0	15.5	16.2	15.8	
Refrigerant charge volume		kg	2.4	2.4	2.4	3.5	3.5	3.5	
Indoor unit	Air flow volume(SH)		CFM	824	883	883	1236	1095	
			m³/h	1400	1500	1500	2100	1860	
	ESP	Rated	Pa	37	—	—	37	—	
		Range	Pa	0-75	—	—	0-100	—	
	Sound pressure level (SH/HML)		dB(A)	47/46/44/40	49/48/45/40	49/46/44/38	53/52/48/44	51/49/46/43	54/53/51/46
	Dimension (W×D×H)	Outline	mm	1279×558×268	840×840×320	1420×700×245	1226×775×290	840×840×320	1420×700×245
Package		mm	1348×597×283	963×963×409	1548×828×345	1338×877×305	963×963×409	1548×828×345	
Net weight/Gross weight		kg	34/39	31/38	48/56	46/53	31/38	48/56	
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60	
		Package	mm	—	1028×1043×130	—	—	1028×1043×130	
	Net weight/Gross weight		kg	—	7.0/11	—	—	7.0/11	
Outdoor unit	Sound pressure level		dB(A)	58			63		
	Dimension (W×D×H)	Outline	mm	980×427×790			1107×440×1100		
		Package	mm	1083×488×855			1158×493×1235		
	Net weight/Gross weight		kg	71/76			92/100		
Connection pipe	Outer diameter	Liquid	inch(mm)	φ3/8(9.52)			φ3/8(9.52)		
		Gas	inch(mm)	φ5/8(15.9)			φ5/8(15.9)		
	Max.distance	Height/Length	m	15/30			15/30		
Loading quantity	40'GP/40'HQ	set	76/89	49/69	57/67	45/60	43/50	45/56	


Model	Outdoor unit		GUHD18NK3FO			GUHD24NK3FO			
	Indoor unit		Duct GFH18K3FI	Cassette GKH18K3FI	Floor Ceiling GTH18K3FI	Duct GFH24K3FI	Cassette GKH24K3FI	Floor Ceiling GTH24K3FI	
Capacity	Cooling	kW	5.0	5.0	5.0	7.0	7.0	7.0	
		BTU/h	17060	17060	17060	23884	23884	23884	
	Heating	kW	5.6	5.5	5.6	8.0	8.0	8.0	
		BTU/h	19107	18766	19107	27296	27296	27296	
SEER/SCOP		W/W	5.6/3.8	5.6/3.8	6.1/4.0	6.1/4.0	5.6/4.0		
Power supply		Ph/V/Hz	1/220-240/50			1/220-240/50			
Power input	Cooling	kW	1.55	1.60	1.55	2.18	2.18	2.18	
	Heating	kW	1.55	1.58	1.55	2.21	2.21	2.21	
Current input	Cooling	A	7.5	7.2	7.2	10.1	10.1	10.1	
	Heating	A	7.4	7.6	7.2	10.2	10.2	10.2	
Refrigerant charge volume		kg	1.4	1.4	1.4	2.2	2.2	2.2	
Indoor unit	Air flow volume(SH)		CFM	589	447	589	824	765	
			m³/h	1000	760	1000	1400	1300	
	ESP	Rated	Pa	25	—	—	25	—	
		Range	Pa	0-30	—	—	0-75	—	
	Sound pressure level (SH/HML)		dB(A)	40/39/36/28	47/46/44/37	44/42/38/32	47/46/44/40	47/46/42/38	49/48/46/40
	Dimension (W×D×H)	Outline	mm	1037×721×266	596×596×240	1220×700×225	1279×558×268	840×840×240	1220×700×225
Package		mm	1123×798×323	773×733×300	1343×823×315	1348×597×283	963×963×325	1343×823×315	
Net weight/Gross weight		kg	33/38	20/24	39/48	34/39	26/32	40/50	
Panel	Dimension (W×D×H)	Outline	mm	—	670×670×50	—	—	950×950×60	
		Package	mm	—	763×763×105	—	—	1028×1043×130	
	Net weight/Gross weight		kg	—	3.5/5.0	—	—	7.0/11	
Outdoor unit	Sound pressure level		dB(A)	56			57		
	Dimension (W×D×H)	Outline	mm	955×396×700			980×427×790		
		Package	mm	1029×458×750			1083×488×855		
	Net weight/Gross weight		kg	47/50			67/72		
Connection pipe	Outer diameter	Liquid	inch(mm)	φ1/4(6.35)			φ3/8(9.52)		
		Gas	inch(mm)	φ1/2(12.7)			φ5/8(15.9)		
	Max.distance	Height/Length	m	15/20			15/30		
Loading quantity	40'GP/40'HQ	set	93/95	95/105	89/97	76/89	64/71	70/86	

Model	Outdoor unit		GUHD36NM3FO			GUHD42NK3FO			
	Indoor unit		Duct GFH36K3FI	Cassette GKH36K3FI	Floor Ceiling GTH36K3FI	Duct GFH42K3FI	Cassette GKH42K3FI	Floor Ceiling GTH42K3FI	
Capacity	Cooling	kW	10.0	10.0	10.0	11.5	11.0	11.5	
		BTU/h	34120	34120	34120	39238	37532	39238	
	Heating	kW	12.0	12.0	12.0	13.5	12.5	13.5	
		BTU/h	40944	40944	40944	46062	42650	46062	
SEER/SCOP		W/W	5.1/4.0	6.1/4.0	6.1/4.0	5.6/3.8	5.6/4.0		
Power supply		Ph/V/Hz	3/380-415/50			1/220-240/50			
Power input	Cooling	kW	3.12	3.12	3.12	4.0	3.90	3.90	
	Heating	kW	3.32	3.32	3.32	3.90	3.80	3.70	
Current input	Cooling	A	5.4	5.4	5.4	18.6	18.1	18.1	
	Heating	A	5.8	5.8	5.8	18.1	17.6	17.2	
Refrigerant charge volume		kg	3.5	3.5	3.5	3.7	3.7	3.7	
Indoor unit	Air flow volume(SH)		CFM	1236	1095	1118	1236	1095	
			m³/h	2100	1860	1900	2100	1860	
	ESP	Rated	Pa	37	—	—	37	—	
		Range	Pa	0-100	—	—	0-100	—	
	Sound pressure level (SH/HML)		dB(A)	53/52/48/44	51/49/46/43	54/53/51/46	53/52/48/44	51/49/46/43	55/54/52/47
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1226×775×290	840×840×320	1420×700×245
Package		mm	1338×877×305	963×963×409	1548×828×345	1338×877×305	963×963×409	1548×828×345	
Net weight/Gross weight		kg	46/53	31/38	48/56	46/53	31/38	50/58	
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	—	950×950×60	
		Package	mm	—	1028×1043×130	—	—	1028×1043×130	
	Net weight/Gross weight		kg	—	7.0/11	—	—	7.0/11	
Outdoor unit	Sound pressure level		dB(A)	63			61		
	Dimension (W×D×H)	Outline	mm	1107×440×1100			958×412×1349		
		Package	mm	1158×493×1235			1043×453×1500		
	Net weight/Gross weight		kg	98/106			95/105		
Connection pipe	Outer diameter	Liquid	inch(mm)	φ3/8(9.52)			φ3/8(9.52)		
		Gas	inch(mm)	φ5/8(15.9)			φ5/8(15.9)		
	Max.distance	Height/Length	m	15/30			30/50		
Loading quantity	40'GP/40'HQ	set	45/50	43/50	45/56	52/58	45/48	43/47	

Model	Outdoor unit			GUHD42NM3FO			GUHD48NK3FO		
	Indoor unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling	
			GFH42K3FI	GKH42K3FI	GTH42K3FI	GFH48K3FI	GKH48K3FI	GTH48K3FI	
Capacity	Cooling	kW	11.5	11.0	11.5	14.0	14.0	14.0	
		BTU/h	39238	37532	39238	47768	47768	47768	
	Heating	kW	13.5	12.5	13.5	15.5	16.0	16.0	
		BTU/h	46062	42650	46062	52886	54592	54592	
SEER/SCOP	W/W	5.6/4.0	6.1/4.0	5.6/4.0	6.1/3.8	6.1/3.8	5.6/3.8		
Power supply	Ph/V/Hz	3/380-415/50			1/220-240/50				
Power input	Cooling	kW	4.0	3.9	3.9	4.7	4.6	4.8	
	Heating	kW	3.9	3.8	3.74	4.4	4.5	4.3	
Current input	Cooling	A	6.9	6.7	6.7	21.8	21.3	22.3	
	Heating	A	6.7	6.6	6.5	20.4	20.8	20.0	
Refrigerant charge volume	kg	3.7	3.7	3.7	4.0	4.0	4.0		
Indoor unit	Air flow volume(SH)		CFM	1236	1095	1118	1412	1354	1354
			m³/h	2100	1860	1900	2400	2300	2300
	ESP	Rated	Pa	37	—	—	50	—	—
		Range	Pa	0-100	—	—	0-125	—	—
	Sound pressure level (SH/H/ML)		dB(A)	53/52/48/44	51/49/46/43	55/54/52/47	55/53/49/45	53/52/47/41	56/55/50/46
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1340×750×350	910×910×290	1700×700×245
		Package	mm	1338×877×305	963×963×409	1548×828×345	1423×837×455	1023×993×375	1828×828×345
Net weight/Gross weight	kg	46/53	31/38	50/58	56/65	43/50	59/68		
Panel	Dimension (W×D×H)	Outline	mm	—	950×950×60	—	1040×1040×65	—	
		Package	mm	—	1028×1043×130	—	1137×1137×140	—	
	Net weight/Gross weight	kg	—	7.0/11	—	—	8.0/12	—	
Outdoor unit	Sound pressure level		dB(A)	61			59		
	Dimension (W×D×H)	Outline	mm	958×412×1349			958×412×1349		
		Package	mm	1043×453×1500			1043×453×1500		
	Net weight/Gross weight	kg	108/118			105/115			
Connection pipe	Outer diameter	Liquid	inch(mm)	φ3/8(9.52)			φ3/8(9.52)		
		Gas	inch(mm)	φ5/8(15.9)			φ5/8(15.9)		
	Max.distance	Height/Length	m	30/50			30/50		
Loading quantity	40'GP/40'HQ	set	52/58	45/48	43/47	38/48	43/50	43/47	

Model	Outdoor unit			GUHD48NM3FO			GUHD60NM3FO		
	Indoor unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling	
			GFH48K3FI	GKH48K3FI	GTH48K3FI	GFH60K3FI	GKH60K3FI	GTH60K3FI	
Capacity	Cooling	kW	14.0	14.0	14.0	16.0	16.0	16.0	
		BTU/h	47768	47768	47768	54592	54592	54592	
	Heating	kW	15.5	16.0	16.0	16.5	17.0	17.0	
		BTU/h	52886	54592	54592	56298	58004	58004	
SEER/SCOP	W/W	5.6/3.8	5.6/3.8	5.6/4.0	5.6/3.8	6.1/4.0	5.1/4.0		
Power supply	Ph/V/Hz	3/380-415/50			3/380-415/50				
Power input	Cooling	kW	5.10	5.15	5.0	5.60	5.70	5.75	
	Heating	kW	4.50	4.50	4.50	4.57	4.70	4.70	
Current input	Cooling	A	8.80	8.90	8.60	9.70	9.80	10.0	
	Heating	A	7.80	7.80	7.80	7.90	8.2	8.2	
Refrigerant charge volume	kg	4.0	4.0	4.0	5.0	5.0	5.0		
Indoor unit	Air flow volume(SH)		CFM	1412	1354	1354	1766	1412	1471
			m³/h	2400	2300	2300	3000	2400	2500
	ESP	Rated	Pa	50	—	—	50	—	—
		Range	Pa	0-125	—	—	0-150	—	—
	Sound pressure level (SH/H/ML)		dB(A)	55/53/49/45	53/52/47/41	56/55/50/46	57/56/54/49	55/53/47/41	58/56/52/46
	Dimension (W×D×H)	Outline	mm	1340×750×350	910×910×290	1700×700×245	1340×750×350	910×910×290	1700×700×245
		Package	mm	1423×837×455	1023×993×375	1828×828×345	1423×837×455	1023×993×375	1828×828×345
Net weight/Gross weight	kg	56/65	43/50	59/68	57/69	43/50	59/68		
Panel	Dimension (W×D×H)	Outline	mm	—	1040×1040×65	—	1040×1040×65	—	
		Package	mm	—	1137×1137×140	—	1137×1137×140	—	
	Net weight/Gross weight	kg	—	8.0/12	—	—	8.0/12	—	
Outdoor unit	Sound pressure level		dB(A)	59			63		
	Dimension (W×D×H)	Outline	mm	958×412×1349			1085×427×1365		
		Package	mm	1043×453×1500			1143×478×1505		
	Net weight/Gross weight	kg	114/124			126/138			
Connection pipe	Outer diameter	Liquid	inch(mm)	φ3/8(9.52)			φ3/8(9.52)		
		Gas	inch(mm)	φ5/8(15.9)			φ3/4(19.05)		
	Max.distance	Height/Length	m	30/50			30/50		
Loading quantity	40'GP/40'HQ	set	38/48	43/50	43/47	40/40	38/48	39/42	

Control System Lineup

Controlling system	Product series		High efficiency series		
	Controlling system	Image	Duct type	Cassette type	Floor ceiling type
					
Wireless remote controller	YB1FA				
	YV1FB7F				
	YV1FB7				
	YB1FAF				
	YAM1F				
	YAM1FF				
Wired controller	Z4K351J				
	Z4K351CJ				
Smart zone controller	CE50-24/E				
Other modules	Optoelectronic isolated converter	GD02			
	Optoelectronic isolated signal multiplier	RS485-W			

Note: ● means standard, ○ means optional.

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

U-Match



Fixed Frequency Series(Side-discharge)*

It is a kind of split system that the outdoor unit can be freely connected to different types of indoor units according to various indoor decoration requirements.



- Intelligent defrosting
- Compact design
- Anti-cold function
- Comprehensive protection
- Easier maintainability
- Self diagnosis
- Wide operation range

- Double ambient temperature sensor design makes a precision temperature monitoring.
- The outdoor unit is universal, can be matched with cassette, duct type and floor ceiling unit.



Indoor Unit

Duct type	Cassette type	Floor ceiling type
<ul style="list-style-type: none"> • Flexible air in/outlet and condensing water outlet direction according to different installation requirements. • Optimized air duct design improves the performance and lower the noise. 	<ul style="list-style-type: none"> • Drain pump fitted as standard with increased lift of 1100mm. • Special low noise fan design. • Different swing angle design for cooling and heating mode for better comfort. • All kinds of air freshener can be installed in the filter, such as catechin 	<ul style="list-style-type: none"> • 3-D air flue design. • Easy replacement of motor and fan blade thanks to clamp block propeller design. • Different swing angle design for cooling and heating mode for better comfort.

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°C~43°C
Heating	7	6	20	15	-15°C~24°C

*:All product models of this series are not fit for EU.

Units Lineup

Capacity Index (Btu/h)		18K	24K	30K	36K
Outdoor Unit					
Indoor Unit	Duct				
	Cassette				
	Floor Ceiling				

Capacity Index (Btu/h)		42K	48K	60K
Outdoor Unit				
Indoor Unit	Duct			
	Cassette			
	Floor Ceiling			

Model	Outdoor Unit			GUHN18NK3HO			GUHN24NK3HO		
	Indoor Unit			Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH18K3HI	GKH18K3HI	GTH18K3HI	GFH24K3HI	GKH24K3HI	GTH24K3HI
Capacity	Cooling	W	5000	5000	5500	7000	7000	7200	
		Btu/h	17100	17100	18800	23900	23900	24600	
	Heating	W	5400	5400	5700	7400	7600	8200	
		Btu/h	18400	18400	19400	25200	25900	28000	
EER/C.O.P	W/W	2.50/2.84	2.50/2.84	2.75/2.85	2.80/3.22	2.80/3.30	2.88/3.42		
Power Supply	Ph,V,Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50		
Power Input	Cooling	kW	2	2	2	2.5	2.5		
	Heating	kW	1.9	1.9	2	2.3	2.4		
Current Input	Cooling	A	9.2	9.2	9.2	10.9	11.4		
	Heating	A	8.2	8.6	8.6	9.5	11.1		
Refrigerant charge volume	kg	1.3	1.3	1.3	1.5	1.5	1.5		
Indoor Unit	Air flow volume(SH/H/M/L)	m³/h	720/640/550/420	720/640/580/520	1000/860/750/670	1260/1240/1190/1090	1450/1300/1220/1170	1400/1290/1170/1020	
	ESP	Rated	Pa	25	0	0	25	0	
		Range	Pa	0-30	0	0	0-30	0	
	Sound Pressure Level(SH/H/M/L)	dB(A)	36/33/30/29	50/49/47/46	40/37/35/33	43/38/34/32	49/48/47/46	48/46/44/40	
	Dimension (WxDxH)	Outline	mm	1015×720×275	665×595×240	1200×235×665	1260×555×270	840×840×240	1200×235×665
		Package	mm	1120×795×308	775×735×285	1360×285×767	1345×594×268	960×960×310	1360×285×767
Net Weight/Gross Weight	kg	31/37	20/25	31/38	33/38	27/35	32/39		
Panel	Dimension (WxDxH)	Outline	mm	-	670×670×50	-	950×950×60	-	
		Package	mm	-	760×760×90	-	1030×1035×118	-	
	Net Weight/Gross Weight	kg	-	3.5/5.0	-	-	7/11	-	
Sound Pressure Level	dB(A)	56	56	56	54	54	54		
Outdoor Unit	Dimension (WxDxH)	Outline	mm	955×395×700	955×395×700	955×395×700	955×395×700	955×395×700	
		Package	mm	1026×455×735	1026×455×735	1026×455×735	1026×455×735	1026×455×735	
	Net Weight/Gross Weight	kg	53/58	53/58	53/58	61/66	61/66	61/66	
Connection Pipe	Outlet diameter	Liquid	inch	1/4	1/4	1/4	3/8	3/8	
		Gas	inch	1/2	1/2	1/2	5/8	5/8	
	Max.distance	Height/Length	m	15/25	15/25	15/25	15/30	15/30	
Loading quantity	40'GP/40'HQ	set	84/99	97/108	89/97	102/113	60/67	89/97	




Model	Outdoor Unit			GUHN42NM3HO			GUHN48NM3HO		
	Indoor Unit			Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH42K3HI	GKH42K3HI	GTH42K3HI	GFH48K3HI	GKH48K3HI	GTH48K3HI
Capacity	Cooling	W	12000	12000	12000	14100	14100	14200	
		Btu/h	40900	40900	40900	48100	48100	48500	
	Heating	W	13500	13500	13200	15200	15000	16000	
		Btu/h	46100	46100	45000	51900	51200	54600	
EER/C.O.P	W/W	2.73/3.33	2.86/3.38	2.79/3.22	2.82/3.23	2.94/3.06	2.84/3.40		
Power Supply	Ph,V,Hz	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50		
Power Input	Cooling	kW	4.4	4.2	4.3	5	4.8		
	Heating	kW	4.05	4	4.1	4.7	4.9		
Current Input	Cooling	A	8.5	8	8	10.7	9.3		
	Heating	A	8.2	7.8	7.8	10.4	9.5		
Refrigerant charge volume	kg	3.3	3.3	3.3	3.7	3.7	3.7		
Indoor Unit	Air flow volume(SH/H/M/L)	m³/h	2100/1890/1765/1645	1650/1610/1500/1300	1650/1550/1450/1350	2300/2145/1855/1755	1650/1610/1500/1300	2400/2300/2200/2030	
	ESP	Rated	Pa	37	0	0	50	0	
		Range	Pa	0-75	0	0	0-100	0	
	Sound Pressure Level(SH/H/M/L)	dB(A)	51/48/46/44	52/47/46/43	52/51/50/49	53/52/50/50	52/47/46/43	56/55/53/52	
	Dimension (WxDxH)	Outline	mm	1230×790×290	840×840×320	1200×235×665	1230×790×290	840×840×320	1570×235×665
		Package	mm	1335×834×290	960×960×394	1360×285×767	1335×834×290	960×960×394	1726×285×767
Net Weight/Gross Weight	kg	46/52	32/41	38/45	53/60	33/42	46/53		
Panel	Dimension (WxDxH)	Outline	mm	-	950×950×60	-	950×950×60	-	
		Package	mm	-	1030×1035×118	-	1030×1035×118	-	
	Net Weight/Gross Weight	kg	-	7/11	-	-	7/11	-	
Sound Pressure Level	dB(A)	60	60	60	60	60	60		
Outdoor Unit	Dimension (WxDxH)	Outline	mm	1120×440×1100	1120×440×1100	1120×440×1100	1120×440×1100	1120×440×1100	
		Package	mm	1155×480×1115	1155×480×1115	1155×480×1115	1155×480×1115	1155×480×1115	
	Net Weight/Gross Weight	kg	100/112	100/112	100/112	103/115	103/115	103/115	
Connection Pipe	Outlet diameter	Liquid	inch	1/2	1/2	1/2	1/2	1/2	
		Gas	inch	3/4	3/4	3/4	3/4	3/4	
	Max.distance	Height/Length	m	30/50	30/50	30/50	30/50	30/50	
Loading quantity	40'GP/40'HQ	set	48/61	40/50	48/63	48/61	40/50	44/58	

Model	Outdoor Unit			GUHN30NK3HO			GUHN36NM3HO		
	Indoor Unit			Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH30K3HI	GKH30K3HI	GTH30K3HI	GFH36K3HI	GKH36K3HI	GTH36K3HI
Capacity	Cooling	W	8300	8500	8500	10000	10000	10600	
		Btu/h	28300	29000	29000	34100	34100	36200	
	Heating	W	8800	9000	9800	11500	11500	11800	
		Btu/h	30000	30700	33400	39200	39200	40300	
EER/C.O.P	W/W	2.96/3.26	3.15/3.46	3.04/3.50	2.78/3.48	2.86/3.48	2.94/3.28		
Power Supply	Ph,V,Hz	1/220-240/50	1/220-240/50	1/220-240/50	3/380-415/50	3/380-415/50	3/380-415/50		
Power Input	Cooling	kW	2.8	2.7	2.8	3.6	3.5		
	Heating	kW	2.7	2.6	2.8	3.3	3.3		
Current Input	Cooling	A	11.5	11	11.8	8	8		
	Heating	A	11	10	12.5	7.5	7.5		
Refrigerant charge volume	kg	1.8	1.8	1.8	2.2	2.2	2.2		
Indoor Unit	Air flow volume(SH/H/M/L)	m³/h	1400/1360/1310/1210	1500/1450/1400/1370	1500/1390/1270/1110	2100/1895/1765/1655	1650/1610/1500/1300	1600/1430/1340/1270	
	ESP	Rated	Pa	37	0	0	37	0	
		Range	Pa	0-50	0	0	0-75	0	
	Sound Pressure Level(SH/H/M/L)	dB(A)	48/46/45/44	51/50/49/48	50/48/46/43	51/48/46/44	52/47/46/43	52/51/50/49	
	Dimension (WxDxH)	Outline	mm	1260×555×270	840×840×240	1200×235×665	1230×790×290	840×840×320	1200×235×665
		Package	mm	1345×594×268	960×960×310	1360×285×767	1335×834×290	960×960×394	1360×285×767
Net Weight/Gross Weight	kg	34/39	27/35	32/39	46/52	32/41	36/43		
Panel	Dimension (WxDxH)	Outline	mm	-	950×950×60	-	950×950×60	-	
		Package	mm	-	1030×1035×118	-	1030×1035×118	-	
	Net Weight/Gross Weight	kg	-	7/11	-	-	7/11	-	
Sound Pressure Level	dB(A)	59	59	59	60	60	60		
Outdoor Unit	Dimension (WxDxH)	Outline	mm	980×425×790	980×425×790	980×425×790	980×425×790	980×425×790	
		Package	mm	1080×485×860	1080×485×860	1080×485×860	1080×485×860	1080×485×860	
	Net Weight/Gross Weight	kg	69/74	69/74	69/74	69/74	69/74		
Connection Pipe	Outlet diameter	Liquid	inch	3/8	3/8	3/8	3/8	3/8	
		Gas	inch	5/8	5/8	5/8	3/4	3/4	
	Max.distance	Height/Length	m	15/30	15/30	15/30	15/30	15/30	
Loading quantity	40'GP/40'HQ	set	80/96	56/61	74/87	65/80	51/56	74/87	

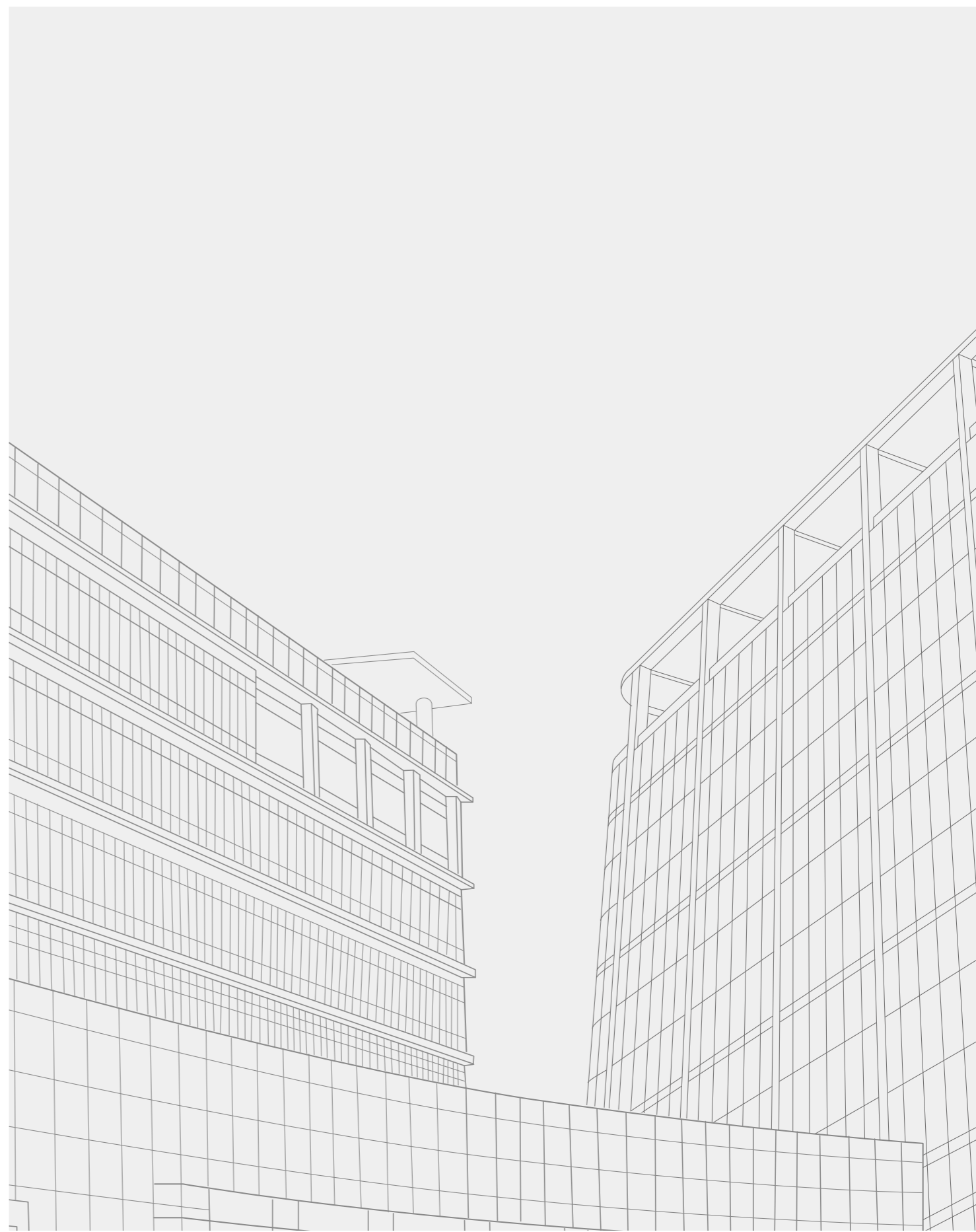
Model	Outdoor Unit			GUHN60NM3HO		
	Indoor Unit			Duct	Cassette	Floor Ceiling
				GFH60K3HI	GKH60K3HI	GTH60K3HI
Capacity	Cooling	W	16000	15000	15800	
		Btu/h	54600	51200	53900	
	Heating	W	18000	16800	18200	
		Btu/h	61400	57300	62100	
EER/C.O.P	W/W	2.86/3.27	2.83/3.23	2.87/3.34		
Power Supply	Ph,V,Hz	3/380-415/50	3/380-415/50	3/380-415/50		
Power Input	Cooling	kW	5.6	5.3	5.5	
Heating	kW	1.9	5.5	5.2		
Current Input	Cooling	A	11.6	10.5	10.7	
Heating	A	8.2	11.3	10.3		
Refrigerant charge volume	kg	4.1	4.1	4.1		
Indoor Unit	Air flow volume(SH/H/M/L)	m³/h	2500/2445/2155/2055	1800/1750/1650/1450	2400/2300/2200/2100	
	ESP	Rated	Pa	50	0	
		Range	Pa	0-100	0	
	Sound Pressure Level(SH/H/M/L)	dB(A)	56/52/49/49	53/51/49/47	56/55/53/52	
	Dimension (WxDxH)	Outline	mm	1235×830×330	840×840×290	1570×235×665
		Package	mm	1335×882×330	960×960×364	1726×285×767
Net Weight/Gross Weight	kg	56/64	37/46	-		
Panel	Dimension (WxDxH)	Outline	mm	950×950×60	-	
		Package	mm	1030×1035×118	-	
	Net Weight/Gross Weight	kg	-	7/11	-	
Sound Pressure Level	dB(A)	61	61	61		
Outdoor Unit	Dimension (WxDxH)	Outline	mm	980×410×1350	980×410×1350	
		Package	mm	1024×440×1380	1024×440×1380	
	Net Weight/Gross Weight	kg	118/129	118/129		
Connection Pipe	Outlet diameter	Liquid	inch	1/2	1/2	
		Gas	inch	3/4	3/4	
	Max.distance	Height/Length	m	30/50	30/50	
Loading quantity	40'GP/40'HQ	set	48/56	46/54	45/51	

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

Control System Lineup

Controlling System	Model	Outlook	Duct	Cassette	Floor Ceiling
Wired Controller	Z4K351J		●	○	○
Wireless Remote Controller	YB1FA		○	●	●
Smart Zone Controller	CE50-24/E		○	○	○

Note:
 ● means standard, ○ means optional.



Duct Split Unit



Inverter Series(High Capacity)

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



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

Intelligent defrosting

Compact design

Anti-cold function

Comprehensive protection

Easier maintainability

Self-diagnosis

Wide operation range

- All Dc inverter for high efficiency and energy saving.
- High static units for longer ducted runs.
- ESP reach up to 250Pa high.
- Static pressure is adjustable.
- Long-distance control is optional, with intelligent filter cleaning reminding function.
- Indoor fan can be adjusted according to the static pressure of air duct installed by customers.

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

Model	Heat pump		FGR20Pd/D-X**	FGR25Pd/DNa-X**	FGR30Pd/DNa-X**	FGR40Pd/D(2)Na-X**	
Capacity	Cooling	kW	20	25	30	40	
		BTU/h	68200	85303	102364	136486	
	Heating	kW	23	28	34	43	
BTU/h		78479	95540	116013	146722		
EER/COP		W/W	2.70/3.15	2.70/3.15	2.70/3.15	2.70/3.15	
Power supply		Ph/V/Hz	3/380-415/(50/60)	3/380-415/(50/60)	3/380-415/(50/60)	3/380-415/(50/60)	
Power input	Cooling	kW	7.4	9.3	11.1	14.8	
	Heating	kW	7.3	8.9	10.8	13.7	
Current input	Cooling	A	14.5	18.2	21.7	29	
	Heating	A	14.3	17.4	21.2	26.8	
Refrigerant charge volume		kg	5.5	7.1	9.5	11	
Indoor unit	Air flow volume	CFM	2236	2590	3178	4120	
		m ³ /h	3800	4400	5400	7000	
	ESP	Rated	Pa	120	120	120	120
		Range	Pa	0-250	0-250	0-250	0-250
	Sound pressure level	dB (A)	53	54	55	56	
	Dimension (W×D×H)	Outline	mm	1460×790×365	1690×870×440	1690×870×440	1680×900×600
Package		mm	1575×880×385	1785×985×450	1785×985×450	1800×1020×620	
Net weight /Gross weight		kg	82/104	99/134	105/140	175/210	
Outdoor unit	Sound pressure level	dB (A)	62	64	65	66	
	Dimension (W×D×H)	Outline	mm	940×320×1430	940×460×1615	940×460×1615	940×320×1430
		Package	mm	1020×420×1460	1020×560×1645	1020×560×1645	1020×420×1460
	Net weight /Gross weight		kg	115/126	146/162	165/182	230/252
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ3/8(9.52)
		Gas	inch(mm)	Φ3/4(19.05)	Φ7/8(22)	Φ1(25.4)	Φ3/4(19.05)
	Max. distance	Height	m	40	40	40	40
		Length	m	70	70	70	70
Loading quantity	20'GP	set	28	22	22	14	
	40'GP/40'HQ	set	56/56	44/44	44/44	28/28	

Note:1.This product model is under development.Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

Control System Lineup

Controlling system	Model	Outlook	Duct Split Unit
Wired Controller	XK100		●
Wireless Remote Controller	YAP1F		○
Smart Zone Controller	CE53-24/F (C)		○
BMS Accessories	Communication module(modbus)	ME30-24/E4(M)	○
Other modules	Optoelectronic isolated converter	ME40-00/B	○

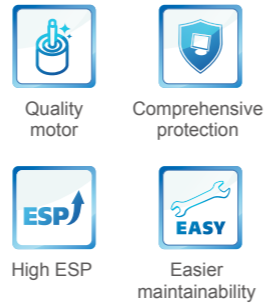
Note:● means standard,○ means optional.Smart zone controller should be chosen with wired remoted controller at the same time.



Duct Split 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.



- Dual temperature sensor.
- Anticorrosion heat exchanger, easy cleaning and less performance decline after years operation.
- Optimized air flue design greatly improves the fan efficiency and largely lowers the operation noise.
- Five directions pipe connection connector to meet various installation environments (top discharge ODU only).
- Flexible air inlet/outlet direction and condensing water outlet direction, meet various installation environments.

Item	Nominal operating condition (temperature)				Operating range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	DB (°C)
Cooling	35	24	27	19	-15~43
Heating	7	6	20	15	-7~24

Model	Heat pump	FGR20/BNa-M	FGR25/CNa-M	FGR30/BNa-M	FGR40/BNa-M	
Capacity	Cooling	kW: 20 BTU/h: 68200	24.5 83597	30 102364	39.5 134780	
	Heating	kW: 22 BTU/h: 75067	27.5 93834	33 112601	42 143310	
EER/COP	W/W	2.38/3.14	2.5/3.06	2.4/3.14	2.50/3.00	
Power supply	Ph/V/Hz	3/380-415/50				
Power input	Cooling	8.4	9.8	12.1	15.8	
	Heating	7.0	9.0	10.5	14.0	
Current input	Cooling	15.3	22.2	23.4	30	
	Heating	13.2	21.2	22.6	26.6	
Refrigerant charge volume	kg	5.3	6.7	9.5	12	
Indoor unit	Air flow volume		CFM: 2354 m ³ /h: 4000	2825 4800	3237 5500	4120 7000
	ESP	Rated	200	110	110	150
		Range	Pa: 100-300	30-250	50-250	50-300
	Sound pressure level		dB (A): 56	54	57	58
	Dimension (W×D×H)		mm: 1463×799×389	1500×1000×500	1500×1000×500	1700×1100×650
	Package		mm: 1546×886×485	1840×1230×688	1840×1230×688	1893×1463×850
Net weight/Gross weight		kg: 86/109	150/200	156/206	215/265	
Outdoor unit	Sound pressure level		dB (A): 65	66	67	69
	Dimension (W×D×H)		mm: 1150×360×1350	1150×360×1600	990×880×1772	1290×880×1772
	Package		mm: 1320×505×1490	1320×505×1745	1165×983×1965	1373×983×1965
	Net weight/Gross weight		kg: 158/174	185/200	227/248	293/316
Connection pipe	Outer diameter	Liquid	inch(mm): φ3/8(9.52)	φ3/8(9.52)	φ1/2(12.7)	φ5/8(15.9)
		Gas	inch(mm): φ3/4(19.05)	φ1(25.4)	φ9/8(28.6)	φ9/8(28.6)
	Max. distance	Height	m: 30	30	30	30
		Length	m: 50	50	50	50
Loading quantity	20'GP	set: 17	13	13	8	
	40'GP/40HQ	set: 36/36	28/38	28/38	16/16	

*:All product models of this series are not fit for EU.

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

Control System Lineup

Controlling system		Product series	High capacity series
Wireless remote controller	YB1F2		○
Wired controller	Z4E351A(TO)		●
Long-distance monitoring software	Gree AC Eudemon 2009*	FE30-00/A(M)	○
BMS accessories	Communication module (modbus)	ME30-00/E2	○
Centralized controller	Smart zone controller	CE50-24/E	○
Other modules	Optoelectronic isolated converter	GD02	○
	Optoelectronic isolated signal multiplier	RS485-W	○

Note:

● means standard, ○ means optional.

* If Long-distance monitoring software Gree Eude mon 2009 is selected,the communication module ME30-00/E2 shall be selected also. The quantity of the module shall be confirm according to the quantity of outdoor units.

Rooftop Packaged Unit



It is a kind of packaged air conditioner that can be installed either on ground or roof and widely used in villas, hotels, schools, supermarkets and factories.



5RT



8RT



15RT

<p>Golden fin condenser Anti-corrosive performance of golden fin is 3 times better than normal Fin.</p>	<p>Inner groove copper Special thickened inner groove copper tube enhances heat exchanging performance.</p>	<p>Wide voltage range The unit can operate in a wide range of voltage, greatly reducing the impact of voltage fluctuation.</p>
<p>High efficiency The air conditioner is designed to high energy efficiency and to realize power saving.</p>	<p>Turbo function To run with strong power and make you feel comfortable(cool or warm) quickly.</p>	<p>Comprehensive protection The unit is designed with various of protection functions to ensure the reliability.</p>
<p>Intelligent defrosting It performs defrosting intelligently when necessary, thus improving heating efficiency and saving energy.</p>	<p>Memory function Unit is able to remember the operations before power failure and automatically returns to those operations when power restored.</p>	<p>Multi fan speed The fan can operate with multi speeds and satisfy different air flow volume requirement.</p>
<p>Energy saving function When this function is activated, the temperature setting is only in limited range, so as to save energy.</p>	<p>Compact design Unit is designed with smaller dimension, which is easy to install and transport, and saves the cost.</p>	<p>Easier maintainability The unit is designed to be easier for maintenance and component replacement.</p>

- All DC inverter is adopted for high efficiency.
- Dual-compressor control: in low-load condition, only one compressor will operate; compressors can take turns to operate (applicable to 8RT and 15RT models).
- Detachable filter, easy for cleaning.
- Filter cleaning reminding function.
- I-demand function: it is used to control the total power within 75% of the rated power.
- Cooling of drive module adopts refrigerant cooling technology, which is more reliable (applicable to 8RT and 15RT models).

Item	Nominal operating condition (temperature)				Operating 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
Heating	7	6	20	15	-15~24

Model			GK-H05TH3AX*1	GK-H08TH3AX*1	GK-H15TH3AX*1
Capacity	Cooling	kW	15.5 (7~18.15)	25.8 (9~36)	40 (14.6~52)
	Heating	kW	17.5 (4.4~22)	25.8(9~34)	47(14.6~60)
EER/COP		W/W	3.41/3.5	3.3/3.13	3.2/3.48
Power supply		Ph/V/Hz	3Ph/380~415V/50Hz/60Hz	3Ph/380~415V/50Hz/60Hz	3Ph/380~415V/50Hz/60Hz
Power input	Cooling	kW	4.55	7.8	12.5
	Heating	kW	5	8	13.5
Current input	Cooling	A	8.2	13.6	20.5
	Heating	A	8.9	14	22.5
Refrigerant charge volume		kg	5	16	21
Dehumidifying volume			2.4	7.6	15.6
Air flow volume		CFM	1677	2707	4942
		m ³ /h	2850	4600	8400
ESP	Rated	Pa	50	70	100
	Range	Pa	0~75	0~120	0~150
Sound pressure level		dB (A)	63	69	71
Condensation water pipe		inch	1	1	1
		mm	25.4	25.4	25.4
Dimension (W×D×H)	Outline	mm	1750×1100×815	2110×1450×1230	2810×2240×1230
	Package	mm	1760×1110×850	2120×1460×1260	2820×2250×1260
Net weight /Gross weight		kg	300	527	900
Loading quantity	40'GP/40'HQ	set	26/39	8/16	4/8

Note:1.This product model is under development.Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

Control System Lineup

Controlling system	Model	Outlook	Rooftop Packaged Unit
Wired Controller	Z4K351J		●
Wireless Remote Controller	YB1FA		○

Note:● means standard,○ means optional.

MULTI-VRF

Free Match 4

Super Free-Match

GMV5

GMV5 HR

GMV5 Home

GMV Water

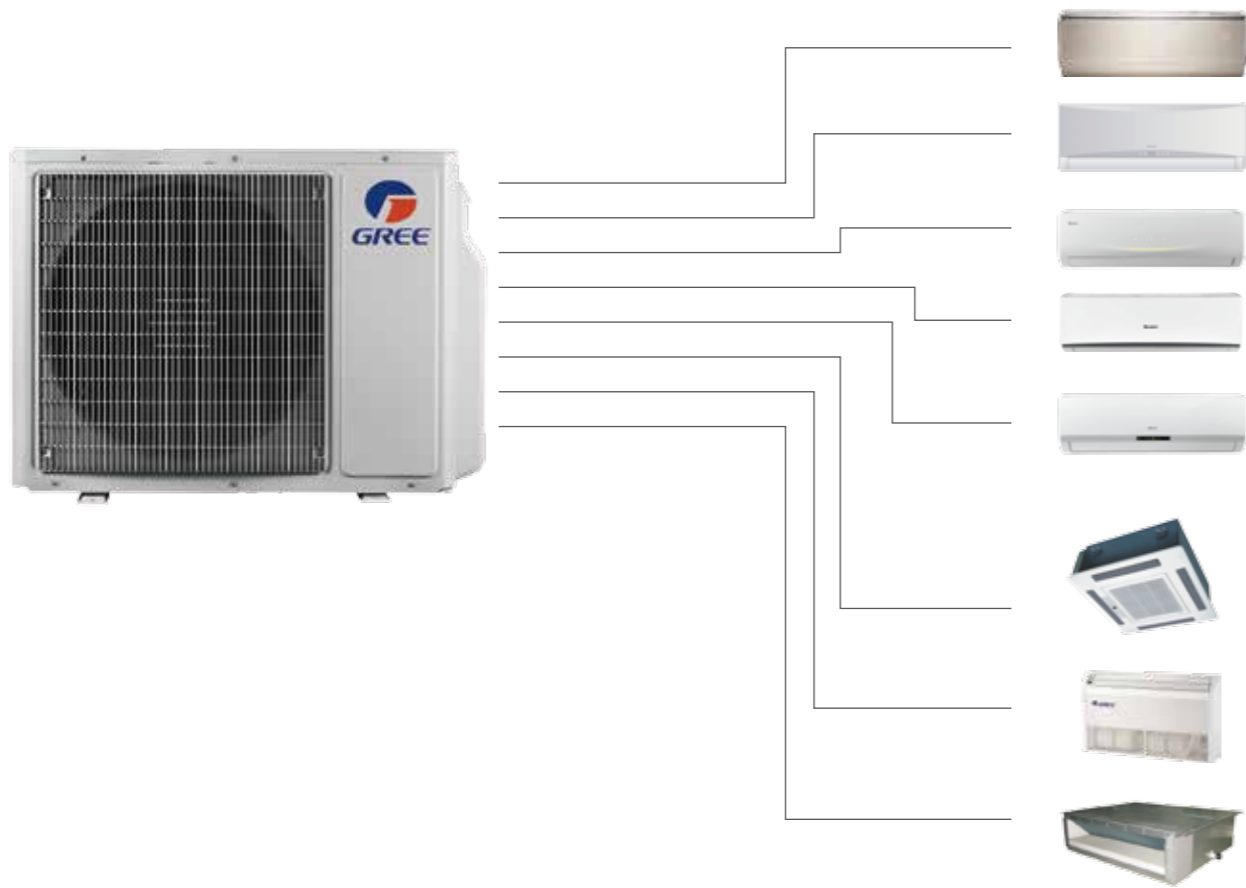
Energy Recovery Ventilation(ERV)

Control System Lineup



Free-match 4

Capacity range from 14K Btu/h to 42K Btu/h can be widely used in residential house, hotel, business office and especially applicable in variable loading situation.



- High efficiency
- Intelligent Defrosting
- Comprehensive protection
- Compact design
- Easier maintainability
- Inner groove copper
- 'Turbo' Button
- Self-Diagnosis
- Low voltage startup
- Timer
- Lock
- Wide operation range
- Memory function
- Wide voltage range
- Centralized control
- Weekly timer
- Long-distance monitoring

Features: ○ Standard ● Optional

Capacity Index(Btu/h)		7000	9000	12000	18000	21000	24000
Wall mounted Type	U-Crown						
	Hansol						
	Viola						
	Lomo						
	Cozy						
Duct type							
Cassette type							
Floor ceiling type							

- Free Match 4 has no 0.5W standby function, while it has electric heating belt;
- Capacity range from 14 to 42Btu/h can be widely used in residential house, hotel, business office and especially applicable in variable loading situation.

Control system lineup

Product series		Wall mounted type					Duct type	Cassette type	Floor ceiling type	Console type
		U-Crown	Hansol	Lomo	Cozy	Viola				
Wireless remote controller	SAA1FB1	●								
	YAG1FB		●							
	YAN1F1			●						
	YB1FA(X-Fan)				●					
	YAA1FB1								●	
	YT1F(moto)					●	●	●	●	
Wired controller	XK41/XK47	●							●	
	XK76	●				●	●	●	●	
	XK19					●	●	●	●	
Centralized controller	CE50-24/E	●				●	●	●	●	

Features: ● Standard ○ Optional

Item	Nominal operating condition(temperature)				Operation range(temperature)
	Outdoor condition		Indoor condition		Outdoor condition Free Match 4
	DB(°C)	WB(°C)	DB(°C)	WB(°C)	DB(°C)
Cooling	35	24	27	19	-15~43
Heating	7	6	20	15	-20~24

8 combinations

GWHD(14)NK3DO	One unit			Two units		
	7k	7k+7k	7k+9k	7k	7k+7k	7k+9k
	9k	7k+12k	9k+9k	12k	9k+12k	-

10 combinations

GWHD(18)NK3KO	One unit			Two units		
	7k	7k+7k	7k+9k	7k	7k+7k	7k+9k
	9k	7k+12k	7k+18k	12k	9k+9k	9k+12k

18 combinations

GWHD(21)NK3KO	Two units			Three units		
	7k+7k	7k+9k	7k+7k+7k	7k+7k+9k	7k+7k+12k	7k+9k+9k
	7k+12k	7k+18k	7k+9k+12k	7k+12k+12k	9k+9k	9k+12k
9k+9k	9k+12k	7k+9k+18k	7k+12k+12k	9k+18k	12k+12k	
9k+18k	12k+12k	9k+9k+9k	9k+9k+12k	12k+18k	-	
12k+18k	-	12k+12k+12k	-	-	-	

23 combinations

GWHD(24)NK3MO	Two units			Three units		
	7k+7k	7k+9k	7k+7k+7k	7k+7k+9k	7k+7k+12k	7k+9k+12k
	7k+12k	7k+18k	7k+9k+9k	7k+12k+12k	9k+9k	9k+12k
9k+9k	9k+12k	7k+9k+18k	7k+12k+12k	9k+18k	12k+12k	
9k+18k	12k+12k	9k+9k+9k	9k+9k+12k	-	-	
12k+18k	18k+18k	9k+9k+18k	9k+12k+12k	-	-	
-	-	12k+12k+12k	-	-	-	
-	-	12k+12k+18k	-	-	-	

40 combinations

GWHD(28)NK3KO	Two units			Three units			Four units		
	7k+7k	7k+9k	7k+7k+7k	7k+7k+9k	7k+7k+7k+7k	7k+7k+9k+9k	7k+7k+12k	7k+7k+12k+12k	7k+9k+12k
	7k+12k	7k+18k	7k+7k+12k	7k+7k+18k	7k+7k+7k+12k	7k+7k+9k+12k	7k+7k+12k+12k	9k+9k	9k+12k
9k+9k	9k+12k	7k+9k+9k	7k+9k+12k	7k+7k+9k+9k	7k+7k+9k+12k	7k+7k+12k+12k	9k+18k	12k+12k	12k+18k
9k+18k	12k+12k	7k+9k+18k	7k+12k+12k	7k+7k+9k+18k	7k+7k+12k+12k	7k+7k+12k+12k	9k+9k	9k+9k+9k	9k+9k+12k
12k+18k	18k+18k	7k+12k+18k	9k+9k+9k	7k+9k+9k+9k	7k+9k+9k+12k	7k+9k+9k+12k	-	-	-
-	-	9k+9k+12k	9k+9k+18k	7k+9k+12k+12k	9k+9k+9k+9k	9k+9k+9k+9k	-	-	-
-	-	9k+12k+12k	9k+12k+18k	9k+9k+9k+12k	9k+9k+12k+12k	9k+9k+12k+12k	-	-	-
-	-	12k+12k+12k	12k+12k+18k	12k+12k+18k	-	-	-	-	-

97 combinations

GWHD(36)NK3BO	Two units			Three units			Four units		
	7k+12k	18k+18k	7k+7k+7k	7k+12k+21k	9k+12k+21k	7k+7k+7k+7k	7k+7k+12k+21k	7k+12k+12k+18k	7k+18k
	7k+18k	18k+21k	7k+7k+9k	7k+12k+24k	9k+12k+24k	7k+7k+7k+9k	7k+7k+12k+24k	9k+9k+9k+9k	7k+21k
7k+21k	18k+24k	7k+7k+12k	7k+18k+18k	9k+18k+18k	7k+7k+7k+12k	7k+7k+18k+18k	9k+9k+9k+12k	9k+12k	9k+18k
7k+24k	21k+21k	7k+7k+18k	7k+18k+21k	9k+18k+21k	7k+7k+7k+18k	7k+7k+9k+9k	9k+9k+9k+18k	9k+12k	9k+18k
9k+9k	21k+24k	7k+7k+21k	7k+18k+24k	9k+18k+24k	7k+7k+7k+21k	7k+9k+9k+12k	9k+9k+9k+21k	9k+12k	9k+18k
9k+12k	24k+24k	7k+7k+24k	7k+21k+21k	9k+21k+21k	7k+7k+7k+24k	7k+9k+9k+18k	9k+9k+9k+24k	9k+12k	9k+18k
9k+18k	-	7k+9k+9k	9k+9k+9k	12k+12k+12k	7k+7k+9k+9k	7k+9k+9k+21k	9k+9k+12k+12k	9k+12k	9k+18k
9k+21k	-	7k+9k+12k	9k+9k+12k	12k+12k+18k	7k+7k+9k+12k	7k+9k+9k+24k	9k+9k+12k+18k	9k+12k	9k+18k
9k+24k	-	7k+9k+18k	9k+9k+18k	12k+12k+21k	7k+7k+9k+18k	7k+9k+12k+12k	9k+9k+18k+18k	9k+12k	9k+18k
12k+12k	-	7k+9k+21k	9k+9k+21k	12k+12k+24k	7k+7k+9k+21k	7k+9k+12k+18k	9k+9k+12k+12k	9k+12k	9k+18k
12k+18k	-	7k+9k+24k	9k+9k+24k	12k+18k+18k	7k+7k+9k+24k	7k+9k+12k+21k	9k+12k+12k+12k	9k+12k	9k+18k
12k+21k	-	7k+12k+12k	9k+12k+12k	12k+18k+21k	7k+7k+12k+12k	7k+9k+18k+18k	9k+12k+12k+18k	9k+12k	9k+18k
12k+24k	-	7k+12k+18k	9k+12k+18k	12k+18k+24k	7k+7k+12k+18k	7k+12k+12k+12k	9k+12k+12k+12k	9k+12k	9k+18k

155 combinations

GWHD(42)NK3AO	Two units		Three units		Four units			Five units	
	7k+18k	7k+7k+7k	7k+21k+21k	12k+12k+12k	7k+7k+7k+7k	7k+7k+18k+24k	-	-	7k+7k+7k+7k+7k
	7k+21k	7k+7k+9k	7k+21k+24k	12k+12k+18k	7k+7k+7k+9k	7k+9k+9k+9k	-	9k+9k+9k+9k	7k+7k+7k+7k+9k
	7k+24k	7k+7k+12k	7k+24k+24k	12k+12k+21k	7k+7k+7k+12k	7k+9k+9k+12k	-	9k+9k+9k+12k	7k+7k+7k+7k+12k
	9k+12k	7k+7k+18k	9k+9k+9	12k+12k+24k	7k+7k+7k+18k	7k+9k+9k+18k	7k+12k+18k+21k	9k+9k+9k+18k	7k+7k+7k+7k+18k
	9k+18k	7k+7k+21k	9k+9k+12k	12k+18k+18k	7k+7k+7k+21k	7k+9k+9k+21k	7k+12k+18k+24k	9k+9k+9k+21k	7k+7k+7k+7k+21k
	9k+21k	7k+7k+24k	9k+9k+18k	12k+18k+21k	7k+7k+7k+24k	7k+9k+9k+24k	7k+12k+21k+21k	9k+9k+9k+24k	7k+7k+7k+7k+24k
	9k+24k	7k+9k+9k	9k+9k+21k	12k+18k+24k	7k+7k+9k+9k	7k+9k+12k+12k	7k+18k+18k+18k	9k+9k+12k+12k	7k+7k+7k+9k+9k
	12k+12k	7k+9k+12k	9k+9k+24k	12k+21k+21k	7k+7k+9k+9k	7k+9k+12k+18k	-	9k+9k+12k+18k	7k+7k+7k+9k+12k
	12k+18k	7k+9k+18k	9k+12k+12k	12k+21k+24k	7k+7k+9k+12k	7k+9k+12k+21k	-	9k+9k+12k+21k	7k+7k+7k+9k+18k
	12k+21k	7k+9k+21k	9k+12k+18k	12k+24k+24k	7k+7k+9k+18k	7k+9k+12k+24k	-	9k+9k+12k+24k	7k+7k+7k+9k+21k
	12k+24k	7k+9k+24k	9k+12k+21k	18k+18k+18k	7k+7k+9k+21k	7k+9k+18k+18k	-	9k+9k+18k+18k	7k+7k+7k+9k+24k
	18k+18k	7k+12k+12k	9k+12k+24k	18k+18k+21k	7k+7k+9k+24k	7k+9k+18k+21k	-	9k+12k+12k+12k	7k+7k+7k+12k+12k
	18k+21k	7k+12k+18k	9k+18k+18k	18k+18k+24k	7k+7k+12k+12k	7k+12k+12k+12k	-	9k+12k+12k+18k	7k+7k+7k+12k+18k
	18k+24k	7k+12k+21k	9k+18k+21k	18k+21k+21k	7k+7k+12k+18k	7k+12k+12k+18k	-	9k+12k+12k+21k	7k+7k+7k+12k+21k
	21k+21k	7k+12k+24k	9k+18k+24k	-	7k+7k+12k+21k	7k+12k+12k+21k	-	12k+12k+12k+12k	7k+7k+9k+9k+9k
	21k+24k	7k+18k+18k	9k+21k+21k	-	7k+7k+12k+24k	7k+12k+12k+24k	-	12k+12k+12k+18k	7k+7k+9k+9k+12k
	24k+24k	7k+18k+21k	9k+21k+24k	-	7k+7k+18k+18k	7k+12k+18k+18k	-	-	7k+7k+9k+9k+18k
	-	7k+18k+24k	7k+24k+24k	-	7k+7k+18k+21k	-	9k+9k+18k+21k	-	7k+7k+9k+9k+21k
	-	-	-	-	-	-	-	-	9k+9k+12k+12k+12k

Outdoor Unit

Model		GWHD(14)NK3DO	GWHD(18)NK3KO	GWHD(21)NK3KO	GWHD(24)NK3KO	GWHD(28)NK3KO	GWHD(36)NK3BO	GWHD(42)NK3AO		
Capacity	Cooling	Btu/h	14000	18000	21000	24000	28000	35826	41285	
	Heating	Btu/h	15000	18400	22000	29000	31800	37532	44400	
SEER		W/W	6.1	6.3	6.1	6.1	6.1	5.5	3.37	
Power supply		Ph, V, Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	
Power Input	Cooling	kW	1.2	1.45	1.91	2.18	2.54	3.5	3.59	
	Heating	kW	1.18	1.45	1.73	2.28	2.49	3.75	3.54	
Refrigerant charge volume		kg	1.4	1.6	2.2	2.2	2.4	4.3	4.8	
Air Pressure Level		m³/h	2600	3200	3200	4000	4000	5200	5500	
Sound pressure level		dB(A)	55	56	56	58	58	57	54	
"Dimension (W×D×H)"	Outline	mm	899×596×378	955×396×700	955×396×700	980×790×427	980×790×427	1015×440×1103	1015×440×1103	
	Package	mm	948×645×420	1029×750×458	1029×750×458	1083×488×855	1083×488×855	1158×493×1235	1158×493×1235	
Net weight/Gross weight		kg	43/46	51/55.5	62/66.5	68/73	69/74	94/104	102/112	
Connecting pipe diameter	Gas	inch(mm)	3/8(φ9.52)	3/8(φ9.52)	3/8(φ9.52)	3/8(φ9.52)	3/8(φ9.52)	3/8(φ12)	1/2(φ12)	
	WxHxD	inch(mm)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	
Max. equivalent connection pipe length		m	10	10	20	20	20	20	25	
Maximum drive IDU NO.		unit	2	2	3	3	4	4	5	
Loading quantity		40'GP/40'HQ	sets	204/272	171/171	171/171	96/144	96/144	48/96	48/96

U-Crown

Model		GWHD09UB-K3DNA4F	GWHD12UB-K3DNA4F	GWHD18UC-K3DNA4F	
Capacity	Cooling	Btu/h	9000	12000	18000
	Heating	Btu/h	10200	12300	18000
Power supply		Ph/V/Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Airflow Volume	SH/HM/M/SL	m³/h	650/530/470/400/350/300/290	720/550/490/420/370/320/290	850/750/650/600/500/400/340
	FM/SH/HM/M/SL	m³/h	383/312/277/235/200/177/171	424/324/288/247/218/188/171	500/440/383/353/294/235/200
Sound Pressure Level (SH/HM/M/SL)		dB(A)	41/37/35/33/30/22/19	43/38/36/34/31/23/20	46/42/40/36/33/25/22
Connecting pipe	Gas	inch(mm)	1/2 (φ12)	1/2 (φ12)	1/2 (φ12)
	Liquid	inch(mm)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)
Dimension(W×D×H)	Outline	mm	860×305×170	860×305×170	960×320×205
	Package	mm	935×388×295	935×388×295	1043×403×333
Net Weight/Gross Weight		kg	11.5/14	11.5/14	14/17
Loading Quantity	20'GP	set	276	276	210
	40' GP/40' HQ	set	566/674	566/674	439/499

Hansol



Model			GWH07TB-S3DNA1D/I	GWH09TB-S3DNA1D/I	GWH12TB-S3DNA1D/I	GWH18TC-S3DNA1D/I	GWH24TD-S3DNA1D/I
Capacity	Cooling	Btu/h	7165	8871	12000	18084	23800
	Heating	Btu/h	8871	10236	13600	18425	24900
Power supply		PhV/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240v,50Hz/60Hz	1Ph,220-240V,50Hz
Airflow Volume		m ³ /h(SH/HML)	600/490/420/370/330/290/230	650/600/550/500/450/400/350	750/650/580/520/470/420/350	950/870/790/710/630/560/480	1200/1130/1060/990/920/850/780
		CFM(SH/HML)	353/288/247/218/194/171/135	383/353/324/294/265/235/206	441/383/341/306/277/247/206	559/512/465/418/371/330/282	706/665/624/583/541/500/459
Sound Pressure Level dB (A)		dB(A)(SH/HML)	38/36/32/30/29/28/26	43/36/34/32/30/28/26	43/36/34/32/30/28/26	46/44/42/40/38/36/34	51/50/46/44/42/40/37
Connecting pipe	Gas	inch(mm)	3/8 (φ9.52)	3/8 (φ9.52)	1/2 (φ12)	5/8 (φ16)	5/8 (φ16)
	Liquid	inch(mm)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)
Dimension(W×H×D)	Outline	mm	866×292×209	866×292×209	866×292×209	1018×340×319	1178×326×264
	Package	mm	945×377×297	945×377×297	945×377×297	1097×340×397	1256×414×364
Net Weight /Gross Weight		kg	10/12	11.0/13.0	11.0/13.0	14.0/17.0	17.0/21.0
Loading Quantity	20'GP	set	276	276	276	174	132
	40' GP/40' HQ	set	553/632	553/632	566/640	366/427	276/322

Lomo



Model			GWH07QB-K3DNA1G/I	GWH09QB-K3DNA1G/I	GWH12QC-K3DNA1G/I	GWH18QD-K3DNA1G/I	GWH24QE-K3DNA1G/I
Capacity	Cooling	Btu/h	7165	8880	12000	17500	22860
	Heating	Btu/h	8871	9550	12500	18000	24737
Power supply		PhV/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Air flow volume		m ³ /h(SH/HML)	550/490/420/330	560/490/430/330	660/540/460/330	800/720/610/520	1150/1050/950/850
		CFM(SH/HML)	324/288/247/194	324/288/247/194	388/318/271/194	471/424/359/306	677/618/559/500
Sound pressure level		dB(A)(SH/HML)	38/36/32/26	55/52/44/38	42/39/33/26	46/42/39/36	48/45/42/39
Connecting pipe	Gas	inch(mm)	3/8 (φ9.52)	3/8 (φ9.52)	3/8 (φ9.52)	1/2 (φ12)	5/8 (φ16)
	Liquid	inch(mm)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)
Dimension(W×H×D)	Outline	mm	790×200×257	790×200×257	845×209×289	970×300×224	1078×325×245
	Package	mm	866×271×367	866×271×367	921×281×379	1041×383×320	1148×413×350
Net Weight/Gross weight		kg	9/11	9/11	10.0/12.0	13.5/16.5	17/20.5
Loading quantity	20'GP	sets	334	334	294	229	172
	40'GP/40'HQ	sets	692/804	692/804	600/674	479/545	336/392

Cozy



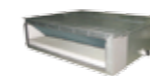
Model			GWH07MB-K3DNE3G/I	GWH09MB-K3DNE3G/I	GWH12MB-K3DNE3G/I	GWH18MC-K3DNE3G/I	GWH24MD-K3DNE3G/I
Capacity	Cooling	Btu/h	7200	8900	19000	18100	22000
	Heating	Btu/h	8900	9600	13000	19800	24000
Power supply		PhV/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow Volume		m ³ /h(SH/HML)	580/500/400/300	600/500/400/300	850/5780/650/550	850	1000/800/700/550
		CFM(SH/HML)	341/294/235/177	353/294/235/177	500/459/383/324	500	588/471/412/324
Sound pressure level		dB(A)(SH/HML)	41/39/34/28	42/39/34/28	42/40/35/30	45/43/37/33	51/47/42/39
Connecting pipe	Gas	inch(mm)	3/8(φ9.52)	3/8(φ9.52)	3/8(φ9.52)	1/2(φ12)	5/8 (φ16)
	Liquid	inch(mm)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)
Dimension(W×H×D)	Outline	mm	845×180×275	845×180×275	845x180x275	940x200x295	1007×315×219
	Package	mm	918×370×258	918×370×258	918×370×258	1013x383x300	1076×398×328
Net Weight/Gross weight		kg	9/12	9/12	9/12	12.0/15.0	15/18.5
Loading quantity	20'GP	sets	336	336	336	254	210
	40'GP/40'HQ	sets	684×798	684×798	684/798	541/609	434/496

Viola



Model			GWH07RB-K3DNA5G/I	GWH09RB-K3DNA5G/I	GWH12RB-K3DNA5G/I	GWH18RC-K3DNA5G/I	GWH24RD-K3DNA5G/I
Capacity	Cooling	Btu/h	7200	8880	12000	18000	22000
	Heating	Btu/h	8880	10240	13600	19790	24000
Power supply		PhV/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Air flow volume		m ³ /h(SH/HML)	580/500/400/300	600/500/400/300	600/500/400/300	850/750/650/550	1000/800/700/550
		CFM(SH/HML)	341/294/235/177	353/294/235/177	353/294/235/177	500/459/383/324	588/471/412/324
Sound Pressure Level		dB(A)(SH/HML)	41/39/34/28	41/39/34/28	42/40/35/30	45/43/37/33	51/47/42/39
Connecting pipe	Gas	inch(mm)	3/8(φ9.52)	3/8(φ9.52)	3/8(φ9.52)	1/2(φ12)	5/8 (φ16)
	Liquid	inch(mm)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)
Dimension(W×H×D)	Outline	mm	848x189x274	848x189x274	848x189x274	945x211x298	1018×233×315
	Package	mm	926x267x371	926x267x371	926x267x371	1013x383x300	1086×328×398
Net Weight /Gross Weight		kg	9.5/11.5	9.5/11.5	9.5/11.5	12.0/15.0	15/18.5
Loading Quantity	20'GP	sets	312	312	306	252	203
	40'HQ	sets	643/749	643/749	643/749	541/609	427/488

Duct Type Indoor Unit



Model			GFH(09)EA-K3DNA1A/I	GFH(12)EA-K3DNA1A/I	GFH(18)EA-K3DNA1A/I	GFH(21)EA-K3DNA1A/I	GFH(24)EA-K3DNA1A/I
Capacity	Cooling	Btu/h	8530	11940	17060	20470	24230
	Heating	Btu/h	9550	13140	18770	22520	27300
Power supply		PhV/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Air flow volume		m ³ /h	450	500	700	1000	1000
		CFM	265	294	412	589	588.5
Sound pressure level		dB(A)(H/L)	37/31	39/32	41/33	42/34	42/34
Connecting pipe	Gas	inch(mm)	3/8(φ9.52)	3/8(φ9.52)	1/2(φ12)	5/8(φ16)	5/8(φ16)
	Liquid	inch(mm)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	3/8(φ9.52)	3/8(φ9.52)
Dimension(W×D×H)	Outline	mm	700×615×200	700×615×200	900×615×200	1100×615×200	1100×615×200
	Package	mm	893×743×305	893×743×305	1123×743×305	1323×743×305	1323×743×305
Net Weight/Gross weight		kg	22/27	23/29	27/36	31/41	31/41
Loading Quantity	20'GP	sets	108	108	90	72	72
	40' GP/40' HQ	sets	234/234	234/234	180/180	162/162	162/162

1. The product with * is under development, and the parameters are estimated, please refer to the value on nameplates.
2. Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

Cassette Type Indoor Unit



Model		GKH(12)BA-K3DNA2A/I		GKH(18)BA-K3DNA2A/I		GKH(24)BA-K3DNA1A/I	
Capacity	Cooling	Btu/h	11942	15354	24225		
	Heating	Btu/h	13648	17060	27296		
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz		1Ph,220-240V,50Hz		1Ph,220-240V,50Hz
Air flow volume		m ³ /h	680	600			1180
		CFM	420	353			694
Sound pressure level		dB(A)(HLM)	46	46			39/37/35
	Gas	inch(mm)	3/8(φ9.52)	1/2(φ12)			5/8(φ16)
	Liquid	inch(mm)	1/4 (φ6)	1/4 (φ6)			3/8 (φ9.52)
Main body	Dimension (W×D×H)	Outline	mm	570×570×230	570×570×230	840×840×240	
		Package	mm	851×731×325	851×731×325	963×963×325	
	Net Weight/Gross weight	kg	18/23	18/23			30/38
Panel	Dimension (W×D×H)	Outline	mm	650×650×50	650×650×50	950×950×60	
		Package	mm	733×673×117	733×673×117	1043×1028×130	
	Net Weight/Gross weight	kg	6.5/10	6.5/10			6.5/10
Loading quantity		20'GP	sets	102	102	40	
		40'GP/40'HQ	sets	209/246	209/246	108/128	

Floor Ceiling Type Indoor Unit

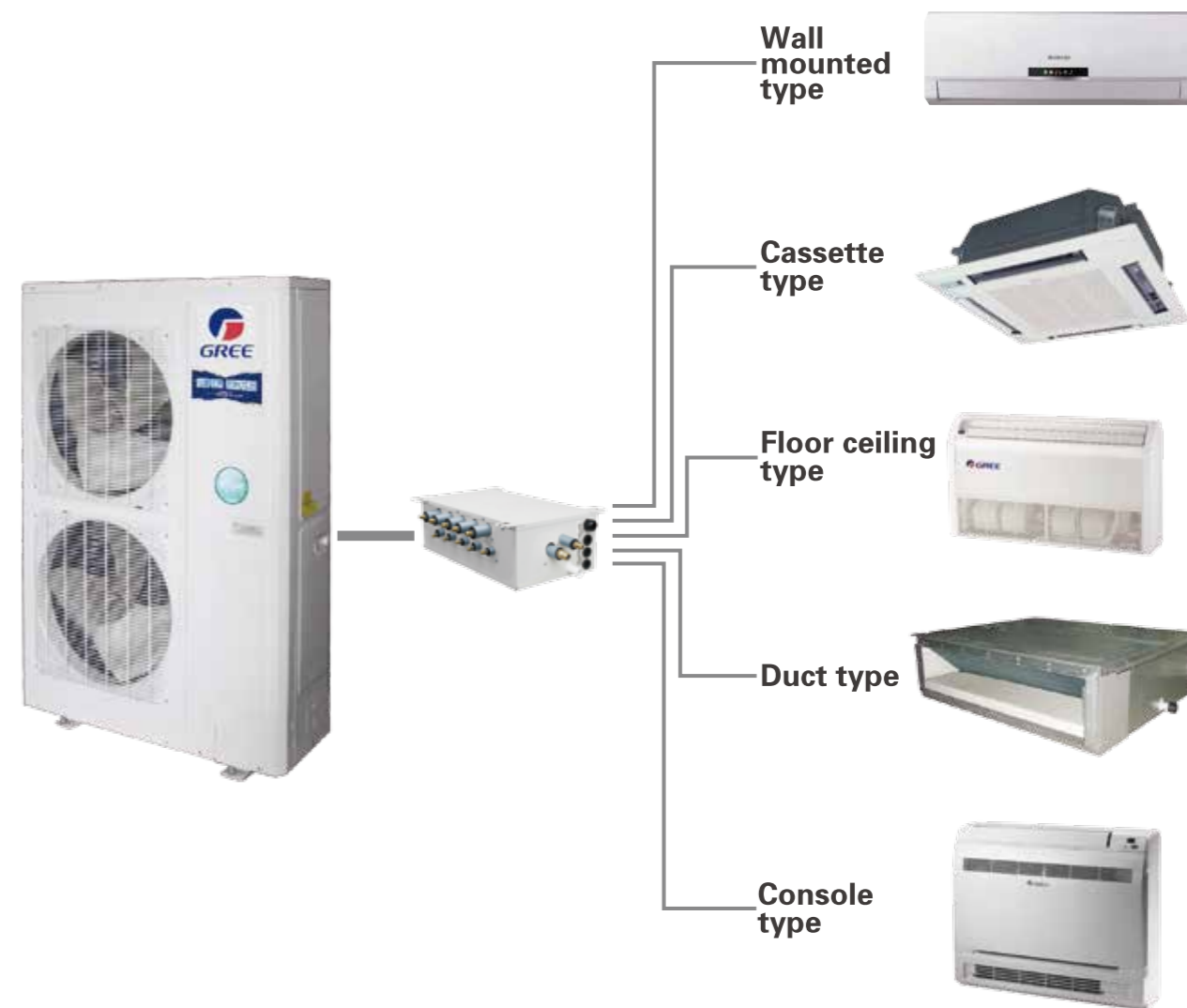


Model		GTH(09)BA-K3DNA1A/I		GTH(12)BA-K3DNA1A/I		GTH(18)BA-K3DNA1A/I		GTH(24)BA-K3DNA1A/I	
Capacity	Cooling	Btu/h	85302	11942	17060	24225			
	Heating	Btu/h	9554	13136	18766	27296			
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz		1Ph,220-240V,50Hz		1Ph,220-240V,50Hz		1Ph,220-240V,50Hz
Airflow volume		m ³ /h	650	650	950			1250	
		CFM	383	382	559			736	
Sound pressure level (SH/HM/HMML/SL)		dB(A)	40/36	40/36	45/40			48/40	
Connecting pipe	Gas	inch(mm)	3/8(φ9.52)	3/8(φ9.52)	1/2(φ12)			5/8(φ16)	
	Liquid	inch(mm)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)			3/8(φ9.52)	
Dimension(WxHxD)	Outline	mm	1220×700×225	1220×700×225	1220×700×225			1220×700×225	
	Package	mm	1343×823×355	1343×823×315	1343×823×315			1343×823×315	
Net weight/Gross weight		kg	40/50	40/50	40/50			45/54	
Loading quantity		20'GP	sets	48	48			48	
		40' GP/40' HQ	sets	96/96	96/96			96/96	

1.The product with * is under development, and the parameters are estimated, please refer to the value on nameplates.
2. Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

Super Free Match

Capacity range from 42K Btu/h to 56K Btu/h can be widely used in residential house, hotel, business office and especially applicable in variable loading situation.



- | | | | | | | | | | |
|-----------------|------------------------|--------------------------|--------------------|------------------------|---------------------|--------------------------|---------------------------------|---------------------|-------|
| High efficiency | Intelligent Defrosting | Comprehensive protection | Compact design | Easier maintainability | Inner groove copper | 'Turbo' Button | Self-Diagnosis | Low voltage startup | Timer |
| Lock | Wide operation range | Memory function | Wide voltage range | Centralized control | Weekly timer | Long-distance monitoring | Features: ○ Standard ● Optional | | |

- Power supply startup delay design, lower the unit starting current.
- High efficiency thanks to DC inverter compressor.
- The lowest noise thanks to advanced technology.
- The system could run stably under hard operation conditions.
- Connection pipe up to 145 meter length that convenient on installation.

GWHD**NK3CO

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	-15~48	
Heating	7	6	20	15	-20~24	

GWHD**NM3DO

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	18~48	
Heating	7	6	20	15	-10~24	

163 Combinations

	Two units	Three units	Four units	Five units	Six units
7+18	7+7+7	7+18+24	9+21+24	7+7+7+7	7+7+18+21
7+21	7+7+9	7+21+21	12+12+12	7+7+7+9	7+7+18+24
7+24	7+7+12	7+21+24	12+12+18	7+7+7+12	7+9+9+9
9+12	7+7+18	7+24+24	12+12+21	7+7+7+18	7+9+9+12
9+18	7+7+21	9+9+9	12+12+24	7+7+7+21	7+9+9+18
9+21	7+7+24	9+9+12	12+18+18	7+7+7+24	7+9+9+21
9+24	7+9+9	9+9+18	12+18+21	7+7+9+9	7+9+9+24
12+12	7+9+12	9+9+21	12+18+24	7+7+9+12	7+9+9+24
12+18	7+9+18	9+9+24	12+21+21	7+7+9+18	7+9+9+24
12+21	7+9+21	9+12+12	—	7+7+9+21	7+9+9+24
12+24	7+9+24	9+12+18	—	7+7+9+24	7+9+9+24
18+18	7+12+12	9+12+21	—	7+7+12+12	7+9+9+24
18+21	7+12+18	9+12+24	—	7+7+12+18	7+9+9+24
18+24	7+12+21	9+18+18	—	7+7+12+21	7+9+9+24
21+21	7+12+24	9+18+21	—	7+7+12+24	7+9+9+24
21+24	7+18+18	9+18+24	—	7+7+18+18	7+9+9+24
	7+18+21	9+21+21	—	7+7+18+21	7+9+9+24

288 Combinations

	Two units	Three units	Four units
7+18	7+7+12	9+9+9	12+18+18
7+21	7+7+18	9+9+12	12+18+21
7+24	7+7+21	9+9+18	12+18+24
9+18	7+7+24	9+9+21	12+21+21
9+21	7+9+9	9+9+24	12+21+24
9+24	7+9+12	9+12+12	12+24+24
12+12	7+9+18	9+12+18	7+7+9+9
12+18	7+9+21	9+12+21	18+18+21
12+21	7+9+24	9+12+24	18+18+24
12+24	7+12+12	9+18+18	18+21+21
18+18	7+12+18	9+18+21	7+7+9+21
18+21	7+12+21	9+18+24	7+9+12+21
18+24	7+12+24	9+21+21	7+9+18+18
21+21	7+18+18	9+21+24	7+7+12+12
21+24	7+18+21	9+24+24	7+7+12+24
24+24	7+18+24	12+12+12	7+9+21+21
-	7+21+21	12+12+18	7+7+18+21
-	7+21+24	12+12+21	7+7+18+24
-	7+24+24	12+12+24	7+7+21+21


288 Combinations


	Five units				Six units			Seven units		Eight units
7+7+7+7+7	7+7+9+9+12	7+9+9+9+24	9+9+9+12+12	9+9+9+12+18	7+7+7+7+7+7	7+7+7+9+9+24	7+9+9+9+21	7+7+7+7+7+7+7	7+9+9+9+9+9	
7+7+7+7+12	7+7+9+9+21	7+9+9+12+18	9+9+9+12+21	9+9+9+12+24	7+7+7+7+7+12	7+7+7+9+12+12	7+9+9+9+12+18	7+7+7+7+7+7+12	9+9+9+9+9+9	
7+7+7+7+18	7+7+9+9+24	7+9+9+12+21	9+9+9+12+24	7+7+7+7+7+18	7+7+7+9+12+12	7+9+9+12+12+12	7+7+7+7+7+7+18	7+7+7+7+7+7+12	7+7+7+7+7+7+7+7	
7+7+7+7+21	7+7+9+12+12	7+9+9+12+24	9+9+9+18+18	9+9+9+18+18	7+7+7+7+7+21	7+7+7+9+12+18	7+9+12+12+12+12	7+7+7+7+7+7+21	7+7+7+7+7+7+9	
7+7+7+9+9	7+7+9+12+21	7+9+9+18+21	9+9+12+12+12	9+9+12+12+18	7+7+7+7+9+9	7+7+7+12+12+12	9+9+9+9+9+12	7+7+7+7+7+9+12	7+7+7+7+7+9+9	
7+7+7+9+12	7+7+9+12+24	7+9+12+12+12	9+9+12+12+18	9+9+12+12+18	7+7+7+7+9+12	7+7+7+12+12+18	9+9+9+9+9+18	7+7+7+7+7+9+18	7+7+7+7+7+9+9	
7+7+7+9+18	7+7+9+18+18	7+9+12+12+18	9+9+12+12+21	9+9+12+12+21	7+7+7+7+9+18	7+7+9+9+9+9	9+9+9+9+9+18	7+7+7+7+7+9+18	7+7+7+7+7+9+9	
7+7+7+9+21	7+7+9+18+21	7+9+12+12+21	9+12+12+12+12	9+12+12+12+18	7+7+7+7+9+21	7+7+9+9+9+12	9+9+9+12+12+12	7+7+7+7+7+9+21	7+7+7+7+7+9+9	
7+7+7+9+24	7+7+12+12+12	7+9+12+12+24	9+12+12+12+18	9+12+12+12+18	7+7+7+7+9+24	7+7+9+9+9+18	-	7+7+7+7+9+9+12	-	
7+7+7+12+12	7+7+12+12+18	7+12+12+12+12	12+12+12+12+12	12+12+12+12+18	7+7+7+7+12+12	7+7+9+9+9+21	-	7+7+7+7+9+9+18	-	
7+7+7+12+18	7+7+12+12+21	7+12+12+12+18	-	-	7+7+7+7+12+18	7+7+9+9+9+24	-	7+7+7+7+9+12+12	-	
7+7+7+12+21	7+7+12+12+24	7+12+12+12+21	-	-	7+7+7+7+12+21	7+7+9+9+9+24	-	7+7+7+7+9+9+12	-	
7+7+7+12+24	7+7+12+18+18	9+9+9+9+9	-	-	7+7+7+7+12+24	7+7+9+12+12+12	-	7+7+7+7+9+9+9	-	
7+7+7+18+18	7+9+9+9+9	9+9+9+9+12	-	-	7+7+7+7+18+18	7+7+12+12+12+12	-	7+7+7+7+9+9+12	-	
7+7+7+18+21	7+9+9+9+12	9+9+9+9+18	-	-	7+7+7+7+18+21	7+9+9+9+9+9	-	7+7+7+7+9+9+18	-	
7+7+7+18+24	7+9+9+9+18	9+9+9+9+21	-	-	7+7+7+7+18+24	7+9+9+9+9+12	-	7+7+7+7+9+9+18	-	
7+7+9+9+9	7+9+9+9+21	9+9+9+9+24	-	-	7+7+7+9+9+9	7+9+9+9+9+18	-	7+7+9+9+9+9+12	-	

448 Combinations

	Two units	Three units	Four units
7+18	7+7+18	7+21+24	9+24+24
7+21	7+7+21	7+24+24	12+12+12
7+24	7+7+24	9+9+12	12+12+18
9+18	7+9+12	9+9+18	12+12+21
9+21	7+9+18	9+9+21	12+12+24
9+24	7+9+21	9+9+24	12+18+18
12+18	7+9+24	9+12+12	12+18+21
12+21	7+12+12	9+12+18	12+18+24
12+24	7+12+18	9+12+21	12+21+21
18+18	7+12+21	9+12+24	12+21+24
18+21	7+12+24	9+18+18	12+24+24
18+24	7+18+18	9+18+21	18+18+18
21+21	7+18+21	9+18+24	18+18+21
21+24	7+18+24	9+21+21	18+18+24
24+24	7+21+21	9+21+24	18+21+21

	Five units			
7+7+7+7+7	7+7+9+9+9	7+7+12+21+21	7+9+12+12+24	9+9+9+18+18
7+7+7+7+9	7+7+9+9+12	7+7+12+21+24	7+9+12+18+18	9+9+9+18+21
7+7+7+7+12	7+7+9+9+18	7+7+18+18+18	7+9+12+18+21	9+9+9+18+24
7+7+7+7+18	7+7+9+9+21	7+7+18+18+21	7+9+12+18+24	9+9+9+21+21
7+7+7+7+21	7+7+9+9+24	7+9+9+9+9	7+9+12+21+21	9+9+9+21+24
7+7+7+7+24	7+7+9+12+12	7+9+9+9+12	7+9+18+18+18	9+9+12+12+12
7+7+7+9+9	7+7+9+12+18	7+9+9+9+18	7+12+12+12+12	9+9+12+12+18
7+7+7+9+12	7+7+9+12+21	7+9+9+9+21	7+12+12+12+18	9+9+12+12+21
7+7+7+9+18	7+7+9+12+24	7+9+9+9+24	7+12+12+12+21	9+9+12+12+24
7+7+7+9+21	7+7+9+18+18	7+9+9+12+12	7+12+12+18+18	9+9+12+18+21
7+7+7+9+24	7+7+9+18+21	7+9+9+12+18	7+12+12+18+21	9+9+12+18+24
7+7+7+12+18	7+7+9+21+24	7+9+9+12+24	9+9+9+9+9	9+9+12+21+21
7+7+7+12+21	7+7+9+24+24	7+9+9+18+18	9+9+9+9+12	9+9+18+18+18
7+7+7+12+24	7+7+12+12+12	7+9+9+18+21	9+9+9+9+18	9+12+12+12+12
7+7+7+12+18	7+7+12+12+18	7+9+9+18+24	9+9+9+9+21	9+12+12+12+18
7+7+7+12+21	7+7+12+12+21	7+9+9+21+21	9+9+9+9+24	9+12+12+12+21
7+7+7+12+24	7+7+12+12+24	7+9+9+21+24	9+9+9+12+12	9+12+12+12+24
7+7+7+18+18	7+7+12+18+18	7+9+12+12+12	9+9+9+12+18	9+12+12+18+18
7+7+7+18+21	7+7+12+18+21	7+9+12+12+18	9+9+9+12+21	9+12+12+18+21
7+7+7+18+24	7+7+12+18+24	7+9+12+12+18	9+9+9+12+24	9+12+12+18+24
7+7+7+21+24	7+7+12+18+21	7+9+12+12+18	9+9+9+12+21	9+12+12+18+21
7+7+7+24+24	7+7+12+18+24	7+9+12+12+21	9+9+9+12+24	12+12+12+12+12

		Six units				
 GWHD(56S)NK3CO (2 to 9) GWHD(56S)NM3DO (2 to 9)	7+7+7+7+7+7	7+7+7+9+12+12	7+7+9+9+12+18	7+9+9+12+12+18	12+12+12+12+12+12	-
	7+7+7+7+7+9	7+7+7+9+12+12	7+7+9+9+12+21	7+9+9+12+12+21	-	-
	7+7+7+7+7+12	7+7+7+9+12+18	7+7+9+9+12+24	7+9+12+12+12+18	-	-
	7+7+7+7+7+18	7+7+7+9+12+21	7+7+9+9+18+18	7+9+12+12+12+18	-	-
	7+7+7+7+7+21	7+7+7+9+12+24	7+7+9+9+18+21	7+12+12+12+12+12	-	-
	7+7+7+7+7+24	7+7+7+9+18+18	7+7+9+12+12+12+12	9+9+9+9+9+9	-	-
	7+7+7+7+9+9	7+7+7+9+18+21	7+7+9+12+12+18	9+9+9+9+9+12	-	-
	7+7+7+7+9+12	7+7+7+9+18+24	7+7+9+12+12+21	9+9+9+9+9+18	-	-
	7+7+7+7+9+18	7+7+7+9+21+21	7+7+9+12+12+24	9+9+9+9+9+21	-	-
	7+7+7+7+9+21	7+7+7+12+12+12	7+7+9+12+18+18	9+9+9+9+9+24	-	-
	7+7+7+7+9+24	7+7+7+12+12+18	7+9+9+9+9+9	9+9+9+9+12+12	-	-
	7+7+7+7+12+12	7+7+7+12+12+21	7+9+9+9+9+12	9+9+9+9+12+18	-	-
	7+7+7+7+12+18	7+7+7+12+12+24	7+9+9+9+9+18	9+9+9+9+12+21	-	-
	7+7+7+7+12+21	7+7+7+12+18+18	7+9+9+9+9+21	9+9+9+9+12+24	-	-
	7+7+7+7+12+24	7+7+7+12+18+21	7+9+9+9+9+24	9+9+9+9+18+18	-	-
	7+7+7+7+18+18	7+7+9+9+9+9	7+9+9+9+12+12	9+9+9+12+12+12	-	-
	7+7+7+9+9+9	7+7+9+9+9+12	7+9+9+9+12+18	9+9+9+12+12+18	-	-
	7+7+7+9+9+12	7+7+9+9+9+18	7+9+9+9+12+21	9+9+9+12+12+21	-	-
	7+7+7+9+9+18	7+7+9+9+9+21	7+9+9+9+12+24	9+9+12+12+12+12	-	-
	7+7+7+9+9+21	7+7+9+9+9+24	7+9+9+9+18+18	9+9+12+12+12+18	-	-
7+7+7+9+9+24	7+7+9+9+12+12	7+9+9+12+12+12	9+12+12+12+12+12	-	-	

		Seven units		Eight units		Nine units	
 GWHD(56S)NK3CO (2 to 9) GWHD(56S)NM3DO (2 to 9)	7+7+7+7+7+7+7	7+7+7+7+9+9+21	7+7+9+9+9+9+12	7+7+7+7+7+7+7+7	7+7+7+9+9+9+9+9	7+7+7+7+7+7+7+7+7	-
	7+7+7+7+7+7+9	7+7+7+7+9+9+24	7+7+9+9+9+9+18	7+7+7+7+7+7+7+9	7+7+7+9+9+9+9+12	7+7+7+7+7+7+7+7+9	-
	7+7+7+7+7+7+12	7+7+7+7+9+12+12	7+7+9+9+9+9+21	7+7+7+7+7+7+7+12	7+7+7+9+9+9+12+12	7+7+7+7+7+7+7+7+12	-
	7+7+7+7+7+7+18	7+7+7+7+9+12+18	7+7+9+9+9+12+12	7+7+7+7+7+7+7+18	7+7+7+9+9+9+9+9	7+7+7+7+7+7+7+7+9	-
	7+7+7+7+7+7+21	7+7+7+7+9+12+21	7+7+9+9+9+12+18	7+7+7+7+7+7+7+21	7+7+7+9+9+9+9+12	7+7+7+7+7+7+7+7+9	-
	7+7+7+7+7+7+24	7+7+7+7+12+12+12	7+7+9+9+12+12+12	7+7+7+7+7+7+9+9	7+9+9+9+9+9+9	7+7+7+7+7+7+9+9+9	-
	7+7+7+7+7+9+9	7+7+7+7+12+12+18	7+7+9+12+12+12+12	7+7+7+7+7+7+9+12	9+9+9+9+9+9+9	7+7+7+7+7+7+9+9+12	-
	7+7+7+7+7+9+12	7+7+7+7+9+9+9	7+7+9+9+9+9+9	7+7+7+7+7+7+9+18	-	7+7+7+7+7+7+9+9+9	-
	7+7+7+7+7+9+18	7+7+7+7+9+9+12	7+7+9+9+9+9+12	7+7+7+7+7+7+9+21	-	-	-
	7+7+7+7+7+9+21	7+7+7+7+9+9+18	7+9+9+9+9+9+18	7+7+7+7+7+7+12+12	-	-	-
	7+7+7+7+7+9+24	7+7+7+7+9+9+21	7+9+9+9+9+12+12	7+7+7+7+7+7+12+18	-	-	-
	7+7+7+7+7+12+12	7+7+7+7+9+9+24	7+9+9+9+12+12+12	7+7+7+7+7+7+9+9+9	-	-	-
	7+7+7+7+7+12+18	7+7+7+7+9+9+12+12	9+9+9+9+9+9	7+7+7+7+7+9+9+12	-	-	-
	7+7+7+7+7+12+21	7+7+7+7+9+9+18	9+9+9+9+9+12	7+7+7+7+7+9+9+18	-	-	-
	7+7+7+7+7+12+24	7+7+7+7+9+9+21	9+9+9+9+9+18	7+7+7+7+7+9+12+12	-	-	-
	7+7+7+7+7+18+18	7+7+7+7+9+12+12+12	9+9+9+9+9+12+12	7+7+7+7+7+12+12+12	-	-	-
	7+7+7+7+9+9+9	7+7+7+7+9+12+18	9+9+9+9+12+12+12	7+7+7+7+9+9+9	-	-	-
	7+7+7+7+9+9+12	7+7+7+12+12+12+12	-	7+7+7+7+9+9+12	-	-	-
	7+7+7+7+9+9+18	7+7+9+9+9+9	-	7+7+7+7+9+9+12+12	-	-	-
	-	-	-	-	-	-	-
-	-	-	-	-	-	-	

Outdoor Unit

Model	Heat Pump		GWHD(42S)NK3CO	GWHD(48S)NK3CO	GWHD(48S)NM3DO	GWHD(56S)NK3CO	GWHD(56S)NM3DO
Capacity	Cooling	Btu/h	42000	47800	47800	52900	54600
	Heating	Btu/h	42700	53000	54600	59700	61400
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	3/380~415/50	1/220~240/50	3/380~415/50
Power input	Cooling	kW	4.10	4.90	4.60	5.30	5.20
	Heating	kW	3.70	4.30	4.25	4.80	4.70
Refrigerant charge volume		kg	4.95	4.95	4.95	4.95	4.95
Air Pressure Level		m ³ /h	6400	6400	6600	7000	6600
Sound pressure level		dB(A)	55	55	58	58	58
Dimension(W×D×H)	Outline	mm	900×340×1345	900×340×1345	900×340×1345	900×340×1345	900×340×1345
	Package	mm	993×453×1500	993×453×1500	993×453×1500	993×453×1500	993×453×1500
Net weight/Gross weight		kg	116/125	116/125	121/132	116/125	121/132
Connecting pipe diameter	Gas	inch(mm)	φ5/8(15.9)	φ5/8(15.9)	φ16	φ5/8(15.9)	φ19
	Liquid	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ9.52	φ3/8(9.52)	φ9.52
Max. equivalent connection pipe length		m	115	135	145	145	145
Maximum drive IDU NO.		unit	6	8	8	9	9
Loading quantity	40'GP/40'HQ	sets	50/50	50/50	50/50	50/50	50/50

1. The product with * is under development, and the parameters are estimated, please refer to the value on nameplates.
 2. Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

BU Module

Model		FXA2A-K	FXA2B-K	FXA3A-K	FXA3B-K	FXB3A-K	FXB5A-K
Fuse current		A	3.15	3.15	3.15	3.15	3.15
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Dimension(W×D×H)	Outline	mm	361×313×182	361×313×182	361×313×182	361×313×182	513×312×193
	Package	mm	683×392×258	683×392×258	683×392×258	683×392×258	676×473×268
Connection Method		—	Flare	Braze	Flare	Braze	Flare
Net weight/Gross weight		kg	6.5/8.3	6.5/8.3	7.0/9.0	7.0/9.0	8.0/10.0
Connecting pipe diameter (to IDU)	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Connecting pipe diameter (to ODU)	Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
Maximum connect IDU NO.		unit	2	2	3	3	5
Loading quantity	40'GP	sets	294	294	294	294	246
	40'HQ	sets	294	294	294	294	246
Max. Equivalent		m	15	15	15	15	15

Wall Mounted Indoor Unit

Hansol



Model			GWHD(07)TA-K3DNA1E/I	GWHD(09)TA-K3DNA1E/I	GWHD(12)TB-K3DNA1E/I	GWHD(18)TC-K3DNA1E/I
Capacity	Cooling	Btu/h	7165	8530	11942	18084
	Heating	Btu/h	8871	9383	12454	19107
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume		m ³ /h (SH/H/M/L)	550/490/370/290	550/490/370/290	770/670/530/410	950/870/710/560
		CFM (SH/H/M/L)	324/288/218/171	324/288/218/171	430/394/312/241	559/512/418/330
Sound pressure level		dB(A)(SH/H/M/L)	41/36/34/32/28/24/21	41/36/34/32/28/24/21	43/36/34/32/28/24/21	49/44/41/39/36/33/30
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Dimension(W×H×D)	Outline	mm	806×209×292	806×209×292	866×209×292	1018×230×319
	Package	mm	888×297×377	888×297×377	945×297×377	1097×340×397
Net weight/Gross weight		kg	10.5/13.0	10.5/13.0	11.0/13.5	15.0/18.5
Loading quantity	20'GP	sets	266	266	252	174
	40' GP/40' HQ	sets	553/632	553/632	518/592	366/427

Lomo



Model			GWHD07QA-K3DNA5C/I	GWHD09QB-K3DNA1G/I	GWHD12QC-K3DNA1G/I	GWHD18QD-K3DNA1G/I	GWHD24QE-K3DNA1G/I
Capacity	Cooling	Btu/h	7506	8871	12000	17500	22900
	Heating	Btu/h	7848	9600	12500	18000	24800
Power Supply		Ph, V, Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Airflow Volume	Indoor	m ³ /h	500/420/390/300	560/490/430/330	660/540/460/330	800/720/610/520	1150/1050/950/850
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	40/36/34/24	55/52/44/38	57/53/45/42	58/54/51/48	64/59/56/53
Outline Dimension	W×H×D	mm	713×270×195	790×275×200	845×289×209	970×300×224	1078×325×246
Package Dimension	W×H×D	mm	776×268×362	866×367×271	921×379×281	1041×383×320	1148×413×350
Net Weight/Gross Weight	Indoor	kg	8.5/10	9/11	10/12	13.5/16.5	17/20.5
Piping Connection	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ1/2(12.7)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Loading Quantity	40'GP	sets	299	223	210	127	118
	40'HQ	sets	328	256	244	146	131

Cozy



Model			GWHD(07)MA-K3DNA3E/I	GWHD(09)MA-K3DNA3E/I	GWHD(12)MB-K3DNA3E/I	GWHD(18)MC-K3DNA3E/I
Capacity	Cooling	Btu/h	7500	8900	11900	18100
	Heating	Btu/h	8900	9600	13000	19800
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume		m ³ /h (SH/H/M/L)	450/410/380/320	500/410/380/320	630/500/420/350	850/780/650/550
		CFM (SH/H/M/L)	265/241/224/188	294/241/224/188	371/295/247/206	500/459/383/324
Sound pressure level		dB(A)(SH/H/M/L)	36/34/31/28/-	37/34/31/28/-	38/34/32/30/-	46/43/40/36/-
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Dimension(W×H×D)	Outline	mm	790×170×265	790×170×265	845×180×275	940×200×298
	Package	mm	873×370×251	873×370×251	918×370×258	1013×288×395
Net weight/Gross weight		kg	9.0/11.0	9.0/11.0	10/12.5	13.0/16.0
Loading quantity	20'GP	sets	348	348	336	254
	40' GP/40' HQ	sets	732/852	732/852	684/798	541/609

Viola



Model			GWH(07)RA-K3DNA3E/I	GWH(09)RA-K3DNA3E/I	GWH(12)RB-K3DNA3E/I	GWH(18)RC-K3DNA3E/I	GWH(24)RC-K3DNA1A/I
Capacity	Cooling	Btu/h	7200	8900	11900	18100	22000
	Heating	Btu/h	8900	9600	13000	19800	24200
Power supply	PhV/Hz		1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume	m ³ /h (SH/H M/L)		500/420/400/300	500/420/400/300	630/530/430/320	850/780/650/500	1000
	CFM (SH/H M/L)		294/247/235/177	294/247/235/177	371/312/253/194	500/459/383/294	588
Sound pressure level	dB(A) (SH/H M/L)		40/37/35/32/-	40/37/35/32/-	42/39/36/33/-	45/42/37/33/-	48/46/44/42/-
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ3/8(9.52)
Dimension(WxHxD)	Outline	mm	794×186×265	794×186×265	848×189×274	945×208×298	1018×233×315
	Package	mm	873×258×365	873×258×365	926×371×267	1013×300×383	1086×328×398
Net weight/Gross weight	kg		9.0/11.5	9.0/11.5	10/12.5	13.0/16.0	15.5/20.5
Loading quantity	20'GP	sets	348	348	306	254	206
	40' GP/40' HQ	sets	720/840	720/840	636/740	541/609	430/491



Duct Type Indoor Unit

Model			GFH(09)EA-K3DNA1A/I	GFH(12)EA-K3DNA1A/I	GFH(18)EA-K3DNA1A/I	GFH(21)EA-K3DNA1A/I	GFH(24)EA-K3DNA1A/I
Capacity	Cooling	Btu/h	8530	11940	17060	20470	24230
	Heating	Btu/h	9550	13140	18770	22520	27300
Power supply	PhV/Hz		1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume	m ³ /h		450	500	700	1000	1000
	CFM		265	294	412	588.5	588.5
Sound pressure level (H/L)	dB(A)		37/31	39/32	41/33	42/34	42/34
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ5/8(15.9)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ3/8(9.52)	Φ3/8(9.52)
Dimension(WxHxD)	Outline	mm	700×615×200	700×615×200	900×615×200	1100×615×200	1100×615×200
	Package	mm	893×743×305	893×743×305	113×743×305	1323×743×305	1323×743×305
Net weight/Gross weight	kg		22/27	23/29	27/36	31/41	31/41
Loading quantity	20'GP	sets	108	108	90	72	72
	40' GP/40' HQ	sets	234/234	234/234	180/180	162/162	162/162



Cassette Type Indoor Unit

Model			GKH(12)BA-K3DNA2A/I	GKH(18)BA-K3DNA2A/I	GKH(12)BA-K3DNA1A/I	GKH(18)BA-K3DNA1A/I	GKH(24)BA-K3DNA1A/I
Capacity	Cooling	Btu/h	11942	15354	11942	17060	24225
	Heating	Btu/h	13648	17060	13136	18766	27296
Power supply	PhV/Hz		1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume	m ³ /h		600	600	680	680	1180
	CFM		353	353	400	400	694
Sound pressure level (SH/H/MH/MML/L/SL)	dB(A)		46/44/42	46/44/42	37/35/33	37/35/33	39/37/35
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ1/2(12.7)	Φ3/8(9.52)	Φ1/2(12.7)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ3/8(9.52)
Main Body	Dimension (WxHxD)	mm	570×570×230	570×570×230	840×840×240	840×840×240	840×840×240
	Package	mm	851×731×325	851×731×325	963×963×325	963×963×325	963×963×325
	Net weight/Gross weight	kg	18.0/23.0	18/23	25.0/33.0	25.0/33.0	28.0/35.0
Panel	Dimension (WxHxD)	mm	650×650×50	650×650×50	950×950×60	950×950×60	950×950×60
	Package	mm	733×673×117	733×673×117	1043×1028×130	1043×1028×130	1043×1028×130
	Net weight/Gross weight	kg	2.5/3.5	2.5/3.5	6.5/10	6.5/10	6.5/10
Loading quantity	20'GP	sets	102	102	48	48	40
	40' GP/40' HQ	sets	209/246	209/246	128/144	128/144	108/128



Floor Ceiling Type Indoor Unit

Model			GTH(09)BA-K3DNA1A/I	GTH(12)BA-K3DNA1A/I	GTH(18)BA-K3DNA1A/I	GTH(24)BA-K3DNA1A/I
Capacity	Cooling	Btu/h	8530	11942	17060	24225
	Heating	Btu/h	9556	13136	18766	27296
Power supply	PhV/Hz		1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume	m ³ /h		650	650	950	1250
	CFM		382.5	382.5	559	736
Sound pressure level (SH/H/MH/MML/L/SL)	dB(A)		40/38/36	40/38/36	45/42/40	48/46/44
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ3/8(9.52)
Dimension(WxHxD)	Outline	mm	1220×700×225	1220×700×225	1220×700×225	1220×700×225
	Package	mm	1343×823×315	1343×823×315	1343×823×315	1343×823×315
Net weight/Gross weight	kg		40/50	40/50	40/50	45/54
Loading quantity	20'GP	sets	66	66	66	66
	40' GP/40' HQ	sets	132/132	132/132	132/132	132/132

Console



Model			GEH(09)AA-K3DNA1C/I	GEH(12)AA-K3DNA1C/I	GEH(18)AA-K3DNA1C/I
Capacity	Cooling	Btu/h	8700	11900	18100
	Heating	Btu/h	9600	13000	19800
Power supply	PhV/Hz		1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume	m ³ /h		500	600	650
	CFM		294	353	383
Sound pressure level (SH/H/MH/MML/L/SL)	dB(A)		40/38/36/33/30/27/25	42/40/38/37/35/32/27	48/46/44/41/37/35/32
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	700×215×600	700×215×600	700×215×600
	Package	mm	791×286×710	791×286×710	791×286×710
Net weight/Gross weight	kg		15/18	15/18	15/18
Loading quantity	20'GP	sets	168	168	168
	40' GP/40' HQ	sets	348/440	348/440	348/440

1. The product with * is under development, and the parameters are estimated, please refer to the value on nameplates.
2. Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

Control System Lineup

Controlling system	Product series	Wall-mounted type				Duct type	Cassette type	Floor ceiling type	Console type
		Lomo	Hansol	Cozy	Viola				
Wireless remote controller	YAA1FB1								●
	YT1F(MOTO)			●	●	●	●	●	
	YAG1FB		●						
	YB1F2 (XFAN)								
	YAN1F1(XFAN)		●						
Wired controller	XK19					●	●	●	
Centralized controller	CE50-24/E					●	●	●	

Note: ● means standard, ● means optional.

GMV5



Gree GMV5 All DC Inverter VRF adopts high-efficient DC inverter compressor and DC inverter fan motor. The unit can be combined modularly from 8HP to 88HP. Maximum capacity can up to 246kW.

GMV5 Mini



GMV5 Slim



GMV5



- Outdoor unit quiet mode.
- High energy efficiency with high-performance compressor; Long connection pipe design with the maximum length of 1000m.
- Auto switch of module status in every 8hrs, which greatly improves the reliability of complete unit.
- 4 levels of static pressure for option with the maximum of 82Pa.

Max. piping length (meter)	GMV5 Mini	GMV5 Slim	GMV5
Total piping length	300m	300m	1000m
Actual piping length	120m	120m	165m
Equivalent piping length	150m	150m	190m
Height difference between indoor units	15m	15m	30m
Height difference between ODU and IDU (ODU is located above the IDU)	50m	50m	90m
Height difference between ODU and IDU (IDU is located above the ODU)	40m	40m	90m
Piping length from first indoor branch to the farthest IDU	40m	40m	40m

Item	Nominal operating condition (temperature)				Operating range (temperature)		
	Outdoor condition		Indoor condition		Outdoor condition DB(°C)		
	DB(°C)	WB(°C)	DB(°C)	WB(°C)	GMV5 Mini	GMV5 Slim	GMV5
Cooling	35	-	27	19	-5~52	-5~52	-5~52
Heating	7	6	20	-	-20~27	-20~27	-20~24

- All DC inverter technology
- Energy saving function
- Quiet function
- Human engineering operation
- Intelligent Management
- Long connection pipe design
- Wide operation range
- Modular operating*
- High ESP

- Comprehensive protection

Outdoor Units Lineup

GMV5 Mini

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

GMV5 Mini

HP	Model	Product Outlook
3	GMV-80WL/A-T	
3.5	GMV-100WL/A-T	
4	GMV-121WL/A-T	

GMV5 Slim

HP	Model	Product Outlook
8	GMV-H224WL/A-X	
10	GMV-H280WL/A-X	
12	GMV-H335WL/A-X	

Specifications of Outdoor Units

GMV5 Mini 50/60Hz

Model			GMV-80WL/A-T ²	GMV-100WL/A-T ²	GMV-121WL/A-T ²
Capacity range	HP		3	3.5	4
Capacity	Cooling	kW	8	10	12.1
	Heating	kW	9	11	13
EER	W/W		3.48	3.4	3.27
COP	W/W		4.1	4.07	3.71
Power supply	V/Ph/Hz		220~240V-1Ph-50Hz&208~230V-1Ph-60Hz		
Max. Circuit/Fuse Current	A		23	25	25
Power consumption	Cooling	kW	2300	2900	3700
	Heating	kW	2200	2700	3500
Maximum drive IDU NO.	unit		4	5	5
Refrigerant Charge volume	kg		2.5	2.5	2.7
Sound pressure level	dB(A)		57	58	58
Connecting pipe	Liquid	mm	Φ9.52		
	Gas	mm	Φ15.9		
Dimension (W*D*H)	Outline	mm	980*360*790		
	Package	mm	1097*478*937		
Net weight/Gross weight	kg		83	85	85
Loading quantity	40' GP	set	100	100	100
	40' HQ	set	100	100	100

Note:*2.This product model is under development.Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

Model			GMV-120WL/C-T ¹	GMV-140WL/C-T ¹	GMV-160WL/C-T ¹
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		220-240/1/50 & 208-230/1/60		
Max. Circuit/Fuse Current	A		32	40	40
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	9.52	9.52	9.52
	Gas	mm	15.9	15.9	19.1
Dimension (W*D*H)	Outline	mm	900*340*1345	900*340*1345	900*340*1345
	Package	mm	1048*458*1507	1048*458*1507	1048*458*1507
Net weight/Gross weight	kg		112	112	112
Loading quantity	40' GP	set	57	57	57
	40' HQ	set	57	57	57

*1: This series outdoor unit cannot match with, fresh air processing unit and high static ESP duct type unit.

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		380-415/3/50&380-415/3/60		
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		8	8	9
Refrigerant Charge volume	kg		3.3	3.3	3.3
Sound pressure level	dB(A)		58	58	58
Connecting pipe	Liquid	mm	9.52	9.52	9.52
	Gas	mm	15.9	15.9	19.1
Dimension (W*D*H)	Outline	mm	900*340*1345	900*340*1345	900*340*1345
	Package	mm	1048*458*1507	1048*458*1507	1048*458*1507
Net weight/Gross weight	kg		122	122	122
Loading quantity	40' GP	set	57	57	57
	40' HQ	set	57	57	57

GMV5 Slim 50/60 Hz

Model			GMV-H224WL/A-X	GMV-H280WL/A-X	GMV-H335WL/A-X
Capacity range	HP		8	10	12
Capacity	Cooling	kW	22.4	28.0	33.5
	Heating	kW	24	30	35
EER	W/W		3.11	2.86	3.10
COP	W/W		3.69	3.41	3.43
Power supply	V/Ph/Hz		20	25	32
Max. Circuit/Fuse Current	A		380-415~3Ph~50/60Hz		
Power consumption	Cooling	kW	7.2	9.8	10.8
	Heating	kW	6.5	8.8	10.2
Maximum drive IDU NO.	unit		13	17	20
Refrigerant Charge volume	kg		5.5	7.1	8.0
Sound pressure level	dB(A)		60	62	63
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	166/183	177/194
Loading quantity	40' GP	set	56	44	44
	40' HQ	set	56	44	44

GMV5 50/60 Hz

Model			GMV-224WM/B-X	GMV-280WM/B-X	GMV-335WM/B-X	GMV-400WM/B-X	GMV-450WM/B-X	GMV-504WM/B-X	GMV-560WM/B-X	GMV-615WM/B-X	
Capacity range	HP		8	10	12	14	16	18	20	22	
Capacity	Cooling	kW	22.4	28	33.5	40	45	50.4	56	61.5	
	Heating	kW	25	31.5	37.5	45	50	56.5	63	69	
EER	W/W		4.31	4	3.98	3.76	3.56	3.55	3.5	3.32	
COP	W/W		4.55	4.32	4.17	4.05	3.85	4.01	3.8	3.65	
Power supply	V/Ph/Hz		380~415V-3Ph-50/60Hz								
Max. Circuit/Fuse Current	A		15.7/20	20.9/25	24.7/32	28.8/40	33.2/40	44.7/50	50/63	52/63	
Power consumption	Cooling	kW	5.2	7	8.41	10.65	12.65	14.2	16	18.5	
	Heating	kW	5.5	7.3	9	11.1	13	14.1	16.6	18.9	
Maximum drive IDU NO.	unit		13	16	19	23	26	29	32	35	
Refrigerant Charge volume	kg		5.9	6.7	8.2	9.8	10.3	11.3	14.3	14.3	
Sound pressure level	dB(A)		60	61	63	63	63	63	63	64	
Connecting pipe	Liquid	mm	Φ9.52			Φ12.7			Φ15.9		
	Gas	mm	Φ19.05	Φ22.2	Φ25.4		Φ28.6	Φ28.6			
	Oil balance	mm	Φ9.52								
Dimension (W*D*H)	Outline	mm	930*765*1605			1340*765*1605			1340*765*1740		
	Package	mm	1010*840*1775			1420*840*1775			1420*840*1910		
Net weight/Gross weight	kg	225/235	225/235	285/300	360/375	360/375	360/375	360/375	385/400	385/400	
Loading quantity	40' GP	set	24	24	16	16	16	16	16	16	
	40' HQ	set	24	24	16	16	16	16	16	16	

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

ODU Combination Lineup-GMV5

MODEL	GMV-224WMB-X (8HP)	GMV-280WMB-X (10HP)	GMV-335WMB-X (12HP)	GMV-400WMB-X (14HP)	GMV-450WMB-X (16HP)	GMV-504WMB-X (18HP)	GMV-560WMB-X (20HP)	GMV-615WMB-X (22HP)
GMV-224WMB-X	●							
GMV-280WMB-X		●						
GMV-335WMB-X			●					
GMV-400WMB-X				●				
GMV-450WMB-X					●			
GMV-504WMB-X						●		
GMV-560WMB-X							●	
GMV-615WMB-X								●
GMV-680WMB-X		●		●				
GMV-730WMB-X		●			●			
GMV-785WMB-X		●				●		
GMV-850WMB-X		●					●	
GMV-900WMB-X		●						●
GMV-960WMB-X			●					●
GMV-1010WMB-X				●				●
GMV-1065WMB-X					●			●
GMV-1130WMB-X						●		●
GMV-1180WMB-X							●	●
GMV-1235WMB-X								●●
GMV-1300WMB-X		●		●			●	
GMV-1350WMB-X		●			●			●
GMV-1410WMB-X			●		●			●
GMV-1460WMB-X		●					●	●
GMV-1515WMB-X		●						●●
GMV-1580WMB-X			●					●●
GMV-1630WMB-X				●				●●
GMV-1685WMB-X					●			●●
GMV-1750WMB-X						●		●●
GMV-1800WMB-X							●	●●
GMV-1845WMB-X								●●●
GMV-1908WMB-X		●			●		●	●
GMV-1962WMB-X		●				●	●	●
GMV-2016WMB-X		●					●●	●
GMV-2072WMB-X		●					●	●●
GMV-2128WMB-X		●						●●●
GMV-2184WMB-X			●					●●●
GMV-2240WMB-X				●				●●●
GMV-2295WMB-X					●			●●●
GMV-2350WMB-X						●		●●●
GMV-2405WMB-X							●	●●●
GMV-2460WMB-X								●●●

Specifications of ODU Combination

50/60 Hz

Model	Power Supply	Capacity		Power Input		Dimension(W×D×H) mm	Airflow Volume m³/h	ESP Pa	Sound Pressure Level dB(A)	Operation sound pressure level at night dB(A)	Connecting pipe diameter			Min. circuit current A	Max. fuse current A	Weight kg
		Cooling kW	Heating kW	Cooling kW	Heating kW						Liquid mm	Gas mm	Oil Balance mm			
GMV-680WM/B-X	380~415V-3PH-50/60Hz	68	76.5	17.65	18.4	(930×765×1605)+(1340×765×1605)	11400+14000	82	65	43	Φ15.9	Φ28.6	Φ9.52	49.7	63	225+360
GMV-730WM/B-X		73	81.5	19.65	20.3	(930×765×1605)+(1340×765×1605)	11400+14000	82	65	43	Φ19.05	Φ31.8	Φ9.52	54.1	63	225+360
GMV-785WM/B-X		78.4	88	21.2	21.4	(930×765×1605)+(1340×765×1740)	11400+16000	82	66	43	Φ19.05	Φ31.8	Φ9.52	65.6	80	225+360
GMV-850WM/B-X		84	94.5	23	23.9	(930×765×1605)+(1340×765×1740)	11400+16000	82	67	43	Φ19.05	Φ31.8	Φ9.52	70.9	80	225+385
GMV-900WM/B-X		89.5	100.5	25.5	26.2	(930×765×1605)+(1340×765×1740)	11400+16000	82	67	43	Φ19.05	Φ31.8	Φ9.52	72.9	80	225+385
GMV-960WM/B-X		95	106.5	26.91	27.9	(1340×765×1605)+(1340×765×1740)	14000+16000	82	68	43	Φ19.05	Φ31.8	Φ9.52	76.7	80	285+385
GMV-1010WM/B-X		101.5	114	29.15	30	(1340×765×1605)+(1340×765×1740)	14000+16000	82	68	43	Φ19.05	Φ38.1	Φ9.52	80.8	100	360+385
GMV-1065WM/B-X		106.5	119	31.15	31.9	(1340×765×1605)+(1340×765×1740)	14000+16000	82	68	43	Φ19.05	Φ38.1	Φ9.52	85.2	100	360+385
GMV-1130WM/B-X		111.9	125.5	32.7	33	(1340×765×1740)×2	16000×2	82	68	43	Φ19.05	Φ38.1	Φ9.52	96.7	100	360+385
GMV-1180WM/B-X		117.5	132	34.5	35.5	(1340×765×1740)×2	16000×2	82	69	43	Φ19.05	Φ38.1	Φ9.52	102	125	385+385
GMV-1235WM/B-X		123	138	37	37.8	(1340×765×1740)×2	16000×2	82	69	43	Φ19.05	Φ38.1	Φ9.52	104	125	385+385
GMV-1300WM/B-X		129	144.5	35.65	36.9	(930×765×1605)+(1340×765×1605)+(1340×765×1740)	11400+14000+16000	82	69	45	Φ19.05	Φ38.1	Φ9.52	104.1	125	225+360+385
GMV-1350WM/B-X		134.5	150.5	38.15	39.2	(930×765×1605)+(1340×765×1605)+(1340×765×1740)	11400+14000+16000	82	69	45	Φ19.05	Φ38.1	Φ9.52	106.1	125	225+360+385
GMV-1410WM/B-X		140	156.5	39.56	40.9	(1340×765×1605)×2+(1340×765×1740)	14000×2+16000	82	69	45	Φ19.05	Φ41.3	Φ9.52	109.9	125	285+360+385
GMV-1460WM/B-X		145.5	163.5	41.5	42.8	(930×765×1605)+(1340×765×1740)×2	11400+16000×2	82	69	45	Φ19.05	Φ41.3	Φ9.52	122.9	125	225+385×2
GMV-1515WM/B-X		151	169.5	44	45.1	(930×765×1605)+(1340×765×1740)×2	11400+16000×2	82	70	45	Φ19.05	Φ41.3	Φ9.52	124.9	125	225+385×2
GMV-1580WM/B-X		156.5	175.5	45.41	46.8	(1340×765×1605)+(1340×765×1740)×2	14000+16000×2	82	70	45	Φ19.05	Φ41.3	Φ9.52	128.7	160	285+385×2
GMV-1630WM/B-X		163	183	47.65	48.9	(1340×765×1605)+(1340×765×1740)×2	14000+16000×2	82	70	45	Φ19.05	Φ41.3	Φ9.52	132.8	160	360+385×2
GMV-1685WM/B-X		168	188	49.65	50.8	(1340×765×1605)+(1340×765×1740)×2	14000+16000×2	82	70	45	Φ19.05	Φ41.3	Φ9.52	137.2	160	360+385×2
GMV-1750WM/B-X		173.4	194.5	51.2	51.9	(1340×765×1740)×3	16000×3	82	70	45	Φ19.05	Φ41.3	Φ9.52	148.7	160	360+385×2
GMV-1800WM/B-X		179	201	53	54.4	(1340×765×1740)×3	16000×3	82	71	45	Φ19.05	Φ41.3	Φ9.52	154	160	385×3
GMV-1845WM/B-X		184.5	207	55.5	56.7	(1340×765×1740)×3	16000×3	82	71	45	Φ19.05	Φ41.3	Φ9.52	156	160	385×3
GMV-1908WM/B-X		190.5	213.5	54.15	55.8	(930×765×1605)+(1340×765×1605)+(1340×765×1740)×2	11400+14000+16000×2	82	72	47	Φ22.2	Φ44.5	Φ9.52	156.1	160	225+360+385×2
GMV-1962WM/B-X		195.9	220	55.7	56.9	(930×765×1605)+(1340×765×1740)×3	11400+16000×3	82	73	47	Φ22.2	Φ44.5	Φ9.52	167.6	200	225+360+385×2
GMV-2016WM/B-X	201.5	226.5	57.5	59.4	(930×765×1605)+(1340×765×1740)×3	11400+16000×3	82	73	47	Φ22.2	Φ44.5	Φ9.52	172.9	200	225+385×3	
GMV-2072WM/B-X	207	232.5	60	61.7	(930×765×1605)+(1340×765×1740)×3	11400+16000×3	82	73	47	Φ22.2	Φ44.5	Φ9.52	174.9	200	225+385×3	
GMV-2128WM/B-X	212.5	238.5	62.5	64	(930×765×1605)+(1340×765×1740)×3	11400+16000×3	82	73	47	Φ22.2	Φ44.5	Φ9.52	176.9	200	225+385×3	
GMV-2184WM/B-X	218	244.5	63.91	65.7	(1340×765×1605)+(1340×765×1740)×3	14000+16000×3	82	74	47	Φ22.2	Φ44.5	Φ9.52	180.7	200	285+385×3	
GMV-2240WM/B-X	224.5	252	66.15	67.8	(1340×765×1605)+(1340×765×1740)×3	14000+16000×3	82	74	47	Φ22.2	Φ44.5	Φ9.52	184.8	200	360+385×3	
GMV-2295WM/B-X	229.5	257	68.15	69.7	(1340×765×1605)+(1340×765×1740)×3	14000+16000×3	82	74	47	Φ22.2	Φ44.5	Φ9.52	189.2	200	360+385×3	
GMV-2350WM/B-X	234.9	263.5	69.7	70.8	(1340×765×1740)×4	16000×4	82	75	47	Φ22.2	Φ44.5	Φ9.52	200.7	250	360+385×3	
GMV-2405WM/B-X	240.5	270	71.5	73.3	(1340×765×1740)×4	16000×4	82	75	47	Φ22.2	Φ44.5	Φ9.52	206	250	385×4	
GMV-2460WM/B-X	246	276	74	75.6	(1340×765×1740)×4	16000×4	82	75	47	Φ22.2	Φ44.5	Φ9.52	208	250	385×4	

GMV5 HR

(Heat Recovery Series)



GMV5 Heat Recovery System embodies the excellent features of GMV5(DC inverter technology, DC fan linkage control, precise control of capacity output, balancing control of refrigerant, original oil balancing technology with high pressure chamber, high-efficiency output control, low-temperature operation control technology, super heating technology, high adaptability for project, environmental refrigerant). Its energy efficiency is improved by 78% compared with conventional multi VRF.



Golden fin condenser	Inner groove copper	High efficiency	Intelligent defrosting	Long-distance monitoring	Quiet function	Modular operating*	Comprehensive protection	Wide voltage range
Wide operation range	Compact design	Easier maintainability	Centralized control					

- All DC Inverter Technology. All DC inverter compressor is used in this system. It can directly intake gas to reduce loss of overheat and improve efficiency.
- 82 Pa Wide Application Location
- Advanced Control Functions.
- Better Reliability
- Wide Operation Range: Cooling: -5°C~52°C; Heating: -20°C~24°C; Cooling and heating: -10°C~20°C
- Flexible Piping Design

Outdoor Units Lineup-GMV5 Heat Recovery Series

HP	Model	Product Outlook
8HP	GMV-Q224WM/B-X	
10HP	GMV-Q280WM/B-X	
12HP	GMV-Q335WM/B-X	
14HP	GMV-Q400WM/B-X	
16HP	GMV-Q450WM/B-X	

Model	Product Outlook
NCHS1B	
NCHS2B	
NCHS4B	
NCHS8B	

Specification and Parameters

50/60 Hz

Model		GMV-Q224WM/B-X	GMV-Q280WM/B-X	GMV-Q335WM/B-X	GMV-Q400WM/B-X	GMV-Q450WM/B-X
Capacity range	HP	8	10	12	14	16
Capacity	Cooling	kW	22.4	28	33.5	40
	Heating	kW	25	31.5	37.5	45
EER	W/W	4.31	4.06	4.09	3.77	3.72
COP	W/W	4.72	4.32	4.31	4.17	4.00
IPLV	Cooling	kW/kW	/	/	/	/
Power Supply	V/Ph/Hz	380~415V-3Ph-50/60Hz				
Max. circuit/fuse current	A	16.3/20	20.9/25	24.7/32	28.8/40	33.2/40
Power consumption	Cooling	kW	5.2	6.9	8.2	10.6
	Heating	kW	5.3	7.3	8.7	10.8
Maximum drive IDU NO.	unit	13	16	19	23	26
Refrigerant Charge volume	kg	6.2	7.1	9.6	11.1	11.6
Sound pressure level	dB(A)	60	61	63	63	63
Connecting pipe	Liquid	mm	Φ9.52		Φ12.7	
	Gas(Low pressure)	mm	Φ19.05	Φ22.2	Φ25.4	
	Gas(High pressure)	mm	Φ15.9	Φ19.05	Φ19.05	Φ22.2
Dimension (W*D*H)	Outline	mm	930×765×1605			1340×765×1605
	Package	mm	1010×840×1775			1420×840×1775
Net weight/Gross weight	kg	233/243	233/243	302/317	346/361	346/361
Loading quantity	40' GP	set	24	24	16	16
	40' HQ	set	24	24	16	16

50/60Hz

Model		NCHS1B	NCHS2B	NCHS4B	NCHS8B
Max.IDU Branches	unit	1	2	4	8
No. of connectable IDU of each branch	unit	8	8	8	8
Total Connectable IDU	unit	8	16	32	64
Max. Capacity of each branch	W/W	14	14	14	14
Max. Capacity of connectable IDU	W/W	14	28	45	65
Power supply	V/Ph/Hz	220-240V-1Ph-50/60Hz			
Power consumption	W	8	20	44	80
Maximum drive IDU NO.	unit	1	2	4	8
Outdoor Unit Piping Connection	Liquid	mm	Φ9.52	Φ9.52	Φ12.7
	Gas(High pressure)	mm	Φ15.9	Φ19.05	Φ22.2
indoor Unit Piping Connection	Gas(Low pressure)	mm	Φ19.05	Φ22.2	Φ28.6
	Liquid	mm	Φ9.52	Φ9.52	Φ9.52
Connection	Gas	mm	Φ15.9	Φ15.9	Φ15.9

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

ODU Combination Lineup-GMV5 HR

Model	GMV-Q224WM/B-X (8HP)	GMV-Q280WM/B-X (10HP)	GMV-Q335WM/B-X (12HP)	GMV-Q400WM/B-X(14HP)	GMV-Q450WM/B-X(16HP)
GMV-Q224WM/B-X	●				
GMV-Q280WM/B-X		●			
GMV-Q335WM/B-X			●		
GMV-Q400WM/B-X				●	
GMV-Q450WM/B-X					●
GMV-Q504WM/B-X	●	●			
GMV-Q560WM/B-X		●●			
GMV-Q615WM/B-X		●	●		
GMV-Q680WM/B-X		●		●	
GMV-Q730WM/B-X		●			●
GMV-Q785WM/B-X			●		●
GMV-Q850WM/B-X				●	●
GMV-Q900WM/B-X					●●
GMV-Q960WM/B-X		●●		●	
GMV-Q1010WM/B-X		●●			●
GMV-Q1065WM/B-X		●	●		●
GMV-Q1130WM/B-X		●		●	●
GMV-Q1180WM/B-X		●		●●	
GMV-Q1235WM/B-X			●		●●
GMV-Q1300WM/B-X				●	●●
GMV-Q1350WM/B-X					●●●
GMV-Q1410WM/B-X		●●		●	●
GMV-Q1460WM/B-X		●●			●●
GMV-Q1515WM/B-X		●		●●	●
GMV-Q1580WM/B-X		●		●	●●
GMV-Q1630WM/B-X		●			●●●
GMV-Q1685WM/B-X				●●	●●
GMV-Q1750WM/B-X				●	●●●
GMV-Q1800WM/B-X					●●●●

Specification of ODU Combination of GMV5 HR

Model	Power Supply	Capacity		Power Input		Dimension (W×D×H)	Airflow Volume	ESP	Sound Pressure Level	Operation sound pressure level at night	Connecting pipe diameter			Min.circuit current	Max. fuse current	Weight
		Cooling	Heating	Cooling	Heating						Liquid	HP Gas	LP Gas			
		kW	kW	kW	kW						mm	mm	mm			
GMV-Q224WM/B-X	380-415V 50/60Hz	22.40	25.00	5.20	5.30	930×765×1605	11400	82	60	40	Φ9.52	Φ15.9	Φ19.05	16.3	20	233.0
GMV-Q280WM/B-X		28.00	31.50	6.90	7.30	930×765×1605	11400	82	61	40	Φ9.52	Φ19.05	Φ22.2	20.9	25	233.0
GMV-Q335WM/B-X		33.50	37.50	8.20	8.70	1340×765×1605	14000	82	63	40	Φ12.7	Φ19.05	Φ25.4	24.7	32	302.0
GMV-Q400WM/B-X		40.00	45.00	10.60	10.80	1340×765×1605	14000	82	63	40	Φ12.7	Φ22.2	Φ25.4	28.8	40	346.0
GMV-Q450WM/B-X		45.00	50.00	12.10	12.50	1340×765×1605	14000	82	63	40	Φ12.7	Φ22.2	Φ28.6	33.2	40	346.0
GMV-Q504WM/B-X		50.40	56.50	12.10	12.60	2×(930×765×1605)	22800	82	64	43	Φ15.9	Φ25.4	Φ28.6	37.2	40	466.0
GMV-Q560WM/B-X		56.00	62.50	13.80	14.60	2×(930×765×1605)	22800	82	64	43	Φ15.9	Φ25.4	Φ28.6	41.8	50	466.0
GMV-Q615WM/B-X		61.50	69.00	15.10	16.00	(930×765×1605)+(1340×765×1605)	25400	82	65	43	Φ15.9	Φ25.4	Φ28.6	45.6	50	535.0
GMV-Q680WM/B-X		68.00	76.50	17.50	18.10	(930×765×1605)+(1340×765×1605)	25400	82	65	43	Φ15.9	Φ25.4	Φ28.6	49.7	63	579.0
GMV-Q730WM/B-X		73.00	81.50	19.00	19.80	(930×765×1605)+(1340×765×1605)	25400	82	65	43	Φ19.05	Φ28.6	Φ31.8	54.1	63	579.0
GMV-Q785WM/B-X		78.50	87.50	20.30	21.20	2×(1340×765×1605)	28000	82	66	43	Φ19.05	Φ28.6	Φ31.8	57.9	80	648.0
GMV-Q850WM/B-X		85.00	95.00	22.70	23.30	2×(1340×765×1605)	28000	82	66	43	Φ19.05	Φ28.6	Φ31.8	62	80	692.0
GMV-Q900WM/B-X		90.00	100.00	24.20	25.00	2×(1340×765×1605)	28000	82	66	43	Φ19.05	Φ28.6	Φ31.8	66.4	80	692.0
GMV-Q960WM/B-X		96.00	108.00	24.40	25.40	2×(930×765×1605)+(1340×765×1605)	36800	82	67	43	Φ19.05	Φ28.6	Φ31.8	70.6	80	812.0
GMV-Q1010WM/B-X		101.00	113.00	25.90	27.10	2×(930×765×1605)+(1340×765×1605)	36800	82	67	43	Φ19.05	Φ31.8	Φ38.1	75	80	812.0
GMV-Q1065WM/B-X		106.50	119.00	27.20	28.50	(930×765×1605)+2×(1340×765×1605)	39400	82	67	43	Φ19.05	Φ31.8	Φ38.1	78.8	100	881.0
GMV-Q1130WM/B-X		113.00	126.50	29.60	30.60	(930×765×1605)+2×(1340×765×1605)	39400	82	67	45	Φ19.05	Φ31.8	Φ38.1	82.9	100	925.0
GMV-Q1180WM/B-X		118.00	131.50	31.10	32.30	(930×765×1605)+2×(1340×765×1605)	39400	82	67	45	Φ19.05	Φ31.8	Φ38.1	87.3	100	925.0
GMV-Q1235WM/B-X		123.50	137.50	32.40	33.70	3×(1340×765×1605)	42000	82	68	45	Φ19.05	Φ31.8	Φ38.1	91.1	125	994.0
GMV-Q1300WM/B-X		130.00	145.00	34.80	35.80	3×(1340×765×1605)	42000	82	68	45	Φ19.05	Φ31.8	Φ38.1	95.2	125	1038.0
GMV-Q1350WM/B-X	135.00	150.00	36.30	37.50	3×(1340×765×1605)	42000	82	68	45	Φ19.05	Φ31.8	Φ38.1	99.6	125	1038.0	
GMV-Q1410WM/B-X	141.00	158.00	36.50	37.90	2×(930×765×1605)+2×(1340×765×1605)	50800	82	69	45	Φ19.05	Φ38.1	Φ41.3	103.8	125	1158.0	
GMV-Q1460WM/B-X	146.00	163.00	38.00	39.60	2×(930×765×1605)+2×(1340×765×1605)	50800	82	69	45	Φ19.05	Φ38.1	Φ41.3	108.2	125	1158.0	
GMV-Q1515WM/B-X	151.50	169.00	39.30	41.00	(930×765×1605)+3×(1340×765×1605)	53400	82	69	45	Φ19.05	Φ38.1	Φ41.3	112	125	1227.0	
GMV-Q1580WM/B-X	158.00	176.50	41.70	43.10	(930×765×1605)+3×(1340×765×1605)	53400	82	69	45	Φ19.05	Φ38.1	Φ41.3	116.1	125	1271.0	
GMV-Q1630WM/B-X	163.00	181.50	43.20	44.80	(930×765×1605)+3×(1340×765×1605)	53400	82	69	45	Φ19.05	Φ38.1	Φ41.3	120.5	160	1271.0	
GMV-Q1685WM/B-X	168.50	187.50	44.50	46.20	4×(1340×765×1605)	56000	82	70	45	Φ19.05	Φ38.1	Φ41.3	124.3	160	1340.0	
GMV-Q1750WM/B-X	175.00	195.00	46.90	48.30	4×(1340×765×1605)	56000	82	70	47	Φ19.05	Φ38.1	Φ41.3	128.4	160	1384.0	
GMV-Q1800WM/B-X	180.00	200.00	48.40	50.00	4×(1340×765×1605)	56000	82	70	47	Φ19.05	Φ38.1	Φ41.3	132.8	160	1384.0	

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

GMV5 Home



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

Outdoor Unit



Water Tank SXD200LC JW/C1--K*2



Hydro Box



Hot water converter*1



Golden fin condenser



Inner groove copper



Compact design



High efficiency



Wide voltage range



Easier maintainability

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(DB 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	GMV-S224W/A-X	GMV-S280W/A-X
Capacity	Cooling	12.1	14	16	22.40	28.00
	Heating	14	16.5	18.5	25.00	31.50
ECOP	kW/kW	/	/	/	7.00	7.00
Power supply	V/Ph/Hz	220-240V~1Ph~50/60Hz	220-240V~1Ph~50/60Hz	220-240V~1Ph~50/60Hz	380 ~ 415V 3Ph 50/60Hz	380 ~ 415V 3Ph 50/60Hz
Refrigerant Charge volume	kg	5	5	10.50	11.00	11.00
Rated power input	Cooling	3.05	3.98	4.85	5.35	7.70
	Heating	3.3	4.1	4.67	5.80	7.60
	Water Heating	3.3	3.8	4.2	5.00	5.20
Airflow volume	m³/h	6000	6300	6600	14000.00	14000.00
	CFM	3531	3708	3884	8239.00	8239.00
Sound pressure level	dB(A)	55	56	58	57	58
Connecting pipe diameter	Gas	mm	Φ15.9	Φ15.9	Φ19.05	Φ22.2
	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9
	(high pressure)	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9
Dimension (WxDxH)	Outline	mm	900x340x1345	900x340x1345	900x340x1345	1340x765x1605
	Package	mm	998x458x1515	998x458x1515	998x458x1515	1420x840x1775
Net weight/Gross weight	kg	113/123	113/123	113/123	295/310	295/310
Loading quantity	40' GP	set	57	57	57	16.00
	40' HQ	set	57	57	57	16.00

Water Tank

Model		SXVD200LCJ/A-K	SXVD300LCJ/A-K
Tank volume	L	200	300
Max. working pressure	Mpa	0.7	0.7
Auxiliary electrical heater power input	kW	3.0	3.0
Power supply	V-Ph-Hz	1Ph,220-240V,50Hz	
Dimension	Thickness(inner)	mm	1.5
	Thickness(external)	mm	50
	Outline diameter	mm	540
	Outline height	mm	1595
	Package(WxDxH)	mm	625×1620×630
Net/Gross weight	kg	68/77	82/92
Outer diameter	Circular pipe	mm	DN20
	Cold water pipe	mm	DN15
	Hot water pipe	mm	DN15
Loading quantity	40'GP/40'HQ	set	78/104

Model		SXVD200LCJ2/A-K	SXVD300LCJ2/A-K
Tank volume	L	200	300
Max. working pressure	Mpa	0.7	0.7
Auxiliary electrical heater power input	kW	3.0	3.0
Power supply	V-Ph-Hz	1Ph,220-240V,50Hz	
Dimension	Thickness(inner)	mm	1.5
	Thickness(external)	mm	50
	Outline diameter	mm	540
	Outline height	mm	1595
	Package(WxDxH)	mm	625×1620×630
Net/Gross weight	kg	71/80	87/97
Outer diameter	Circular pipe	mm	DN20
	Cold water pipe	mm	DN15
	Hot water pipe	mm	DN15
Loading quantity	40'GP/40'HQ	set	78/104

Hydro Box

Model		NRQD16G/A-S
Heating capacity	kW	4.5(2.8-16)
Dimension (WxDxH)	Outline	mm
	Package	mm
Power supply	Ph/V/Hz	1Ph 220 ~ 240V 50/60Hz
Connecting pipe diameter	to ODU	Gas
	Liquid	mm
	Gas(High Pressure)	mm
	to water tank	mm
Water pump	Type	—
	Power input	kW
	Water flow	L/h
	Delivery lift	m
	Net weight/Gross weight	kg
Loading quantity	40'GP/40'HQ	set

Hot Water Converter

Model		NRZ16G/A-S
Heating capacity	kW	4.5(2.8~5.6)
Dimension (WxDxH)	Outline	mm
	Package	mm
Power supply	Ph/V/Hz	1Ph 220 ~ 240V 50/60Hz
Connecting pipe diameter	to ODU	Gas
	Liquid	mm
	Gas(high pressure)	mm
Net/Gross Weight	kg	8.5/13.5
Loading quantity	40'GP	set

Water Tank

Model		SXD200LCJW/C1-K
Capacity	L	185
Power Supply for Electric Heater	-	220V-240V~50Hz
Input Power for Electric Heater	W	1500
Outline Dimensions(W x D x H)	mm	545×545×1919
Package Dimensions(W x D x H)	mm	2009×656×625
Water Tank Gross/Net Weight	kg	60/52
Outer Size of Connection Pipe	mm	Φ6, Φ9.52

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 SXD200LCJW/C1-K.

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

GMV Water



Water Source Heat Pump VRF System integrates the advantages of 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 source. 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.



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



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



Wide operation range
Unit can operate in wide range, greatly reducing the ambient temperature limitation.



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



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.



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

- ① 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 soil, with higher operating efficiency and lower energy consumption. The water side can be a cooling tower or boiler or the application of surface water (river water, lake water, sea water), ground water, soil heat, solar power, waste heat, waste water or other kinds of renewable sources.
- ② 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/soil source. The application of water source/soil source is varied and can be coordinated with constant-temperature water/soil, cooling tower or boiler. Compared with 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.
- ③ Suitable to different constructions, no influence on building appearance
The water source heat pump VRF system is suitable to 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.
- ④ No influence of weather
The water source heat pump VRF system exchanges heat with water or soil source through outdoor units, so it won't be affected by air temperature. In winter, when system is in heating operation, outdoor units won't get frosted or run in defrosting mode, so as to guarantee stable heating performance.
- ⑤ 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.



Outdoor Unit

Model		GMV-W224WM/A-X		GMV-W280WM/A-X	
Capacity	Cooling	kW	22.4		28
	Heating	kW	25		31.5
Sound pressure level		dB (A)	57		59
Power supply		Ph/V/Hz	3/380-415/50/60Hz		
Water flow volume		m ³ /h	4.8		6
		CFM	2.83		3.53
Water pressure drop		Kpa	16		24
Rater Power Input	Cooling	kW	5.9		6.4
	Heating	kW	5.45		5.9
Refrigerant Connecting Pipe diameter	Gas	mm	Φ22.2		Φ22.2
	Liquid	mm	Φ9.52		Φ9.52
Water connecting pipe diameter	Inlet	mm	DN32		DN32
	Outlet	mm	DN32		DN32
Dimension(W*D*H)		mm	780x550x1000		780x550x1000
Net weight/Gross weight		kg	149/163		154/168
Loading quantity	40' GP	set	108		108
	40' HQ	set	108		108

Combination of ODU

Model	Power Supply	Capacity		Power Input		Dimension(W*D*H) mm	Water flow volume m ³ /h	Sound Pressure dB(A)	Connecting pipe diameter		Min.circuit current A	Max. fuse current A	Weight kg
		Cooling kW	Heating kW	Cooling kW	Heating kW				Liquid mm	Gas mm			
GMV-W448WM/A-X	380-415V ~3N ~50/60Hz	44.8	50	11.8	10.9	(780×550×1000) ×2	4.8×2	60	Φ28.6	Φ12.7	35.1	40	149×2
GMV-W504WM/A-X		50.4	56.5	12.3	11.35	(780×550×1000) ×2	4.8+6	61	Φ28.6	Φ15.9	35.3	40	149+154
GMV-W560WM/A-X		56	63	12.8	11.8	(780×550×1000) ×2	6×2	62	Φ28.6	Φ15.9	35.5	40	154×2
GMV-W672WM/A-X		67.2	75	17.7	16.35	(780×550×1000) ×3	4.8×3	62	Φ28.6	Φ15.9	52.6	63	149×3
GMV-W728WM/A-X		72.8	81.5	18.2	16.8	(780×550×1000) ×3	4.8×2+6	63	Φ31.8	Φ19.05	52.8	63	149×2+154
GMV-W784WM/A-X		78.4	88	18.7	17.25	(780×550×1000) ×3	4.8+6×2	64	Φ31.8	Φ19.05	53	63	149+154×2
GMV-W840WM/A-X		84	94.5	19.2	17.7	(780×550×1000) ×3	6×3	64	Φ31.8	Φ19.05	53.2	63	154×3
GMV-W896WM/A-X		89.6	100	23.6	21.8	(780×550×1000) ×4	4.8×4	64	Φ31.8	Φ19.05	70.1	80	149×4
GMV-W952WM/A-X		95.2	106.5	24.1	22.25	(780×550×1000) ×4	4.8×3+6	64	Φ31.8	Φ19.05	70.4	80	149×3+154
GMV-W1008WM/A-X		100.8	113	24.6	22.7	(780×550×1000) ×4	4.8×2+6×2	65	Φ38.1	Φ19.05	70.6	80	149×2+154×2
GMV-W1064WM/A-X		106.4	119.5	25.1	23.15	(780×550×1000) ×4	4.8+6×3	65	Φ38.1	Φ19.05	70.8	80	149+154×3
GMV-W1120WM/A-X		112	126	25.6	23.6	(780×550×1000) ×4	6×4	66	Φ38.1	Φ19.05	71	80	154×4

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

Specifications of Indoor Units

Type of indoor unit	Specification	22	25	28	32	36	40	45	50	56	63	71	72	80	90	100	112	125	140	160	224	280	450	560
High Static Pressure Duct Type Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Low Static Pressure Duct Type Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Slim Ducted Type Indoor Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
4-way Cassette Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Compact 4-way Cassette Indoor Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
2-way Cassette Indoor Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1-way Cassette Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Wall-mounted Type Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Floor Ceiling Type Indoor Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Console Indoor Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Floor Standing Type Indoor Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fresh Air Processing Indoor Unit		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
AHU KIT		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Duct Type Indoor Unit

High Static Pressure Duct Type Indoor Unit

50/60Hz

Model		GMV-ND22PHS/B-T*1	GMV-ND25PHS/B-T*1	GMV-ND28PHS/B-T*1	GMV-ND32PHS/B-T*1	GMV-ND36PHS/B-T*1	GMV-ND40PHS/B-T*1	
Capacity	Cooling	kW	2.2	2.5	2.8	3.2	3.6	4.0
	Heating	kW	2.5	2.8	3.2	3.6	4.0	4.5
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60					
Power consumption	W		85	85	85	100	100	150
Airflow volume(H/M/L)	m³/h		550/480/400	550/480/400	550/480/400	600/500/420	600/500/420	850/700/600
	CFM		324/282/235	324/282/235	324/282/235	353/294/247	353/294/247	500/412/353
Rated Current ²	Cooling	A	0.4	0.4	0.4	0.5	0.5	0.7
	Heating	A	0.4	0.4	0.4	0.5	0.5	0.7
	Water Heating	A	/	/	/	/	/	/
ESP	Pa		60/0~150	60/0~150	60/0~150	60/0~150	60/0~150	60/0~150
Sound pressure level(H/M/L)	dB(A)		35/33/31	35/33/31	35/33/31	36/34/32	36/34/32	40/37/34
Connecting pipe diameter	Liquid	mm	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35	φ6.35
	Gas	mm	φ9.52	φ9.52	φ9.52	φ12.7	φ12.7	φ12.7
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
Dimension (WxDxH)	Outline	mm	700×700×300	700×700×300	700×700×300	700×700×300	700×700×300	700×700×300
	Package	mm	897×808×362	897×808×362	897×808×362	897×808×362	897×808×362	897×808×362
Net weight/Gross weight	kg		32/38	32/38	32/38	32/38	32/38	34/40
Loading	40' GP	set	168	168	168	168	168	168
	40' HQ	set	196	196	196	196	196	196

Model		GMV-ND45PHS/B-T*1	GMV-ND50PHS/B-T*1	GMV-ND56PHS/B-T*1	GMV-ND63PHS/B-T*1	GMV-ND71PHS/B-T*1	GMV-ND80PHS/B-T*1	
Capacity	Cooling	kW	4.5	5.0	5.6	6.3	7.0	8.0
	Heating	kW	5.0	5.6	6.3	7.1	8.0	9.0
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60					
Power consumption	W		150	150	210	210	230	230
Airflow volume(H/M/L)	m³/h		850/700/600	850/700/600	1000/800/700	1000/800/700	1250/1050/950	1250/1050/950
	CFM		500/412/353	500/412/353	589/471/412	589/471/412	736/618/559	736/618/559
Rated Current ²	Cooling	A	0.7	0.7	1.0	1.0	1.1	1.1
	Heating	A	0.7	0.7	1.0	1.0	1.1	1.1
	Water Heating	A	/	/	/	/	/	/
ESP	Pa		60/0~150	60/0~150	90/0~200	90/0~200	90/0~200	90/0~200
Sound pressure level(H/M/L)	dB(A)		40/37/34	40/37/34	42/38/35	42/38/35	43/39/35	43/39/35
Connecting pipe diameter	Liquid	mm	φ6.35	φ6.35	φ9.52	φ9.52	φ9.52	φ9.52
	Gas	mm	φ12.7	φ12.7	φ15.9	φ15.9	φ15.9	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
Dimension (WxDxH)	Outline	mm	700×700×300	700×700×300	1000×700×300	1000×700×300	1000×700×300	1000×700×300
	Package	mm	897×808×362	897×808×362	1205×813×360	1205×813×360	1205×813×360	1205×813×360
Net weight/Gross weight	kg		34/40	34/40	43/49	43/49	43/49	43/49
Loading	40' GP	set	168	168	138	138	138	138
	40' HQ	set	196	196	161	161	161	161

Model		GMV-ND90PHS/B-T*1	GMV-ND100PHS/B-T*1	GMV-ND112PHS/B-T*1	GMV-ND125PHS/B-T*1	GMV-ND140PHS/B-T*1	GMV-ND160PHS/B-T*1	
Capacity	Cooling	kW	9.0	10.0	11.2	12.5	14.0	16.0
	Heating	kW	10.0	11.2	12.5	14.0	16.0	18.0
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60					
Power consumption	W		280	280	350	350	400	450
Airflow volume(H/M/L)	m³/h		1800/1450/1250	1800/1450/1250	2000/1600/1400	2000/1600/1400	2350/1900/1650	2500/2000/1750
	CFM		1059/853/736	1059/853/736	1177/942/824	1177/942/824	1383/1118/971	1471/1177/1030
Rated Current ²	Cooling	A	1.3	1.3	1.6	1.6	1.9	2.1
	Heating	A	1.3	1.3	1.6	1.6	1.9	2.1
	Water Heating	A	/	/	/	/	/	/
ESP	Pa		90/0~200	90/0~200	90/0~200	90/0~200	90/0~200	90/0~200
Sound pressure level(H/M/L)	dB(A)		44/41/38	44/41/38	45/42/40	45/42/40	46/43/41	47/44/42
Connecting pipe diameter	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	φ25	φ25	φ25	φ25	φ25	φ25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Dimension (WxDxH)	Outline	mm	1400×700×300	1400×700×300	1400×700×300	1400×700×300	1400×700×300	1400×700×300
	Package	mm	1601×813×360	1601×813×360	1601×813×360	1601×813×360	1678×808×365	1678×808×365
Net weight/Gross weight	kg		57/64	57/64	57/64	57/64	58/67	58/67
Loading	40' GP	set	84	84	84	84	84	84
	40' HQ	set	98	98	98	98	98	98

Note:*1.This product model is under development.Gree reserves the right to modify the specifications without prior notice.

50/60 Hz

Model			GMV-ND56PHS/A-T	GMV-ND63PHS/A-T	GMV-ND71PHS/A-T	GMV-ND80PHS/A-T	GMV-ND90PHS/A-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		220~240/1/50 & 208~230/1/60					
Power consumption	W		120	120	130	130	200	
Airflow volume(H/M/L)	m³/h		1000/800/600	1000/800/600	1100/900/700	1100/900/700	1700/1450/1100	
	CFM		590/471/355	590/471/355	650/530/410	650/530/410	1000/853/650	
Rated Current ²	Cooling	A	0.6	0.6	0.6	0.6	1.0	
	Heating	A	0.6	0.6	0.6	0.6	1.0	
	Water Heating	A	/	/	/	/	/	
ESP	Pa		70/0~100					
Sound pressure level(H/M/L)	dB(A)		44/40/36	44/40/36	45/41/37	45/41/37	46/44/42	
Connecting pipe diameter	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 (WxDxH)	Outline	mm	1271x558x268				1229x775x290	
	Package	mm	1348x597x283				1338x877x305	
Net weight/Gross weight	kg		35/40	35/40	35/40	35/40	47/54	
Loading	40' GP	set	192	192	192	192	128	
	40' HQ	set	216	216	216	216	128	

Model			GMV-ND100PHS/A-T	GMV-ND112PHS/A-T	GMV-ND125PHS/A-T	GMV-ND140PHS/A-T	GMV-ND160PHS/A-T	GMV-ND224PH/A-T	GMV-ND280PH/A-T		
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	16.00	22.4	28.0		
	Heating	kW	11.2	12.5	14.0	16.0	17.00	25.0	31.0		
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60								
Power consumption	W		200	200	220	220	560	800	900		
Airflow volume(H/M/L)	m³/h		1700/1450/1100	1700/1450/1100	2000/1550/1200	2000/1700/1400	2650	4000	4400		
	CFM		1000/853/650	1000/853/650	1175/912/706	1175/1000/824	1560	2355	2590		
Rated Current ²	Cooling	A	1.0	1.0	1.0	1.0	4	4.1	4.6		
	Heating	A	1.0	1.0	1.0	1.0	4	4.1	4.6		
	Water Heating	A	/	/	/	/	/	/	/		
ESP	Pa		70/0~100			70/0~150	150/50~200	150/50~200			
Sound pressure level(H/M/L)	dB(A)		46/44/42	46/44/42	48/45/42	48/46/44	50/48/46	54.0	55.0		
Connecting pipe diameter	Liquid	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52		
	Gas	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9	Φ19	Φ19.05	Φ22.2		
Drain pipe	External dia.	mm	Φ25	Φ25	Φ25	Φ25	Φ20	Φ30	Φ30		
	Thickness	mm	2.5	2.5	2.5	2.5	1.2	1.5	1.5		
Dimension (WxDxH)	Outline	mm	1229x775x290						1340x750x350	1483x791x385	1686x870x450
	Package	mm	1338x877x305						1423x837x455	1578x883x472	1788x988x580
Net weight/Gross weight	kg		47/54	47/54	47/54	47/54	60/71	82/104	105/140		
Loading	40' GP	set	128	128	128	128	110	52	52		
	40' HQ	set	128	128	128	128	110	65	52		

Low Static Pressure Duct Type Indoor Unit
50/60 Hz

Model			GMV-ND22PLS/A-T	GMV-ND25PLS/A-T	GMV-ND28PLS/A-T	GMV-ND32PLS/A-T	GMV-ND36PLS/A-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		220~240/1/50 & 208~230/1/60				
Power consumption	W		35	35	35	43	43
Airflow volume(H/M/L)	m³/h		450/350/250	450/350/250	450/350/250	550/450/350	550/450/350
	CFM		265/206/147	265/206/147	265/206/147	325/265/206	325/265/206
Rated Current ²	Cooling	A	0.2	0.2	0.2	0.2	0.2
	Heating	A	0.2	0.2	0.2	0.2	0.2
	Water Heating	A	/	/	/	/	/
ESP	Pa		15/0~30				
Sound pressure level(H/M/L)	dB(A)		31/28/25	31/28/25	31/28/25	32/30/27	32/30/27
Connecting pipe diameter	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	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Dimension (WxDxH)	Outline	mm	700 x 615 x 200				
	Package	mm	893x743x305				
Net weight/Gross weight	kg		22/27	22/27	22/27	22/28	22/28
Loading	40' GP	set	192	192	192	192	192
	40' HQ	set	192	192	192	192	192

Model			GMV-ND40PLS/A-T	GMV-ND45PLS/A-T	GMV-ND50PLS/A-T	GMV-ND56PLS/A-T	GMV-ND63PLS/A-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		220~240/1/50 & 208~230/1/60					
Power consumption	W		52	52	52	99	99	
Airflow volume(H/M/L)	m³/h		700/600/450	700/600/450	700/600/450	1000/800/600	1000/800/600	
	CFM		410/355/265	410/355/265	410/355/265	590/471/355	590/471/355	
Rated Current ²	Cooling	A	0.3	0.3	0.3	0.5	0.5	
	Heating	A	0.3	0.3	0.3	0.5	0.5	
	Water Heating	A	/	/	/	/	/	
ESP	Pa		15/0~30					
Sound pressure level(H/M/L)	dB(A)		33/31/28	33/31/28	33/31/28	35/33/30	35/33/30	
Connecting pipe diameter	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	25	25	25	25	25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	
Dimension (WxDxH)	Outline	mm	900 x 615 x 200				1100 x 615 x 200	
	Package	mm	1123x743x305				1323x743x305	
Net weight/Gross weight	kg		27/33	27/33	27/33	31/38	31/38	
Loading	40' GP	set	192	192	192	162	162	
	40' HQ	set	192	192	192	162	162	

Model			GMV-ND71PLS/A-T	GMV-ND80PLS/A-T	GMV-ND90PLS/A-T	GMV-ND100PLS/A-T	GMV-ND112PLS/A-T	GMV-ND125PLS/A-T	GMV-ND140PLS/A-T	
Capacity	Cooling	kW	7.1	8.0	9.0	10.0	11.2	12.5	14.0	
	Heating	kW	8.0	9.0	10.0	11.2	12.5	14.0	16.0	
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60							
Power consumption	W		105	140	209	209	209	230	230	
Airflow volume(H/M/L)	m³/h		1000/800/600	1100/1000/800	1500/1250/950	1500/1350/1000	1700/1500/1100	2000/1500/1150	2000/1500/1150	
	CFM		590/471/355	650/590/471	885/736/599	885/795/590	1000/885/650	1175/885/677	1175/885/677	
Rated Current ²	Cooling	A	0.5	0.7	1.0	1.0	1.0	1.1	1.1	
	Heating	A	0.5	0.7	1.0	1.0	1.0	1.1	1.1	
	Water Heating	A	/	/	/	/	/	/	/	
ESP	Pa		30/0~50							
Sound pressure level(H/M/L)	dB(A)		35/33/30	36/34/31	40/36/32	40/36/32	40/36/32	42/40/37	42/40/37	
Connecting pipe diameter	Liquid	mm	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	
Drain pipe	External dia.	mm	25	25	25	25	25	25	25	
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Dimension (WxDxH)	Outline	mm	1200 x 655 x 260				1340 x 655 x 260			
	Package	mm	1448x858x315				1591x861x330			
Net weight/Gross weight	kg		40/47	40/47	46/55	46/55	46/55	47/56	47/56	
Loading	40' GP	set	96	96	78	78	78	78	78	
	40' HQ	set	96	96	78	78	78	78	78	

Slim Ducted Type Indoor Unit

50/60 Hz

Model			GMV-ND22PL/B-T*	GMV-ND25PL/B-T*	GMV-ND28PL/B-T*	GMV-ND32PL/B-T*	GMV-ND36PL/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		220~240/1/50 & 208~230/1/60				
Power consumption	W		25	25	25	30	30
Airflow volume(H/M/L)	m³/h		450/400/320	450/400/320	450/400/320	550/450/340	550/450/340
	CFM		265/235/188	265/235/188	265/235/188	324/265/200	324/265/200
Rated Current ²	Cooling	A	0.2	0.2	0.2	0.3	0.3
	Heating	A	0.2	0.2	0.2	0.3	0.3
	Water Heating	A	/	/	/	/	/
ESP	Pa		0/15				
Sound pressure level(H/M/L)	dB(A)		30/28/22	30/28/22	30/28/22	31/29/25	31/29/25
Connecting pipe diameter	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 (WxDxH)	Outline	mm	710x450x200				
	Package	mm	1003x551x285				
Net weight/Gross weight	kg		18.5/22	18.5/22	18.5/22	19.5/23	19.5/23
Loading	40' GP	set	352	352	352	352	352
	40' HQ	set	352	352	352	352	352

Model			GMV-ND40PL/B-T*	GMV-ND45PL/B-T*	GMV-ND50PL/B-T*	GMV-ND56PL/B-T*	GMV-ND63PL/B-T*	GMV-ND72PL/B-T*
Capacity	Cooling	kW	4.0	4.5	5.0	5.6	6.3	7.2
	Heating	kW	4.5	5.0	5.6	6.3	7.0	8.0
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60					
Power consumption	W		35	35	35	45	45	50
Airflow volume(H/M/L)	m³/h		750/660/540	750/660/540	750/660/540	850/700/610	850/700/610	1100/800/640
	CFM		441/388/318	441/388/318	441/388/318	500/412/359	500/412/359	647/471/377
Rated Current²	Cooling	A	0.3	0.3	0.3	0.3	0.3	0.5
	Heating	A	0.3	0.3	0.3	0.3	0.3	0.5
	Water Heating	A	/	/	/	/	/	/
ESP	Pa		0/15					
Sound pressure level(H/M/L)	dB(A)		33/30/27	33/30/27	33/30/27	35/33/29	35/33/29	37/34/30
Connecting pipe diameter	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	25	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Dimension (WxDxH)	Outline	mm	1010x450x200					
	Package	mm	1303x551x285					
Net weight/Gross weight	kg		23.5/28	23.5/28	23.5/28	24.5/29	24.5/29	30.5/36
Loading	40' GP	set	288	288	288	288	288	224
	40' HQ	set	288	288	288	288	288	224

Note:
* This series is without water pump.

Cassette Type Indoor Unit

4-way Cassette Indoor Unit

50/60 Hz

Model			GMV-ND28T/A-T	GMV-ND36T/A-T	GMV-ND45T/A-T	GMV-ND50T/A-T	GMV-ND56T/A-T	GMV-ND63T/A-T	GMV-ND71T/A-T
Capacity	Cooling	kW	2.8	3.6	4.5	5.0	5.6	6.3	7.1
	Heating	kW	3.2	4.0	5.0	5.6	6.3	7.1	8.0
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60						
Power consumption	W		48	48	48	50	59	59	68
Airflow volume(H/M/L)	m³/h		750/650/550	750/650/550	750/650/550	830/650/550	1000/900/750	1000/900/750	1180/950/850
	CFM		440/383/325	440/383/325	440/383/325	490/383/325	590/530/440	590/530/440	695/559/550
Rated Current²	Cooling	A	0.2	0.2	0.2	0.2	0.3	0.3	0.3
	Heating	A	0.2	0.2	0.2	0.2	0.3	0.3	0.3
	Water Heating	A	/	/	/	/	/	/	/
Sound pressure level(H/M/L)	dB(A)		36/34/31	36/34/31	36/34/31	36/34/31	37/35/32	37/35/32	38/36/33
Connecting pipe diameter	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	25	25	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main Body (WxDxH)	Outline	mm	840x840x190	840x840x190	840x840x190	840x840x190	840x840x240	840x840x240	840x840x240
	Package	mm	963x963x272	963x963x272	963x963x272	963x963x272	963x963x325	963x963x325	963x963x325
	Net weight/Gross weight	kg	22.5/29.5	22.5/29.5	22.5/29.5	22.5/29.5	26.5/34.5	26.5/34.5	26.5/34.5
Panel (WxDxH)	Outline	mm	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65
	Package	mm	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133
	Net weight/Gross weight	kg	7/11	7/11	7/11	7/11	7/11	7/11	7/11
Loading quantity	40'GP	set	167	167	167	167	140	140	140
	40'HQ	set	171	171	171	171	156	156	156

Model			GMV-ND80T/A-T	GMV-ND90T/A-T	GMV-ND100T/A-T	GMV-ND112T/A-T	GMV-ND125T/A-T	GMV-ND140T/A-T	GMV-ND160T/A-T
Capacity	Cooling	kW	8.0	9.0	10.0	11.2	12.5	14.0	16.0
	Heating	kW	9.0	10.0	11.2	12.5	14.0	16.0	17.5
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60						
Power consumption	W		68	98	98	110	110	110	130
Airflow volume(H/M/L)	m³/h		1180/950/850	1500/1350/1100	1500/1350/1100	1700/1400/1100	1860/1500/1150	1860/1500/1150	2100/1700/1400
	CFM		695/559/550	880/795/650	880/795/650	1000/824/650	1095/880/677	1095/880/677	1235/1000/824
Rated Current²	Cooling	A	0.3	0.4	0.4	0.5	0.5	0.5	0.6
	Heating	A	0.3	0.4	0.4	0.5	0.5	0.5	0.6
	Water Heating	A	/	/	/	/	/	/	/
Sound pressure level(H/M/L)	dB(A)		38/36/33	40/37/35	40/37/35	41/38/36	43/41/38	43/41/38	47/44/42
Connecting pipe diameter	Liquid	mm	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	Φ19.05
Drain pipe	External dia.	mm	25	25	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main Body (WxDxH)	Outline	mm	840x840x240	840x840x320	840x840x320	840x840x320	840x840x320	840x840x320	910x910x293
	Package	mm	963x963x240	963x963x409	963x963x409	963x963x409	963x963x409	963x963x409	1023x993x375
	Net weight/Gross weight	kg	26.5/34.5	32.5/40.0	32.5/40.0	32.5/40.0	32.5/40.0	32.5/40.0	46.5/56.5
Panel (WxDxH)	Outline	mm	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	950x950x65	1040x1040x65
	Package	mm	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1033x1038x133	1137x1137x140
	Net weight/Gross weight	kg	7/11	7/11	7/11	7/11	7/11	7/11	7.5/11.5
Loading quantity	40'GP	set	140	104	104	104	104	104	144
	40'HQ	set	156	119	119	119	119	119	144

Compact 4-way Cassette Indoor Unit

50/60 Hz

Model			GMV-ND22T/B-T	GMV-ND28T/B-T	GMV-ND36T/B-T	GMV-ND45T/B-T	GMV-ND50T/B-T	GMV-ND56T/B-T
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5	5.6
	Heating	kW	2.5	3.2	4	5	5.6	6.3
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60					
Power consumption	W		35	35	35	45	45	45
Airflow volume(H/M/L)	m³/h		600/500/400	600/500/400	600/500/400	700/600/500	700/600/500	700/600/500
	CFM		355/295/235	355/295/235	355/295/235	410/355/295	410/355/295	410/355/295
Rated Current²	Cooling	A	0.4	0.4	0.4	0.5	0.5	0.5
	Heating	A	0.4	0.4	0.4	0.5	0.5	0.5
	Water Heating	A	/	/	/	/	/	/
Sound pressure level(H/M/L)	dB(A)		41/39/35	41/39/35	41/39/35	45/43/38	45/43/38	45/43/38
Connecting pipe diameter	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	25	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5
Main Body (WxDxH)	Outline	mm	596x596x240	596x596x240	596x596x240	596x596x240	596x596x240	596x596x240
	Package	mm	773x733x300	773x733x300	773x733x300	773x733x300	773x733x300	773x733x300
	Net weight/Gross weight	kg	20.5/25.5	20.5/25.5	20.5/25.5	20.5/25.5	20.5/25.5	20.5/25.5
Panel (WxDxH)	Outline	mm	670x670x50	670x670x50	670x670x50	670x670x50	670x670x50	670x670x50
	Package	mm	763x763x105	763x763x105	763x763x105	763x763x105	763x763x105	763x763x105
	Net weight/Gross weight	kg	3.5/5.0	3.5/5.0	3.5/5.0	3.5/5.0	3.5/5.0	3.5/5.0
Loading quantity	40'GP	set	245	245	245	245	245	245
	40'HQ	set	279	279	279	279	279	279

2-way Cassette Indoor Unit

50/60 Hz

Model			GMV-ND28TS/A-T	GMV-ND36TS/A-T	GMV-ND45TS/A-T	GMV-ND50TS/A-T	GMV-ND56TS/A-T	GMV-ND63TS/A-T	GMV-ND71TS/A-T
Capacity	Cooling	kW	2.8	3.6	4.5	5.0	5.6	6.3	7.1
	Heating	kW	3.2	4.0	5.0	5.6	6.3	7.1	8.0
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60						
Power consumption	W		55.0	55.0	55.0	55.0	103.0	103.0	103.0
Airflow volume(H/M/L)	m³/h		830/660/580	830/660/580	830/660/580	830/660/580	1100/900/750	1100/900/750	1100/900/750
	CFM		490/388/341	490/388/341	490/388/341	490/388/341	650/530/441	650/530/441	650/530/441
Rated Current²	Cooling	A	0.3	0.3	0.3	0.3	0.7	0.7	0.7
	Heating	A	0.3	0.3	0.3	0.3	0.7	0.7	0.7
	Water Heating	A	/	/	/	/	/	/	/
Sound pressure level(H/M/L)	dB(A)		35/32/29	35/32/29	35/32/29	35/32/29	39/36/33	39/36/33	39/36/33
Connecting pipe diameter	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52
	Gas	mm	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9
Drain pipe	External dia.	mm	25	25	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Main Body (WxDxH)	Outline	mm	1200x520x315	1200x520x315	1200x520x315	1200x520x315	1200x520x315	1200x520x315	1200x520x315
	Package	mm	1523x658x430	1523x658x430	1523x658x430	1523x658x430	1523x658x430	1523x658x430	1523x658x430
	Net weight/Gross weight	kg	43/54	43/54	43/54	43/54	46/56	46/56	46/56
Panel (WxDxH)	Outline	mm	1443x630x33	1443x630x33	1443x630x33	1443x630x33	1443x630x33	1443x630x33	1443x630x33
	Package	mm	1578x768x120	1578x768x120	1578x768x120	1578x768x120	1578x768x120	1578x768x120	1578x768x120
	Net weight/Gross weight	kg	7.0/11.0	7.0/11.0	7.0/11.0	7.0/11.0	7.0/11.0	7.0/11.0	7.0/11.0
Loading quantity	40'GP	set	90	90	90	90	90	90	90
	40'HQ	set	105	105	105	105	105	105	105

1-way Cassette Indoor Unit 50/60 Hz

Model			GMV-ND22TD/A-T	GMV-ND28TD/A-T	GMV-ND36TD/A-T	GMV-ND45TD/A-T	GMV-ND50TD/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	5.6
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60				
Power consumption	W		30	30	30	45	45
Airflow volume(H/M/L)	m³/h		600/500/450	600/500/450	600/500/450	830/600/500	830/600/500
	CFM		355/295/265	355/295/265	355/295/265	490/355/295	490/355/295
Rated Current ²	Cooling	A	0.2	0.2	0.2	0.3	0.3
	Heating	A	0.2	0.2	0.2	0.3	0.3
	Water Heating	A	/	/	/	/	/
Sound pressure level(H/M/L)	dB(A)		36/32/28	36/32/28	36/32/28	40/35/30	40/35/30
Connecting pipe diameter	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	25	25	25	25	25
	Thickness	mm	2.5	2.5	2.5	2.5	2.5
Main Body	Dimension (WxDxH)	Outline	mm	987x385x178	987x385x178	987x385x178	987x385x178
		Package	mm	1307x501x310	1307x501x310	1307x501x310	1307x501x310
	Net weight/Gross weight	kg	20.0/27.0	20.0/27.0	20.0/27.0	21.0/28.5	21.0/28.5
Panel	Dimension (WxDxH)	Outline	mm	1200x460x55	1200x460x55	1200x460x55	1200x460x55
		Package	mm	1265x536x118	1265x536x118	1265x536x118	1265x536x118
	Net weight/Gross weight	kg	4.2/6.0	4.2/6.0	4.2/6.0	4.2/6.0	
Loading quantity	40' GP	set	138	138	138	138	138
	40' HQ	set	138	138	138	138	138

Wall-mounted Type Indoor Unit

50 Hz

Model			GMV-N22G/A3A-K *	GMV-N28G/A3A-K *	GMV-N36G/A3A-K *	GMV-N45G/A3A-K *	GMV-N50G/A3A-K *	GMV-N56G/A3A-K *	GMV-N63G/A3A-K *	GMV-N71G/A3A-K *	
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.0	5.6	6.3	7.1	
	Heating	kW	2.5	3.2	4.0	5.0	5.8	6.3	7.0	7.5	
Power supply	V/Ph/Hz		220~240/1/50								
Power consumption	W		50	50	60	60	60	70	70	70	
Airflow volume(H/M/L)	m³/h		500/420/350	500/420/350	630/550/480	630/550/480	630/550/480	750/600/500	750/600/500	750/600/500	
	CFM		294/247/206	294/247/206	371/324/282	371/324/282	371/324/282	441/353/294	441/353/294	441/353/294	
Rated Current ²	Cooling	A	0.2	0.2	0.31	0.31	0.31	0.31	0.31	0.31	
	Heating	A	0.2	0.2	0.31	0.31	0.31	0.31	0.31	0.31	
	Water Heating	A	/	/	/	/	/	/	/	/	
Sound pressure level(H/M/L)	dB(A)		38/34/30	38/34/30	44/41/38	44/41/38	44/41/38	44/41/38	44/41/38	44/41/38	
Connecting pipe diameter	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	Φ9.52	
	Gas	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7	Φ12.7	Φ15.9	Φ15.9	Φ15.9	
Drain pipe	External dia.	mm	Φ20	Φ20	Φ20	Φ20	Φ20	Φ30	Φ30	Φ30	
	Thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
Dimension (WxDxH)	Outline	mm	843x180x275			940x200x298			1008x221x319		
	Package	mm	973x258x370			1068x288x395			1131x398x328		
Net weight/Gross weight	kg		10/12.5	10/12.5	12.5/15.5	12.5/15.5	12.5/15.5	15/18.5	15/18.5	15/18.5	
Loading	40' GP	set	702	702	557	557	557	441	441	441	
	40' HQ	set	819	819	624	624	624	503	503	503	

Note:

* This series is without water pump.

Floor Ceiling Type Indoor Unit

50/60 Hz

Model			GMV-ND28ZD/A-T	GMV-ND36ZD/A-T	GMV-ND50ZD/A-T	GMV-ND56ZD/A-T	GMV-ND63ZD/A-T	
Capacity	Cooling	kW	2.8	3.6	5.0	5.6	6.3	
	Heating	kW	3.2	4.0	5.6	6.3	7.1	
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60					
Power consumption	W		40	40	50	50	75	
Airflow volume(H/M/L)	m³/h		650/580/500	650/580/500	950/850/700	950/850/700	1400/1150/1000	
	CFM		380/341/294	380/341/294	560/500/410	560/500/410	825/677/590	
Rated Current ²	Cooling	A	0.2	0.2	0.25	0.4	0.38	
	Heating	A	0.2	0.2	0.25	0.4	0.38	
	Water Heating	A	/	/	/	/	/	
Sound pressure level(H/M/L)	dB(A)		36/34/32	36/34/32	42/38/33	42/38/33	44/42/39	
Connecting pipe diameter	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52	
	Gas	mm	Φ9.52	Φ12.7	Φ12.7	Φ15.9	Φ15.9	
Drain pipe	External dia.	mm	Φ17	Φ17	Φ17	Φ17	Φ17	
	Thickness	mm	1.75	1.75	1.75	1.75	1.75	
Dimension (WxDxH)	Outline	mm	1220x700x225				1420x700x245	
	Package	mm	1343x823x315				1548x828x345	
Net weight/Gross weight	kg		40/49	40/49	40/49	40/49	50/58	
Loading	40' GP	set	145	145	145	145	90	
	40' HQ	set	158	158	158	158	98	

Model			GMV-ND71ZD/A-T	GMV-ND90ZD/A-T	GMV-ND112ZD/A-T	GMV-ND125ZD/A-T	GMV-ND140ZD/A-T
Capacity	Cooling	kW	7.1	9.0	11.2	12.5	14.0
	Heating	kW	8.0	10.0	12.5	14.0	16.0
Power supply	V/Ph/Hz		220~240/1/50 & 208~230/1/60				
Power consumption	W		75	140	160	160	160
Airflow volume(H/M/L)	m³/h		1400/1150/1000	1600/1400/1200	2000/1800/1450	2000/1800/1450	2000/1800/1450
	CFM		825/677/590	940/824/706	1175/1059/853	1175/1059/853	1175/1059/853
Rated Current ²	Cooling	A	0.38	0.7	0.95	0.95	0.95
	Heating	A	0.38	0.7	0.95	0.95	0.95
	Water Heating	A	/	/	/	/	/
Sound pressure level(H/M/L)	dB(A)		44/42/39	50/47/43	51/46/42	52/49/45	52/49/45
Connecting pipe diameter	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	Φ17	Φ17	Φ17	Φ17	Φ17
	Thickness	mm	1.75	1.75	1.75	1.75	1.75
Dimension (WxDxH)	Outline	mm	1420x700x245			1700x700x245	
	Package	mm	1548x828x345			1828x828x345	
Net weight/Gross weight	kg		50/58	50/58	60/68	60/68	60/68
Loading	40' GP	set	90	90	84	84	84
	40' HQ	set	98	98	98	98	98

Console Indoor Unit

50/60 Hz

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	V/Ph/Hz		220-240/1/50 & 208-230/1/60				
Power consumption	W		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
	CFM		235/188/159	235/188/159	282/235/182	400/353/294	400/353/294
Rated Current ²	Cooling	A	0.17	0.17	0.25	0.4	0.4
	Heating	A	0.17	0.17	0.25	0.4	0.4
	Water Heating	A	/	/	/	/	/
ESP	Pa		0	0	0	0	0
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 diameter	Liquid	mm	6.35	6.35	6.35	6.35	6.35
	Gas	mm	9.52	9.52	12.7	12.7	12.7
Drain pipe	External dia.	mm	28	28	28	28	28
	Thickness	mm	1	1	1	1	1
Dimension (WxDxH)	Outline	mm	700/215/600	700/215/600	700/215/600	700/215/600	700/215/600
	Package	mm	788x283x777	788x283x777	788x283x777	788x283x777	788x283x777
Net weight/Gross weight	kg		16/19	16/19	16/19	16/19	16/19
Loading	40' GP	set	348	348	348	348	348
	40' HQ	set	348	348	348	348	348

Floor Standing Type Indoor Unit

50/60 Hz

Model			GMV-ND100L/A-T	GMV-ND140L/A-T
Capacity	Cooling	kW	10	14
	Heating	kW	11	15
Power supply	V/Ph/Hz		220-240/1/50Hz & 208-230/1/60 Hz	
Power consumption	W		200	200
Airflow volume(H/M/L)	m³/h		1850/1600/1400	1850/1600/1400
	CFM		1089/942/824	1089/942/824
Rated Current ²	Cooling	A	1.5	1.5
	Heating	A	1.5	1.5
	Water Heating	A	/	/
ESP	Pa		0	0
Sound pressure level(H/M/L)	dB(A)		50/48/46	50/48/46
Connecting pipe diameter	Liquid	mm	9.52	9.52
	Gas	mm	15.9	15.9
Drain pipe	External dia.	mm	31	31
	Thickness	mm	4.5	4.5
Dimension (WxDxH)	Outline	mm	1870x580x400	
	Package	mm	2083x738x545	
Net weight/Gross weight	kg		54/74	57/77
Loading	40' GP	set	67	67
	40' HQ	set	67	67

AHU KIT Indoor Unit

50/60 Hz

Model			GMV-N36U/A-T	GMV-N71U/A-T	GMV-N140U/A-T	GMV-N280U/A-T	GMV-N560U/A-T
Power	V/Ph/Hz		220-240/1/50 & 208-230/1/60				
Defaulted capacity of ex-factory	Cooling	kW	3.6	7.1	14	28	56
	Heating	kW	4	8	16	31.5	62.5
Adjustable capacity	Cooling	kW	2.8/3.6	4.5/5.6/7.1	9/11.2/14	22.4/28	45/50.4/56
	Heating	kW	3.2/4.0	5.0/6.3/8.0	10/12.5/16	25/31.5	50.0/56.5/62.5
Power	W		5	5	5	5	5
Size of connection pipe	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/Φ15.9/Φ15.9
	Gas pipe	mm	Φ9.52/Φ9.52	Φ12.7/Φ15.9/Φ15.9	Φ15.9/Φ15.9/Φ15.9	Φ19.05/Φ22.2	Φ28.6/Φ28.6/Φ28.6
Connection method	-		Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection	Brazing Connection
Outline dimension	Electronic expansion valve box		203×326×85	203×326×85	203×326×85	203×326×85	246×500×120
(WxDxH)	Control box		334×284×111	334×284×111	334×284×111	334×284×111	334×284×111
Packing size (W×D×H)	mm		539×461×247	539×461×247	539×461×247	539×461×247	759×645×180
Net weight/Gross weight	kg		8.6/11.5	8.6/11.5	8.6/11.5	8.6/11.5	11.8/15.5
Loading	40' GP	set	981	981	981	981	702
	40' HQ	set	1090	1090	1090	1090	756

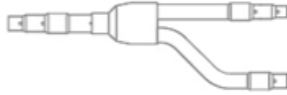

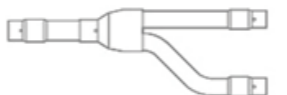
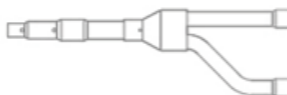
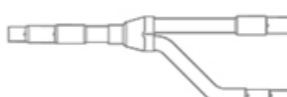
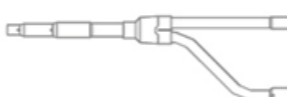



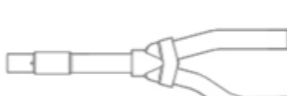
Fresh Air Processing Indoor Unit

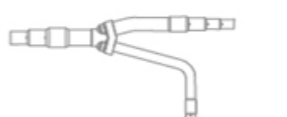
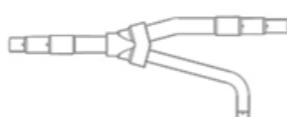
50/60Hz

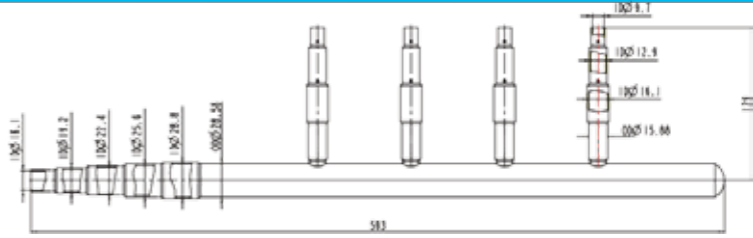
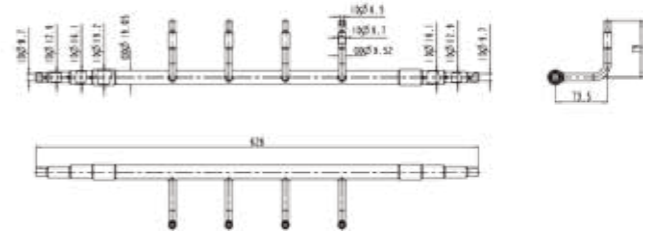
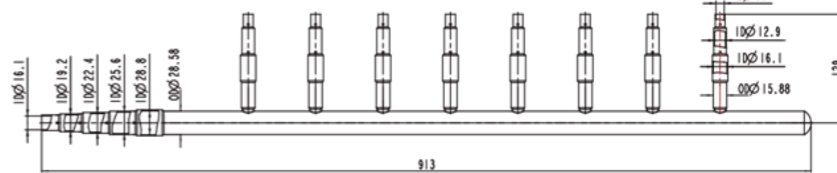

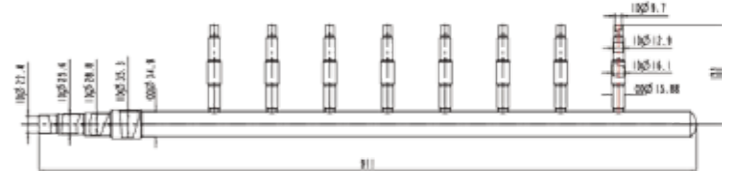

Model			GMV-NX140P/A (X1.2)-K *	GMV-NX450P/A (X4.0)-M *	GMV-NDX224P/A-T*	GMV-NDX280P/A-T*
Capacity	Cooling	kW	14.0	4.5	22.4	28.0
	Heating	kW	10.0	3.2	16.0	20.0
Power supply	V/Ph/Hz		220-240/1/50	380-415/3/50	220-240V/1/50Hz & 208-230/1/60Hz	
Power consumption	W		360	1240	760	860
Airflow volume(H/M/L)	m³/h		1200	4000	2000/1500-3000	2500/2000-3500
	CFM		705	2355	1177/883-2060	1471/1177-2060
Rated Current ²	Cooling	A	1.82	2.22	4.3	4.9
	Heating	A	1.82	2.22	4.3	4.9
	Water Heating	A	/	/	/	/
ESP	Pa		150	200	200/50-300	200/50-300
Sound pressure level(H/M/L)	dB(A)		42	58	45-54	47-54
Connecting pipe diameter	Liquid	mm	Φ9.52	Φ12.7	Φ9.52	Φ9.52
	Gas	mm	Φ15.9	Φ28.6	Φ19.05	Φ22.2
Drain pipe	External dia.	mm	Φ30	Φ33	Φ30	Φ30
	Thickness	mm	1.5	3	1.5	1.5
Dimension (WxDxH)	Outline	mm	1463x756x300	1700x1100x650	1483x791x385	1483x791x385
	Package	mm	1514x785x360	1890x1460x835	1578x883x472	1578x883x472
Net weight/Gross weight	kg		63.5/71	208/266	82/104	82/104
Loading	40' GP	set	84.0	16.0	52	52
	40' HQ	set	98.0	16.0	65	65

Note: * This series can be matched with GMV5(Top discharge outdoor unit)only.

Branching Joint (FOR GMV5 units)

For Indoor Units			
Model	Indoor unit 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	$70 < X \leq 135$		
FQ04/A	$135 < X$		

For Outdoor Units			
Model	Outdoor unit total capacity X (kW)	Appearance	
		Gas pipe	Liquid pipe
ML01/A	$69.0 \leq X$		

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)	Upstream connection pipe dimension		Model of manifold pipe
	Gas pipe(mm)	Liquid pipe(mm)	
$X \leq 40.0$	$\leq \Phi 25.4$	$\leq \Phi 12.7$	FQ14/H1

Total rated capacity of downstream indoor units X(kW)	Upstream connection pipe dimension		Model of manifold pipe
	Gas pipe(mm)	Liquid pipe(mm)	
$X \leq 80.0$	$\leq \Phi 28.6$	$\leq \Phi 15.9$	FQ18/H1
$80.0 < X$	$\geq \Phi 31.8$	$\geq \Phi 19.05$	FQ18/H2

Branching Joint (FOR GMV HR)

For Indoor Units				
Indoor model	Indoor unit total capacity X (kW)	Appearance		
		High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
FQ01Na/A	$X \leq 5.6$			
FQ02Na/A	$5.6 < X \leq 22$			
FQ03Na/A	$22 < X \leq 30$			
FQ04Na/A	$30 < X \leq 68$			
FQ05Na/A	$68 < X \leq 96$			
FQ06Na/A	$96 < X \leq 135$			
FQ07Na/A	$135 < X$			

For Outdoor Units				
Model	Indoor unit total capacity X (kW)	Appearance		
		High-pressure gas pipe	Low-pressure gas pipe	Liquid pipe
ML01R	$22.4 \leq X \leq 96$			
ML02R	$96 < X$			

Energy Recovery Ventilation (ERV)

It is a kind of ventilation systems that could recover the total heat of indoor air to save energy and it is widely used in residential or commercial buildings.



- Inner groove copper
- Intelligent defrosting
- Quiet function
- Compact design
- Easier maintainability
- Weekly timer
- Centralized control

4 models in a range of 350~1000m³/h fit for different spaces and reduce the waste of power.

Filter and heat exchange core can be easily taken out from the access for cleaning.

Internal air filter keeps the fresh air introduced into room pure and dustless.

With antibacterial and anti-mildew materials, the heat exchange core is suitable for healthy.

Unique by-pass mode can reduce power consumption of fan motor to prolong lifetime of heat exchanger core.



Model			FHBQ-D3.5-K	FHBQ-D5-K	FHBQ-D8-K	FHBQ-D10-K
Air flow Volume	H/M/L	m³/h	350/260/210	500/380/300	800/600/480	1000/750/600
ESP	H/M/L	Pa	100/80/60	100/80/60	110/85/65	110/85/65
Temperature exchange efficiency	H/M/L	%	71/73/75	68/70/72	70/72/74	73/77/79
Enthalpy exchange efficiency (H/M/L)	Heating	%	65/67/68	62/64/65	63/65/67	66/68/70
	Cooling	%	61/63/65	57/59/61	60/62/64	62/64/65
Power supply	Ph/V/Hz		1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Power input	W		165	262	400	440
Power input	dB(A)		37	39	45	46
Dimension (W×D×H)	Outline	mm	800×879×306	800×879×306	832×1016×380	832×1016×380
	Package	mm	1050×1165×315	1050×1165×315	1087×1320×400	1087×1320×400
Net weight	kg		45	45	57	57
Gross weight	kg		53	53	66.5	66.5
Loading quantity	40'GP	set	147	147	85	59
	40'HQ	set	168	168	104	67
Standard wired remote controller			Z5N15	Z5N15	Z5N15	Z5N15

Model			FHBQ-D15-M	FHBQ-D20-M	FHBQ-D30-M
Air flow Volume	H/M/L	m³/h	1500	2000	3000
ESP	H/M/L	Pa	150	150	220
Temperature exchange efficiency	H/M/L	%	73	71	70
Enthalpy exchange efficiency (H/M/L)	Heating	%	65	62	62
	Cooling	%	60	58	58
Power supply	Ph/V/Hz		3/380/50	3/380/50	3/380/50
Power input	kW		0.8	0.95	2.8
Power input	dB(A)		48	50	54
Dimension (W×D×H)	Outline	mm	1210×1215×452	1210×1215×452	1340×1550×572
	Package	mm	1540×1550×470	1540×1550×470	1610×1710×700
Net weight	kg		110	110	215
Gross weight	kg		130	130	236
Loading quantity	40'GP	set	37	37	24
	40'HQ	set	44	44	24
Standard wired remote controller			Z5N151	Z5N151	/

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

Control System Lineup

Controlling system		Product series	Cassette Type	(High ESP, Low ESP, Slim Ducted) Duct Type	Fresh Air Processing	Wall mounted Type	Floor Ceiling Type	Console Type	Floor Standing Type	ERV
Wireless Controller	YAP1F		●	○	○	●	●	●	●	
	YV1L1		○	○	○	○	○	○	○	
Wired controller	XK46		○	●	●	○	○	○	○	
	XK79		○	○	○	○	○	○	○	
	XK55		○	○	○	○	○	○	○	
	XK86		○	○	○	○	○	○	○	
	Z5N151									●
	JS05(receiver)			○	○					
E-smart Zone Controller	CE54-24/F(C)		○	○	○	○	○	○	○	
Centralized Controller	CE52-24/F(C)		○	○	○	○	○	○	○	
Smart Zone Controller	CE53-24/F(C)		○	○	○	○	○	○	○	
Long-distance monitoring software	FE31-00/AD(BM)		○	○	○	○	○	○	○	
BMS Accessories	Communication module(modbus)	ME30-24/E4(M)		○	○	○	○	○	○	
	GMV BACnet gateway (BACnet)	ME30-24/D4(B)		○	○	○	○	○	○	
	Interface of the main board	BMS								●
Other modules	Optoelectronic isolated converter	GD02		○	○	○	○	○	○	○
	Optoelectronic isolated signal multiplier	RS485-W		○	○	○	○	○	○	○

Note: ● means standard, ○ means optional.

AIR TO WATER

Versati II

Versati II+ (Split Type)

Versati II+ (Monobloc Type)

Split Type Water Heater

Integral Type Water Heater

Direct & Circulating Type Water Heater





VERSATI II

Versati II water heater can perform cooling, heating, water heating, cooling+water heating, and heating+water heating. It can be connected to radiator, floor or fan coil for heat radiation.



4~10kW



12~16kW



Auxiliary electric heater

Golden fin condenser

Quiet function

Intelligent defrosting

Energy saving function

High efficiency

Easier maintainability.

Compact design

Low voltage startup

Item	Water Side		Heat Source/User Side	
	Leaving Water Temperature(°C)		Environment Dry Bulb Temperature(°C)	
Cooling	7~25		10~48	
Heating	25~55		-20~35	
Water Heating	40~80(Water Tank Temperature)		-20~45	

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

- This unit is very powerful, smart and user-friendly, featuring various functions including holiday mode, absence mode, quiet mode, quiet preset, clock timer, weekly timer, holiday exclusion, floor setting, environment dependency mode, etc. .
- Cooling performance satisfies EU ERP energy efficiency, with a rating up to A++. Motor and water pump elements conform to the requirements set out by the EU Eco Directive.
- It can perform cooling, heating, water heating, cooling+water heating, and heating+water heating, and can be connected to radiator, floor or fan coil for heat radiation.



Outdoor Unit²

Model		GRS-CQ4.0Pd/NaE-K(O) ¹	GRS-CQ6.0Pd/NaE-K(O) ¹	GRS-CQ8.0Pd/NaE-K(O)	GRS-CQ10Pd/NaE-K(O)	GRS-CQ12Pd/NaE-K(O)
Power Supply	V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Capacity* ¹	Cooling kW	4.8	5.8	7.8	8.2	12.5
	Heating kW	5.2	6.2	8	10	12
Power Input* ¹	Cooling kW	1.26	1.53	2	2.1	3
	Heating kW	1.18	1.43	1.8	2.3	2.8
EER/COP* ¹	W/W	3.8/4.4	3.8/4.35	4.0/4.5	3.9/4.4	4.2/4.3
Capacity* ²	Cooling kW	3.2	4.2	6.3	7.2	8.5
	Heating kW	4.4	5.4	7.6	9.5	11.5
Power Input* ²	Cooling kW	1.18	1.56	2.3	2.8	2.8
	Heating kW	1.42	1.74	2.2	2.9	3.4
EER/COP* ²	W/W	2.7/3.1	2.7/3.1	2.7/3.4	2.6/3.3	3.1/3.38
Refrigerant charge volume	kg	1.9	1.9	2.3	2.3	3.6
Sanitary water Temperature	°C	40~80	40~80	40~80	40~80	40~80
Sound Pressure Level	cooling dB(A)	53	54	56	56	58
	heating dB(A)	55	56	56	56	58
Connecting pipe	Gas inch(mm)	φ15.9	φ15.9	φ15.9	φ15.9	φ15.9
	Liquid inch(mm)	φ9.52	φ9.52	φ9.52	φ9.52	φ9.52
Dimensions (W×D×H)	Outline mm	980x427x788	980x427x788	980x427x788	980x427x788	900x412x1345
	Packaged mm	1097x477x862	1097x477x862	1097x478x967	1097x478x967	998x458x1515
Net weight/Gross weight	kg	78/87	78/87	80/89	80/89	107/117
Loading quantity	40'GP set	96	96	96	96	50
	40'HQ set	96	96	96	96	50

Model		GRS-CQ14Pd/NaE-K(O)	GRS-CQ16Pd/NaE-K(O)	GRS-CQ12Pd/NaE-M(O)	GRS-CQ14Pd/NaE-M(O)	GRS-CQ16Pd/NaE-M(O)
Power Supply	V/Ph/Hz	220~240/1/50	220~240/1/50	380~415V/3/50	380~415V/3/50	380~415V/3/50
Capacity* ¹	Cooling kW	13.5	14.5	13.5	14.5	15
	Heating kW	14	15.5	12	14	15.5
Power Input* ¹	Cooling kW	3.4	3.8	3.55	4.03	4.23
	Heating kW	3.3	3.75	2.86	3.41	3.82
EER/COP* ¹	W/W	4.0/4.2	3.8/4.1	3.8/4.2	3.6/4.1	3.6/4.1
Capacity* ²	Cooling kW	9	9.7	10	10.5	11
	Heating kW	12.5	14.5	11.5	13	14
Power Input* ²	Cooling kW	3	3.3	3.33	3.62	3.86
	Heating kW	3.8	4.5	3.48	3.94	4.38
EER/COP* ²	W/W	3/3.3	2.9/3.2	3.0/3.3	2.9/3.3	2.85/3.2
Refrigerant charge volume	kg	3.6	3.6	3.6	3.6	3.6
Sanitary water Temperature	°C	40~80	40~80	40~80	40~80	40~80
Sound Pressure Level	cooling dB(A)	58	58	57	57	57
	heating dB(A)	58	58	57	57	57
Connecting pipe	Gas inch(mm)	φ15.9	φ15.9	φ15.9	φ15.9	φ15.9
	Liquid inch(mm)	φ9.52	φ9.52	φ9.52	φ9.52	φ9.52
Dimensions (W×D×H)	Outline mm	900×412×1345	900×412×1345	900×412×1345	900×412×1345	900×412×1345
	Packaged mm	998×458×1515	998×458×1515	998×458×1515	998×458×1515	998×458×1515
Net weight/Gross weight	kg	107/117	107/117	114/124	114/124	114/124
Loading quantity	40'GP set	50	50	50	50	50
	40'HQ set	50	50	50	50	50

Note:

- This product model is under development.
- Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

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

- Cooling conditions.
- Indoor Water Temperature 23°C/18°C.
- Outdoor Air Temperature 35°CDB/24°CWB.
- Heating conditions.
- Indoor Water Temperature 30°C/35°C.
- Outdoor Air Temperature 7°CDB/6°CWB.
- Standing piping length 5m.

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

- Cooling conditions.
- Indoor Water Temperature 12°C/7°C.
- Outdoor Air Temperature 35°CDB/24°CWB.
- Heating conditions.
- Indoor Water Temperature 40°C/45°C.
- Outdoor Air Temperature 7°CDB/6°CWB.
- Standing piping length 5m.



Indoor Hydro Unit

Model	Indoor unit	GRS-CQ4.0Pd/NaE-K(I)	GRS-CQ6.0Pd/NaE-K(I)	GRS-CQ8.0Pd/NaE-K(I)	GRS-CQ10Pd/NaE-K(I)	GRS-CQ12Pd/NaE-K(I)
Power Supply	V/Ph/Hz	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Nominal input	W	6100	6100	6100	6100	6100
Leaving water temperature	Cooling ¹	°C	18	18	18	18
	Cooling ²	°C	7	7	7	7
	Heating ³	°C	35	35	35	35
	Heating ⁴	°C	45	45	45	45
Pump	Type	-	RS25/7.5	RS25/7.5	RS25/7.5	RS25/7.5
	Nr. of speed	-	800 / 4770	800 / 4770	800 / 4770	800 / 4770
	Power input	W	4-75	4-75	4-75	4-75
	Water flow limit	LPM	12			
Electric Heater	Operation	-	Yes	Yes	Yes	Yes
	Steps	-	2	2	2	2
	Capacity	kW	3	3	6	6
	Combination	kW	1.5*2	1.5*2	3*2	3*2
	Power input	Ph/V/Hz	1Ph/220~240V/50Hz	1Ph/220~240V/50Hz	1Ph/220~240V/50Hz	1Ph/220~240V/50Hz
Sound pressure level	dB(A)	31	31	31	31	31
Connecting pipe	Gas	inch(mm)	φ15.9	φ15.9	φ15.9	φ15.9
	Liquid	inch(mm)	φ9.52	φ9.52	φ9.52	φ9.52
Dimensions (W×D×H)	Outline	mm	981×500×324	981×500×324	981×500×324	981×500×324
	Packaged	mm	1043×608×395	1043×608×395	1043×608×395	1043×608×395
Net weight/Gross weight	kg	56/65	56/65	56/65	56/65	57/66
Loading quantity	40'GP	set	205	205	205	205
	40'HQ	set	246	246	246	246

Water Tank

Model		SXVD200LCJ/A-K	SXVD200LCJ2/A-K	SXVD300LCJ/A-K	SXVD300LCJ2/A-K
Water tank volume	L	200	200	300	300
Power supply	Ph/V/Hz	1/230/50	1/230/50	1/230/50	1/230/50
Electric heater power	W	3000	3000	3000	3000
Screw thread spec of pipe	Cool water inlet	inch(mm)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)
	Hot water outlet	inch(mm)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)
Dimension	Outline	Diameter×H	mm	φ540×1595	φ620×1620
	Packaged	W×D×H	mm	1623x628x645	1623x628x645
Net weight/Gross weight	kg	68/77	71/80	82/92	87/97
Loading quantity	40'GP/40'HQ	set	75/100	75/100	63/63

Model		SXVD200LCJ/A-M	SXVD200LCJ2/A-M	SXVD300LCJ/A-M	SXVD300LCJ2/A-M
Water tank volume	L	200	200	300	300
Power supply	Ph/V/Hz	3/400/50	3/400/50	3/400/50	3/400/50
Electric heater power	W	3000	3000	3000	3000
Screw thread spec of pipe	Cool water inlet	inch(mm)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)
	Hot water outlet	inch(mm)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)
Dimension	Outline	Diameter×H	mm	φ540×1595	φ620×1620
	Packaged	W×D×H	mm	1623x628x645	1623x628x645
Net weight/Gross weight	kg	68/77	71/80	82/92	87/97
Loading quantity	40'GP/40'HQ	set	75/100	75/100	63/63

Model	Indoor unit	GRS-CQ14Pd/NaE-K(I)	GRS-CQ16Pd/NaE-K(I)	GRS-CQ12Pd/NaE-M(I)	GRS-CQ14Pd/NaE-M(I)	GRS-CQ16Pd/NaE-M(I)
Power Supply	V/Ph/Hz	220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50	380~415/3/50
Nominal input	W	6100	6100	6100	6100	6100
Leaving water temperature	Cooling ¹	°C	18	18	18	18
	Cooling ²	°C	7	7	7	7
	Heating ³	°C	35	35	35	35
	Heating ⁴	°C	45	45	45	45
Pump	Type	-	RS25/7.5	RS25/7.5	RS25/7.5	RS25/7.5
	Nr. of speed	-	800 / 4770	800 / 4770	800 / 4770	800 / 4770
	Power input	W	4-75	4-75	4-75	4-75
	Water flow limit	LPM	12			
Electric Heater	Operation	-	Yes	Yes	Yes	Yes
	Steps	-	2	2	1	1
	Capacity	kW	6	6	6	6
	Combination	kW	3*2	3*2	6*1	6*1
	Power input	Ph/V/Hz	1Ph/220~240V/50Hz	1Ph/220~240V/50Hz	380~415V/3Ph/50Hz	380~415V/3Ph/50Hz
Sound pressure level	dB(A)	31	31	31	31	31
Connecting pipe	Gas	inch(mm)	φ15.9	φ15.9	φ15.9	φ15.9
	Liquid	inch(mm)	φ9.52	φ9.52	φ9.52	φ9.52
Dimensions (W×D×H)	Outline	mm	981×500×324	981×500×324	981×500×324	981×500×324
	Packaged	mm	1043×608×395	1043×608×395	1043×608×395	1043×608×395
Net weight/Gross weight	kg	57/66	57/66	58/67	58/67	58/67
Loading quantity	40'GP	set	205	205	205	205
	40'HQ	set	246	246	246	246

Note: *1 for floor cooling; *2 for fan coil cooling; *3 for floor heating; *4 for fan coil heating.

VERSATI II + (Split Type)



It is a kind of DC inverter multifunctional air to water heat pumps that could not only supply domestic hot water, but also realize cooling or heating for residential use.



Floor Heating Debugging



High efficiency



Quiet function



Self-diagnosis



Wide voltage range



Comprehensive protection



Compact design

- Twin rotary DC inverter compressor creates comfortable living circumstance and saves energy.
- The electronic expansion valve guarantees that the system made adjustments automatically according to the changes of the circumstance and water temperature.
- Smart dual-temperature detection control technology.
- The disinfection function at a high temperature up to 70°C can prevent the growth of bacteria and ensure sanitary water, creating a wholesome life for users.
- Isolation of water and electricity ensures safe operation.
- Dual-coil design makes it convenient to join solar panel or boiler.
- Five-mode operation: heating, cooling, water heating, heating and water heating, cooling and water heating.
- The unit will periodically increase or decrease water temperature in debugging process, to improve floor adaptability for temperature change.



Item	Water Side	Heat Source/User Side
	Leaving Water Temperature(℃)	Environment Dry Bulb Temperature(℃)
Cooling	7~25	10~48
Heating	25~60	-20~35
Water Heating	40~80(Water Tank Temperature)	-20~45

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

Outdoor Unit

Model		GRS-CQ8.0Pd/NaD-K(O)	GRS-CQ10Pd/NaD-K(O)	GRS-CQ12Pd/NaD-M(O)	GRS-CQ14Pd/NaD-M(O)
Power Supply	V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50
Capacity*1	Cooling kW	8.2	9.7	13.5	14
	Heating kW	8	9.2	12	14
Power Input*1	Cooling kW	1.86	2.46	3.46	3.68
	Heating kW	1.85	2.19	2.67	3.33
EER/COP*1	W/W	4.41/4.32	3.94/4.20	3.90/4.49	3.80/4.20
Capacity*2	Cooling kW	5.5	6.9	9.6	10
	Heating kW	7.7	9	12	12.8
Power Input*2	Cooling kW	1.85	2.34	3.02	3.22
	Heating kW	2.26	2.65	3.24	3.56
EER/COP*2	W/W	2.97/3.41	2.95/3.40	3.18/3.70	3.11/3.60
Refrigerant charge volume	kg	3.5	3.5	5.3	5.3
Sanitary water Temperature	℃	40~80	40~80	40~80	40~80
Sound Pressure Level	cooling dB(A)	53	53	57	57
	heating dB(A)	54	54	57	57
Connecting pipe	Gas inch(mm)	15.9	15.9	15.9	15.9
	Liquid inch(mm)	9.52	9.52	9.52	9.52
Dimensions (W×D×H)	Outline mm	980×427×788	980×427×788	900×412×1345	900×412×1345
	Packaged mm	1097×477×862	1097×477×862	998×458×1515	998×458×1515
Net weight/Gross weight	kg	85/87	85/87	126/136	126/136
	40'GP set	96	96	50	50
Loading quantity	40'HQ set	96	96	50	50

Note:

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

- Cooling conditions.
- Indoor Water Temperature 23°C/18°C.
- Outdoor Air Temperature 35°CDB/24°CWB.
- Heating conditions.
- Indoor Water Temperature 30°C/35°C.
- Outdoor Air Temperature 7°CDB/6°CWB.
- Standing piping length 7.5m.

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

- Cooling conditions.
- Indoor Water Temperature 12°C/7°C.
- Outdoor Air Temperature 35°CDB/24°CWB.
- Heating conditions.
- Indoor Water Temperature 40°C/45°C.
- Outdoor Air Temperature 7°CDB/6°CWB.
- Standing piping length 7.5m.

Indoor Hydro Unit

Model	Indoor unit		GRS-CQ8.0Pd/NaD-K(I)	GRS-CQ10Pd/NaD-K(I)	GRS-CQ12Pd/NaD-M(I)	GRS-CQ14Pd/NaD-M(I)
Power Supply	V/Ph/Hz		220~240/1/50	220~240/1/50	380~415/3/50	380~415/3/50
Normal input	W		6140	6140	6140	6140
Leaving water temperature	Cooling*1	°C	7	7	7	7
	Cooling*2	°C	18	18	18	18
	Heating*1	°C	35	35	35	35
	Heating*2	°C	45	45	45	45
Pump	Type	-	PB-2.5/11-A	PB-2.5/11-A	PB-2.5/11-A	PB-2.5/11-A
	Nr. of speed	-	variable-speed	variable-speed	variable-speed	variable-speed
	Power input	W	140	140	140	140
	Water flow limit	LPM	10.5	10.5	10.5	10.5
Electric Heater	Operation	-	-	-	-	-
	Steps	-	2	2	2	2
	Capacity	kW	3	3	3	3
	Combination	kW	6	6	6	6
	Power input	PhV/Hz	230/1/50	230/1/50	400/3/50	400/3/50
Sound pressure level		dB(A)	31	31	31	31
Connecting pipe	Gas	inch(mm)	15.9	15.9	15.9	15.9
	Liquid	inch(mm)	9.52	9.52	9.52	9.52
Dimensions (W×D×H)	Outline	mm	981x500x324	981x500x324	981x500x324	981x500x324
	Packaged	mm	1043x608x395	1043x608x395	1043x608x395	1043x608x395
Net weight/Gross weight		kg	56/65	56/65	58/67	58/67
Loading quantity	40'GP	-	205	205	205	205
	40'HQ	-	246	246	246	246

VERSATI II + (Monobloc Type)

It is a kind of DC inverter multifunctional air to water heat pump that could not only supply domestic hot water, but also realize cooling or heating for residential use.



Water Tank

Model			SXVD200LCJ/A-K	SXVD200LCJ2/A-K	SXVD300LCJ/A-K	SXVD300LCJ2/A-K
Water tank volume	L		200	200	300	300
Power supply	PhV/Hz		1/230/50	1/230/50	1/230/50	1/230/50
Electric heater power	W		3000	3000	3000	3000
Screw thread spec of pipe	Cool water inlet	inch(mm)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)
	Hot water outlet	inch(mm)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)
Dimension	Outline	Diameter×H	mm	φ540×1595	φ620×1620	φ620×1620
	Packaged	W×D×H	mm	1623x628x630	1623x628x630	1648x708x725
Net weight/Gross weight		kg	68/77	71/80	82/92	87/97
Loading quantity	40'GP/40'HQ	set	75/100	75/100	63/63	63/63

Model			SXVD200LCJ/A-M	SXVD200LCJ2/A-M	SXVD300LCJ/A-M	SXVD300LCJ2/A-M
Water tank volume	L		200	200	300	300
Power supply	PhV/Hz		3/400/50	3/400/50	3/400/50	3/400/50
Electric heater power	W		3000	3000	3000	3000
Screw thread spec of pipe	Cool water inlet	inch(mm)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)
	Hot water outlet	inch(mm)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)	φ1/2"Female BSP(12.7)
Dimension	Outline	Diameter×H	mm	φ540×1595	φ620×1620	φ620×1620
	Packaged	W×D×H	mm	1620×625×630	1620×625×630	1645×705×710
Net weight/Gross weight		kg	68/77	71/80	82/92	87/97
Loading quantity	40'GP/40'HQ	set	75/100	75/100	63/63	63/63

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



- Integral installation, convenient and cost-saving.
- Two-stage compression technology is adopted to greatly improve the system's performance, especially for improving energy efficiency of heating in low ambient temperature.
- Smart dual-temperature detection control technology.
- Solar kit linkage function is added to automatically control water heating of solar energy, energy-saving and eco-friendly.
- High outlet water temperature and wide water temperature range, meeting the demands of various terminals.



Item	Water Side	Heat Source/User Side
	Leaving Water Temperature(°C)	Environment Dry Bulb Temperature(°C)
Cooling	7~25	10~48
Heating	25~60	-20~35
Water Heating	40~80(Water Tank Temperature)	-20~45

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

Model		GRS-CQ8.0Pd/NaC-K	GRS-CQ10Pd/NaC-K	GRS-CQ12Pd/NaC-M	GRS-CQ14Pd/NaC-M	
Power supply		220~240V-1Ph-50Hz		380~415V-3Ph-50Hz		
Capacity*1	Cooling*3	kW	8.6	9.8	13.6	14.5
	Heating*4	kW	8.2	9.5	13	14.2
Power Input*1	Cooling*3	kW	2	2.5	3.45	3.7
	Heating*4	kW	1.82	2.2	2.85	3.35
EER/COP*1		W/W	4.3/4.51	3.92/4.32	3.94/4.56	3.92/4.24
Capacity*2	Cooling*5	kW	6.2	7.4	9.55	10.3
	Heating*6	kW	7.8	9.5	12.5	13
Power Input*2	Cooling*5	kW	1.9	2.38	3.0	3.3
	Heating*6	kW	2.3	2.69	3.35	3.6
EER/COP*2		W/W	3.26/3.39	3.1/3.53	3.18/3.73	3.12/3.61
Refrigerant charge volume		kg	3.5	3.5	4	4
Sanitary water temperature		°C	40~80	40~80	40~80	40~80
Sound pressure level	Cooling	dB(A)	53	53	54	54
	Heating	dB(A)	53	53	54	54
Connecting pipe diameter	Gas	inch(mm)	φ5/8(15.9)	φ5/8(15.9)	φ5/8(15.9)	φ5/8(15.9)
	Liquid	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)
Dimensions (W×D×H)	Outline	mm	1390x412x890	1390x412x890	1350x381x1438	1350x381x1438
	Packaged	mm	1463x438x1005	1463x438x1005	1428x418x1465	1428x418x1465
Net weight/Gross weight		kg	148/161	148/161	205/220	205/220
Loading quantity	40'GP	-	80	80	43	43
	40'HQ	-	80	80	43	43

Note:

- Capacities and power inputs are based on the following conditions:
 - Cooling conditions.
 - Indoor Water Temperature 23°C/18°C.
 - Outdoor Air Temperature 35°CDB/24°CWB.
 - Heating conditions.
 - Indoor Water Temperature 30°C/35°C.
 - Outdoor Air Temperature 7°CDB/6°CWB.
- Capacities and power inputs are based on the following conditions:
 - Cooling conditions.
 - Indoor Water Temperature 12°C/7°C.
 - Outdoor Air Temperature 35°CDB/24°CWB.
 - Heating conditions.
 - Indoor Water Temperature 40°C/45°C.
 - Outdoor Air Temperature 7°CDB/6°CWB.

- For floor cooling.
- For floor heating.
- For fan coil unit.
- For fan coil or radiator.

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

Split Type Water Heater

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



Controller XK64



Self-diagnosis



°C/°F switch



Compact design



Clock display



Intelligent defrosting



Easier maintainability



Child lock

- Safety 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 temp. and pressure. The water tank adopts advanced stainless steel inner container with magnesium sticks. 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 kitchen, garage, stock room or basement. It is also suitable for skyscrapers, villa, and so on.
- 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 in electric platykurtosis 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-S3.0G/NbA-K	GRS-S3.5PdG/NaA-K
Rated Heating Capacity ⁽¹⁾	W	2800	3500(1800~4000)
Rated Input Power ⁽¹⁾	W	700	850(360~1333)
Load Profile	-	L	L
COP ⁽²⁾	W/W	2.9	3.17
Energy Efficiency Class ⁽²⁾	-	A	A
Water Heating Energy Efficiency ⁽²⁾	-	110%	129%
Heating Time (7/6 °C, 15-55°C)	h	4.20	5.00
Maximum Input Power	W	1180+1500W (Electric Heater)	1500+1500W (Electric Heater)
Circuit Breaker	A	16	16
Outlet Water Temperature	°C	Default: 55°C, 35°C~70°C	Default: 55°C, 35°C~55°C
Power Supply	-	220V-240V ~50Hz	220V-240V ~50Hz
Insulation Level	-	I	I
Protection of Ingression	-	IPX4	IPX4
Refrigerant	Name	R134a	R410A
	Charge	kg	1.2
Outline Dimensions	W x D x H	mm	848×320×540
Package Dimensions	W x D x H	mm	941×371×660
Max. Pipe Length/Height	m		20
Gross/Net Weight	kg		41/35.5
Sound Power Level ⁽³⁾	dB(A)		61
Operating Range	°C		-7~45°C

Note:

- Value obtained with the following conditions: Outdoor temperature: 20°C DB/15°C WB; Water tank temperature (start/end): 15°C /55°C.
- Value obtained with an air temperature of 7°C and a water inlet at 10°C, as per EN16147, (EU) No 814/2013.
- Value obtained as per EN 12102-2008.
- Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.
- GRS-S3.0G/NbA-K is fixed-frequency model with refrigerant of R134a;GRS-S3.5PdG/NaA-K is inverter model with refrigerant of R410A.

Water Tank

Model	SXD200LCJW/C1-K	SXD200LCJW/C2-K
Capacity	L	185
Power Supply for Electric Heater	-	220V-240V~50Hz
Input Power for Electric Heater	W	1500
Max. Operation Pressure	MPa	0.7
Outline Dimensions(W x D x H)	mm	545 x 545 x 1919
Package Dimensions(W x D x H)	mm	2009 x 656 x 625
Water Tank Gross/Net Weight	kg	60/52
Outer Size of Connection Pipe	mm	Φ6, Φ9.52

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



Integral Type Water Heater

The unit is with new integrated structure, concise design, and centrifugal type wind system design, which can connect air inlet pipe and air outlet pipe. This unit is applicable for garage, storage room, balcony and other household locations.



Controller XK64



Controller ZF5201



High efficiency



Intelligent defrosting



Energy Saving



Wide operation range



°C/°Fswitch



Clock display



Child lock



24 hour timer

- Safety 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 temp. and pressure. The water tank adopts advanced stainless steel inner container with magnesium sticks. 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. It is also suitable for skyscrapers, villa, and so on. Installation and maintenance is convenient for its no cycle waterway 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 in electric platykurtosis 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.



Model		GRS-2.4/D270ANbA-K*2	GRS-1.5/D150ANbA-K*1	GRS-1.5/D200ANbA-K*1
Capacity	kW	2.4	1.5	1.5
Power Input	kW	0.685	0.429	0.429
Load Profile	-	XL	L	L
COP _{DHW}	W/W	2.61	2.47	2.47
Water Heating Energy Efficiency		105%	103.90%	103.90%
Energy Efficiency Class		A	A	A
Refrigerant	-	R134a	R134a	R134a
Refrigerant Charge Volume	kg	1.1	0.8	0.8
Circuit Breaker	A	16A	16A	16A
Refrigerant Design Pressure	MPa	2.8	2.8	2.8
Tank Design Pressure	MPa	0.8	0.8	0.8
Max. Operation Pressure	MPa	0.8	0.7	0.7
Heating Time (7/6°C, 15-55°C)	h	7.1	6.1	8.1
Running Ambient Temperature	°C	-7 ~ 45	0 ~ 45	0 ~ 45
Outwater Temperature	°C	35~70	35~70	35~70
Air Flow Rate	m ³ /h	300	500	500
Available Static Pressure	Pa	40	0	0
Max. Length of Air Connection	m	5	/	/
Sound Pressure Level(heating)	dB(A)	49	50	50
Sound Power Level(heating)	dB(A)	60	61	61
Volume	L	270	150	190
Water Pipeline	Water Inlet Pipe	inch	0.79	0.59
	Water Outlet Pipe	inch	0.79	0.59
	Drainage Pipe	inch	0.79	-
Dimensions(W×D×H)	Outline	mm	660×667×1958	591×591×1685
	Packaged	mm	813×813×2100	703×703×1765
Net Wight/Gross Weight	kg	114/139	73.5/88.0	79.5/95.5
Loading Quantity	40'GP/40'HQ	set	28/28	48/48

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

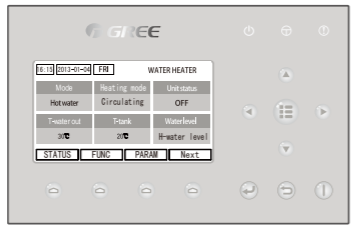
*1:This model can not installed with air duct.

*2:This model can installed with air duct.



Direct & Circulating Type 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.



Wired controller Z26301K



GRS-Dm30/NaA-M
GRS-Dm40/NaA-M



GRS-Dm60/NaA-M



GRS-Cm28/NaA-M
GRS-Cm36/NaA-M



GRS-Cm53/NaA-M

High efficiency

Low temperature heating

Compact design

Intelligent defrosting

Wide voltage range

Easier maintainability

Energy Saving

Comprehensive protection

Wide operation range

Modular operating

- Grounding protection: The system is with multiple grounding protection to avoid electric leakage.
- Over-current protection: The system will turn off automatically in overload, in order to ensure safety of the system.
- High pressure protection: Protection in overhigh pressure ensures the reliability of the system.
- Auto protection when the system pressure is low.
- High discharge temperature protection: It avoid the influence of overhigh discharge temperature to ensure the lubrication effect of compressor lubricant.
- Water pressure protection: It restricts the lowest water pressure to ensure the reliability of the system.
- Water flow protection: It detects the water flow to avoid no water operation.
- Anti-freezing protection: It is with multiple anti-freezing design to ensure reliable operation of the system in ultra-low ambient temperature.

Direct Heating Type

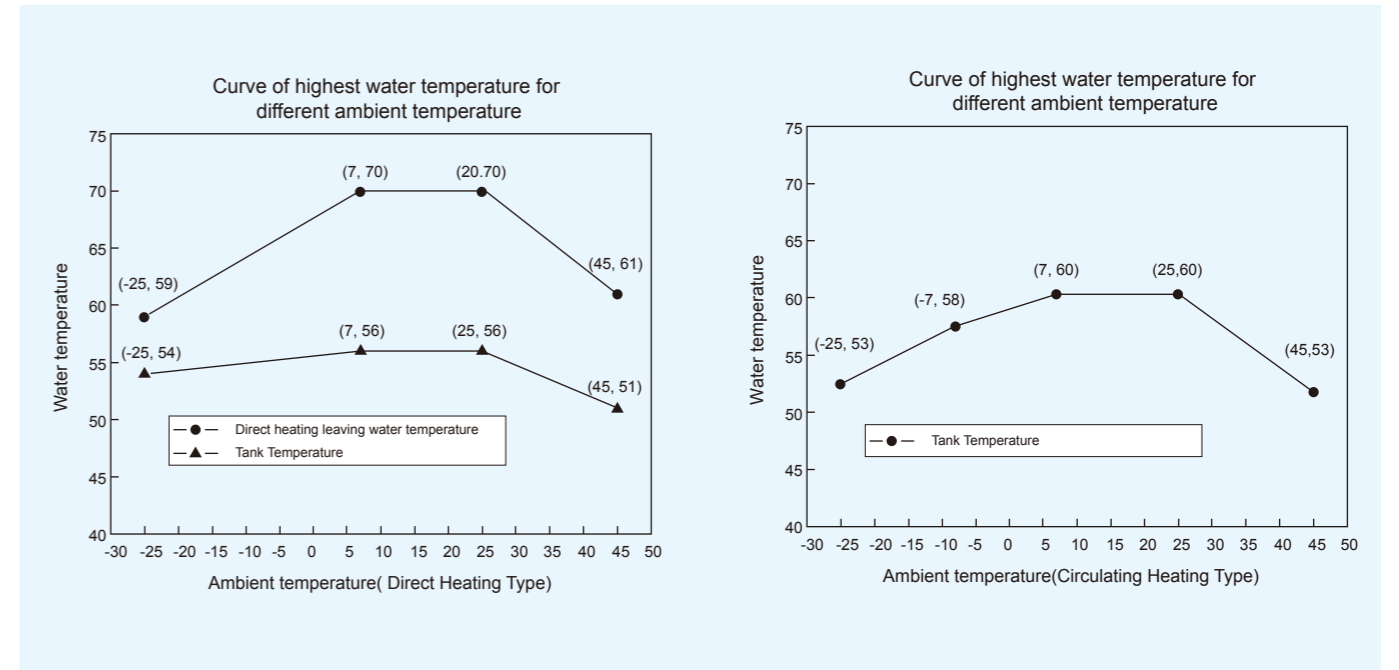
Model		GRS-Dm30/NaA-M *3	GRS-Dm40/NaA-M *3	GRS-Dm60/NaA-M *3
Rated water heating capacity	kW	31	40	60
Rated water supply	l/h	667	860	1300
COP	W/W	3.83	4	4
Water temperature range	°C	35~70	35~70	35~70
Power supply	Ph/V/Hz	3/380-415/50	3/380-415/50	3/380-415/50
Rated power input	Water heating kW	8.1	10	15
Max power input	Water heating kW	10.5	13	20
Sound Pressure level	Db(A)	≤67	≤67	≤67
Dimension(W×D×H)	Outline mm	930×800×1605	930×800×1605	1340×800×1605
	Packaged mm	1010×865×1775	1010×865×1775	1420×880×1775
Net weight/Gross weight	kg	238/252	264/286	362/378
Loading quantity	40'GP/40'HQ set	26/26	26/26	21/21

Circulating Heating Type

Model		GRS-Cm28/NaA-M *3	GRS-Cm36/NaA-M *3	GRS-Cm53/NaA-M *3
Rated water heating capacity	kW	28	36	53
Rated water supply	l/h	620	775	1140
COP	W/W	3.8	3.87	4.08
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
	Packaged mm	1010×865×1775	1010×865×1775	1420×880×1775
Net weight/Gross weight	kg	243/260	260/277	358/376
Loading quantity	40'GP/40'HQ set	26/26	26/26	21/21

Note:

1. Testing conditions of above data: Ambient temperature 20°C DB/15°C WB; entering/leaving water temperature: 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: This series model is not fit for EU.
- 4: Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.



SCROLL CHILLER

Inverter Mini Chiller

Mini Chiller

Modular Air-cooled Scroll Chiller



Inverter Mini Chiller



Inverter mini chiller, is a kind of small-size air-cooled chiller that can be connected to all sorts of fan coil unit to realize cooling and heating. It can be used on the temperature range of -20~48 C.



8-10kW

12-14kW

Wired controller Z263Q



Inner groove copper



Self-diagnosis



Comprehensive protection



Memory function

- Compressor inverter control regulates water temperature precisely.
- Integral installation is convenient and cost-saving.
- Precise system pressure control improves the anti-freezing function of the system.
- Two-stage compression technology is adopted to greatly improve the system's performance.



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	7~25	2~10	35	24	10~48
Heating	40	45	25~60	2~10	7	6	-20~35

Model	Heat Pump		HLR8Pd/Na-K	HLR10Pd/Na-K	HLR12Pd/Na-M	HLR14Pd/Na-M
Capacity	Cooling	kW	6.20	7.50	9.50	11.00
	Heating	kW	8	10	12	14
EER/COP		W/W	3.1/3.5	3.1/3.4	3.2/3.7	3.1/3.4
Power Supply		V/Ph/Hz	220~240/1/50		380~415/3/50	
Power input	Cooling	kW	2	2.4	2.97	3.55
	Heating	kW	2.25	2.9	3.24	4.12
Compressor	Type	-	Rotary	Rotary	Rotary	Rotary
	Quantity	-	1	1	1	1
Refrigerant Charge volume		kg	3.5	3.5	4.0	4.0
Water flow volume		l/s	1.25	1.25	1.25	1.25
		GPM	16.515	16.515	16.515	16.515
Build-in chilled	pump power input	kW	0.14	0.14	0.14	0.14
	Delivery lift	m	11	11	11	11
Build-in expansion verssle volume		L	10	10	10	10
Chilled water outlet/inlet screw thread spec		inch	1	1	1	1
Sound Pressure level		Db(A)	53	55	54	54
Dimension(W*D*H)	Outling	mm	1390x412x890	1390x412x890	1354x365x1435	1354x365x1435
	Package	m	1463x438x1035	1463x438x1035	1443x433x1575	1443x433x1575
Net weight/Gross weight		kg	140/155	140/155	194/209	194/209
Loading quantity 40'GP/40'HQ		set	80/80	80/80	43/43	43/43

Inverter Mini Chiller



Mini Chiller is a kind of unit that makes cold water and hot water and then achieves air conditioning through the terminals selected by user. It is widely adopted in departments, villas, restaurants, shops, etc.



Quality motor



Compact design



Intelligent defrosting



Easier maintainability



Comprehensive protection



High efficiency



Wide operation range

- The appearance of unit is beautiful and installation of unit is convenient. The indoor unit and outdoor unit of split type unit can be installed in combination or split type. Meanwhile, the height of indoor unit is only 288mm. The integral type unit adopts up-inclined air outlet design with high flexibility. The unit's cooling and heating performance will not be affected by seasonal wind and installation place thanks to this design, especially suitable for installation site with limited floor height and building distance;
- The unit is equipped with water pump, expansion tank, automatic water makeup valve and safety valve. Installation of expansion water tank is not needed, which greatly reduces installation cost;
- Main control system adopts advanced computer control system for comprehensive control to the unit. Meanwhile, multiple points control function is available to control the on/off of master unit in any room, or achieve priority control to unit by setting main control point in any room.



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	7~25	1~5	35	24	16~43
Heating	40	45	25~60	1~5	7	6	-15~28

Model	Heat pump		HLR8WZNa-M ¹	HLR10WZNa-M ¹	HLR12.5WZNa-M ¹	HLR15WZNa-M ¹	
Capacity	Cooling	kW	7.5	10	12.5	14.2	
	Heating	kW	9	12	13	16.5	
EER/COP		W/W	2.14/2.73	2.27/2.73	2.19/2.71	2.49/3.11	
Power supply		Ph/V/Hz	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	
Power input	Cooling	kW	3.5	4.4	5.7	5.7	
	Heating	kW	3.3	4.4	4.8	5.3	
Compressor	Type	—	Scroll	Scroll	Scroll	Scroll	
	Quantity	—	1	1	1	1	
Refrigerant charge volume		kg	3.10	3.55	4.50	5.00	
Water flow volume		l/s	0.38	0.48	0.59	0.72	
		GPM	5.00	6.30	7.79	9.50	
Build-in chilled water pump	Pump power input	kW	0.55	0.55	0.55	0.55	
	Delivery lift	m	18	18	18	18	
Build-in expansion vessel volume		L	5	5	5	5	
Chilled water outlet/inlet screw thread spec		inch	1"Female BSP	1"Female BSP	1"Female BSP	1"Female BSP	
Indoor unit	Sound pressure level	dB(A)	38	38	38	38	
	Dimension (WxDxH)	Outline	mm	1100x450x288	1100x450x288	1100x450x288	1100x450x288
		Packaged	mm	1285x682x385	1285x682x385	1285x682x385	1285x682x385
	Net weight/Gross weight		kg	84/96	84/96	84/96	84/96
Outdoor unit	Sound pressure level	dB(A)	60	60	60	60	
	Dimension (WxDxH)	Outline	mm	950x412x840	950x412x1250	950x412x1250	950x412x1250
		Packaged	mm	1110x450x985	1110x450x1385	1110x450x1385	1110x450x1385
	Net weight/Gross weight		kg	90/100	112/123	115/129	119/129
Outer diameter of connection pipe	Liquid pipe	inch(mm)	φ1/2(12.7)	φ1/2(12.7)	φ1/2(12.7)	φ1/2(12.7)	
	Gas pipe	inch(mm)	φ3/4(19.05)	φ3/4(19.05)	φ3/4(19.05)	φ3/4(19.05)	
Loading quantity		set	52/52	63/64	63/64	63/64	
Standard controller		Wired				Z16301	

Note:

The specification is tested under the connection pipe of 7.5 meters.

1. This product model is not fit for EU.

Model	Heat pump		HLR225Na-M ¹	HLR255Na-M ¹	HLR355Na-M ¹	HLR455Na-M ¹	HLR355M/NaA-M ¹
Capacity	Cooling	kW	21.5	22.8	31	42	31
	Heating	kW	25	25	37.5	49	36
EER/COP		W/W	2.50/2.91	2.59/2.81	2.61/3.00	2.30/2.80	2.61/2.88
Power supply		Ph/V/Hz	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50
Power input	Cooling	kW	8.6	8.8	11.9	18.3	11.9
	Heating	kW	8.6	8.9	12.5	17.5	12.5
Compressor	Type	—	Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity	—	2	2	2	2	2
Refrigerant charge volume		kg	3.6x2	4.8x2	6.5x2	7.3x2	6.5x2
Water flow volume		l/s	1.05	1.2	1.4	2.2	1.4
		GPM	13.9	15.8	18.5	29.0	18.5
Build-in chilled water pump	Pump power input	kW	0.75	0.75	1.50	1.50	—
	Delivery lift	m	22	24	25	27	—
Build-in expansion vessel volume		L	8	8	8	8	—
Chilled water outlet/inlet screw thread spec		inch	1"Female BSP	1"Female BSP	1-1/2"Female BSP	1-1/2"Female BSP	1-1/2"Female BSP
Sound pressure level		dB(A)	66	66	68	68	68
Dimension (WxDxH)	Outline	mm	1460x530x1850	1460x530x1850	1750x800x1760	1750x800x1760	1750x800x1760
	Packaged	mm	1540x710x2100	1540x710x2100	1910x960x1970	1910x960x1970	1910x960x1970
Net weight/Gross weight		kg	380/387	380/392	680/690	755/765	600/610
Loading quantity		set	25/25	25/25	12/12	12/12	12/12
Standard controller		Wired			Z12301A		Z26301C

Note:

1:This product model is not fit for EU.

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



Modular Air-cooled Scroll Chiller

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

D Series



65/80kW

130/160kW

249/280kW

Display panel Z26301C

- Golden fin condenser
- Inner groove copper
- Modular structure
- Comprehensive protection
- Self-diagnosis
- Easier maintainability
- Memory function
- 24 hour timer

- Running condition real-time display.
- Low start-up current thanks to power delay control design.
- Use U-type heat exchange tube to improve the heat-exchange efficiency of the complete unit;
- Special equalizing plate design of shell and tube: the distribution of refrigerant is more even for improving the heat-exchanging efficiency of the complete unit.
- Main module patent: any unit can be set as main module via wired controller.
- Up to 16 units (60/71kW) or 8 units (120/145kW) can be integrated freely to get a max capacity of 1160kW thanks to modular design.
- Auto anti-freezing function under heating mode when the unit is switched off.



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	2.5~6	35	—	15~45
Heating	40	45	40~50	2.5~6	7	6	-15~24

Model	Heat pump		LSQWRF65M/NaD-M	LSQWRF80M/NaD-M	LSQWRF130M/NaD-M	LSQWRF160M/NaD-M	LSQWRF249M/NaD-M ²	LSQWRF280M/NaD-M ¹
Capacity	Cooling/Heating	kW	60/65	71/79.5	120/130	145/170	249/275	280/325
		RT	17.06/18.48	20.19/22.61	34.12/36.97	41.23/48.34	70.80/78.20	79.62/92.42
Capacity steps		%	0-50%-100%		0-25%-50%-75%-100%			
EER/COP		W/W	2.84/3.09	2.76/2.94	2.84/2.93	2.74/3.04	2.95/3.25	2.85/3.10
Power supply		V/Ph/Hz	380~415V-3Ph-50Hz					
Power input	Cooling	kW	21.1	25.7	42.3	53	84.4	98.2
	Heating	kW	21	27	44.4	56	84.6	104.8
Compressor	Type		Constant Speed Scroll					
	Starting mode		Direct Starting					
	Quantity		2	2	4	4	4	4
Water side heat exchanger	Type		Dry Expansion Evaporator					
	Water flow volume	L/s	2.87	3.39	5.73	6.93	11.89	13.39
		GPM	45	54	91	110	189	212
	Pressure drop	kPa	15	20	30	35	75.00	85.00
		ft.WG	4.92	6.56	9.84	11.48	24.60	27.88
Connection pipe		DN65		DN80		DN100		
Air side heat exchanger	Type		Aluminum Fin-copper Tube					
	Fan type and quantity		Axial-flow/2		Axial-flow/4		Axial-flow/8	
		L/s	2×0.375×10 ⁴	2×0.4167×10 ⁴	4×0.375×10 ⁴	4×0.4167×10 ⁴	8×0.39×10 ⁴	8×0.43×10 ⁴
	Total fan air flow	CFM	2×0.795×10 ⁴	2×0.882×10 ⁴	4×0.795×10 ⁴	4×0.882×10 ⁴	8×0.8239×10 ⁴	8×0.918×10 ⁴
Total fan motor power	kW	2×0.650	2×0.950	4×0.650	4×0.950	8×0.65	8×0.75	
Sound pressure level	dB(A)	70	71	72	74	67	69	
Dimension	Outline(W×D×H)	mm	2040×1000×2230	2040×1000×2230	2226×1650×2230	2226×1650×2230	3980×2260×2450	3980×2260×2450
	Package(W×D×H)	mm	2120×1080×2230	2120×1080×2230	2306×1730×2230	2306×1730×2230	4040×2260×2450	4040×2260×2450
Net/Gross/Operating weight	kg	740/745/814	792/797/871	1315/1320/1447	1504/1509/1654	2985/2995	3278/3288	
Loading quantity	40'GP/40'HQ	set	10	10	6	6	2/2	2/2

Note:
 1. This product model is under development and do not fit for EU.Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.
 2. This model is not fit for EU.

SCREW CHILLER

Modular Air-cooled Screw Chiller

High-efficiency Modular Air-cooled Screw Chiller

High-efficiency Water-cooled Screw Chiller





Modular Air-cooled Screw Chiller

It is a kind of 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
- Modular structure
- Comprehensive protection
- Self-diagnosis
- Long-distance monitoring
- Memory function
- 24 hour timer
- Intelligent defrosting

*: Photos are for reference only.

- The compressor adopts stepless capacity control, which matches perfectly with actual load.
- Throttling by electronic expansion valve with more accurate control and more rapid adjustment to ensure the best running status of the system.
- Unique extend performance: flexible combination in different models, 4 modules for each system and the cooling capacity can reach 1680kW.
- High efficient oil separator with the efficiency of 99.97%, which greatly improves the reliability of the unit.
- Oil supply is done with the oil pump for the heat pump unit, which can effectively prevent oil supply failure at the low pressure difference of the compressor or during defrosting and thus enhance the operation reliability of the unit.
- The heat pump's economizer design will help to remarkably enhance the heating capacity and EER at low ambient temperature.
- Equipped with perfect protection function to ensure safe running.
- With multiple freeze prevention, can prevent shell and tube heat exchanger from freezing up when the unit is running, powered off or in malfunction condition.



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	—	18~52
Heating	40	45	40~50	2.5~8	7	6	-15~24

Model	Heat pump		LSBLGRF230MT3/NbA-M ¹	LSBLGRF330MT3/NbA-M ¹	LSBLGRF430MT3/NbA-M ¹	LSBLGRF600MT3/NbA-M	LSBLGRF760MT3/NbA-M
Capacity	Cooling	kW	220	320	420	580	740
		RT	63	91	119	165	210
	Heating	kW	245	355	450	585	745
		RT	70	101	128	166	212
Capacity steps	%	25%,50%~100%	25%,50%~100%	25%,50%~100%	12.5%, 25~100%	12.5%, 25~100%	
EER/COP	W/W	2.72/2.88	2.67/2.91	2.66/2.92	3.05/3.07	3.06/3.08	
Power supply	Ph/V/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	
Power input	Cooling	kW	81	120	158	190	242
	Heating	kW	85	122	154	190	242
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	-	1	1	1	2	2
Water side heat exchanger	Type	-	Dry Expansion Evaporator	Dry Expansion Evaporator	Dry Expansion Evaporator	Dry Expansion Evaporator	Dry Expansion Evaporator
	Water flow volume	m ³ /h	37.8	55.0	72.2	99.8	127.3
		GPM	167	242	318	439	560
	Pressure drop	kPa	≤50	≤50	≤50	≤65	≤65
		ft.WG	≤16.7	≤16.7	≤16.7	≤21.8	≤21.8
Air side heat exchanger	Type	-	flange connection	flange connection	flange connection	flange connection	flange connection
	Fan type and quantity	-	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Total fan air flow	m ³ /h	20000×6	20000×8	20000×10	22000×12	22000×12
		CFM	11772×6	11772×8	11772×10	12949×12	12949×12
	Total fan motor power	kW	1.5×6	1.5×8	1.5×10	2.2×12	2.2×12
Sound pressure level	dB(A)	78	79	80	82	82	
Dimension	Outline(W×D×H)	mm	4000×2250×2550	5000×2250×2550	6000×2250×2550	7540×2250×2550	7540×2250×2550
	Package(W×D×H)	mm	4080×2330×2550	5080×2330×2550	6080×2330×2550	7620×2330×2550	7620×2330×2550
	Heat pump	kg	4020/4060/4422	5270/5310/5797	5950/5990/6545	8170/8210/8987	8700/8740/9570
Loading quantity	40'GP/40'HQ	set	0/2	0/2	0/1	0/1	0/1

Note: EER/COP Applicable Standard Eurovent

* Only available for heat pump model.

*1: This series are certified by Eurovent and AHRI.

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

High-efficiency Modular Air-cooled Screw Chiller

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.



320/420/520MH/NbA-M



580/650/750/860/950/1050MH/NbA-M



1160/1320/1520MH/NbA-M



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

- Thanks to V type fin structure, unit features small refrigerant pressure loss and high efficiency.
- With flooded type shell-and-tube design, evaporating temperature is increased, hence improving the heat exchanging efficiency and energy efficiency.
- Unit adopts low noise fan blades and specialized compressor noise reduction device, therefore sound level falls to 5dB(A) lower than the 2nd generation.
- Due to the totally-enclosed design, its appearance is harmonious and nice-looking.

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	—	18~52

Model	Cooling only		LSBLGF320 MH/NbA-M*	LSBLGF420 MH/NbA-M*	LSBLGF520 MH/NbA-M*	LSBLGF580 MH/NbA-M*	LSBLGF650 MH/NbA-M*	LSBLGF750 MH/NbA-M*
Capacity	Cooling	kW	320	420	520	580	650	750
		RT	91.0	119.4	147.9	164.9	184.8	213.3
Capacity steps		%	25%,50%~100%	25%,50%~100%	25%,50%~100%	12.5%,25%~100%	12.5%,25%~100%	12.5%,25%~100%
EER		W/W	3.20	3.23	3.21	3.22	3.25	3.26
Power supply		Ph/V/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50
Power input	Cooling	kW	100	130	162	180	200	230
	Type		Semi-hermetic screw					
	Starting mode		Star Delta Start					
Compressor	Quantity		1	1	1	2	2	2
	Type		Flooded Evaporator	Flooded Evaporator	Flooded Evaporator	Flooded Evaporator	Flooded Evaporator	Flooded Evaporator
	Water flow volume	m³/h	55.0	72.2	89.4	99.8	111.8	129.0
		GPM	242	318	394	439	492	568
	Pressure drop	kPa	≤35	≤45	≤45	≤50	≤55	≤55
	ft.WG	≤11.7	≤15.1	≤15.1	≤16.7	≤18.4	≤18.4	
Connection pipe	Type		DN100	DN125	DN125	DN150	DN150	DN150
	Type		Aluminum Fin-copper Tube					
	Total fan air flow	m³/h	20000×6	20000×8	20000×10	20000×12	20000×12	20000×14
	CFM	11772×6	11772×8	11772×10	11772×12	11772×12	11772×14	
Total fan motor power	kW	1.5×6	1.5×8	1.5×10	1.5×12	1.5×12	1.5×14	
Sound pressure level		dB(A)	73	74	74	75	75	75
Dimension	Outline(W×D×H)	mm	3670x2250x2550	4890x2250x2550	6110x2250x2550	7340x2250x2550	7340x2250x2550	8560x2250x2550
	Package(W×D×H)	mm	3750x2330x2550	4970x2330x2550	6190x2330x2550	7420x2330x2550	7420x2330x2550	8640x2330x2550
Net/Gross/Operating	Cooling only	kg	3980/4020/4060	4990/5030/5090	5550/5590/5661	6450/6490/6579	7440/7480/7589	8350/8390/8517
Loading quantity	40'GP/40'HQ	set	0/2	0/2	0/1	0/1	0/1	0/1

Model	Cooling only		LSBLGF860 MH/NbA-M*	LSBLGF950 MH/NbA-M*	LSBLGF1050 MH/NbA-M*	LSBLGF1160 MH/NbA-M*	LSBLGF1320 MH/NbA-M*	LSBLGF1520 MH/NbA-M*
Capacity	Cooling	kW	860	950	1050	1160	1320	1520
		RT	244.5	270.1	298.6	329.9	375.4	432.2
Capacity steps		%	12.5%,25%~100%	12.5%,25%~100%	12.5%,25%~100%	8.3%,16.7%~100%	6.25%,12.5%~100%	6.25%,12.5%~100%
EER		W/W	3.31	3.39	3.28	3.31	3.34	3.38
Power supply		Ph/V/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50
Power input	Cooling	kW	260	280	320	350	395	450
	Type		Semi-hermetic screw					
	Starting mode		Star Delta Start					
Compressor	Quantity		2	2	2	3	4	4
	Type		Flooded Evaporator	Flooded Evaporator	Flooded Evaporator	Flooded Evaporator	Flooded Evaporator	Flooded Evaporator
	Water flow volume	m³/h	147.9	163.4	180.6	199.5	227.0	261.4
		GPM	651	719	795	878	1000	1151
	Pressure drop	kPa	≤65	≤60	≤70	≤55	≤60	≤60
	ft.WG	≤21.7	≤20.1	≤23.4	≤18.4	≤20.1	≤20.1	
Connection pipe	Type		DN150	DN150	DN150	DN150+DN125	2xDN150	2xDN150
	Type		Aluminum Fin-copper Tube					
	Total fan air flow	m³/h	20000×16	20000×18	21500×18	20000×22	20000×24	20000×28
	CFM	11772×16	11772×18	12654×18	11772×22	11772×24	11772×28	
Total fan motor power	kW	1.5×16	1.5×18	1.8×18	1.5×22	1.5×24	1.5×28	
Sound pressure level		dB(A)	75	76	76	76	76	76
Dimension	Outline(W×D×H)	mm	9780x2250x2550	11000x2250x2550	11000x2250x2550	13450x2250x2550	14670x2250x2550	17120x2250x2550
	Package(W×D×H)	mm	9860x2330x2550	11080x2330x2550	11080x2330x2550	13530x2330x2550	14750x2330x2550	17200x2330x2550
Net/Gross/Operating	Cooling only	kg	9130/9170/9313	10280/10320/10486	10510/10590/10720	13000/13080/13260	14880/14960/15178	16950/17030/17289
Loading quantity	40'GP/40'HQ	set	0/1	0/1	0/1	0/0	0/0	0/0

Note:
 * This product is under development. The parameters are estimated, please refer to the value on the nameplate.
 This series is certified by Eurovent and AHRI.
 Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.



High-efficiency Water-cooled Screw Chiller

This series of water cooled screw chiller adopts the advanced semi-enclosed dual-screw compressor, plus R134a eco-friendly refrigerant and vertical oil separator, to guarantee long time stable operation, high efficiency and energy saving; it is widely applicable to various kinds of office buildings, hospitals, schools, shopping centers and also applicable for cooling of production processing.



Display panel



Comprehensive protection



Self-diagnosis



Memory function



Easier maintainability

- Precision water temperature control thanks to stepless capacity adjustment from 25%~100%.(single comp.) or 12.5%~100%(dual comp.).
- Higher heat exchange efficiency thanks to flooded evaporating method.
- Higher efficiency under partial load thanks to paralleling operation design.
- High reliability oil return technology to avoid compressor damage from oil lack.
- Precision and stable volume adjusting thanks to orifice plus EXV throttle method.
- Automatic operation and energy saving operation makes an easier management.



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		LSBLG270HE/Nb-M	LSBLG300HE/Nb-M	LSBLG350HE/Nb-M	LSBLG380HE/Nb-M	LSBLG430HE/Nb-M	LSBLG460HE/Nb-M	
Cooling capacity	kW	265	298	345	372	430	460	
	RT	75.4	84.7	98.1	105.8	122.3	130.8	
Capacity steps	%	25-100	25-100	25-100	25-100	25-100	25-100	
EER	W/W	5.94	5.98	6.05	6.09	6.09	6.06	
IPLV	W/W	6.79	6.92	6.97	7.02	6.99	6.91	
Power supply	Ph/V/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	
Power input	kW	44.6	49.8	57.0	61.1	70.6	75.9	
RLA	A	588	588	588	640	640	730	
Compressor	Type	Semi-hermetic twin screw comp.						
	Starting mode	Y-△						
	Quantity	1	1	1	1	1	1	
Refrigerant charge volume	kg	85	100	105	110	115	130	
Refrigeration oil	Type	CPI-Solest-170						
	Charge volume	L	20	20	23	23	23	23
Evaporator	Type	Flooded type shell and tube evaporator						
	Fouling factor	m ² ·c/kW	0.018	0.018	0.018	0.018	0.018	0.018
	Water flow volume	m ³ /h	46	51	59	64	74	79
		GPM	201	226	261	282	326	348
	Pressure drop	kPa	56	52	48	52	53	49
		ft.WG	18	17	16	17	17	16
Connection pipe	—	Flanged connection						
Condenser	Type	Vertical type shell and tube condenser						
	Fouling factor	m ² ·c/kW	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow volume	m ³ /h	57	64	74	80	92	99
		GPM	251	282	327	352	407	435
	Pressure drop	kPa	57	56	55	57	56	55
		ft.WG	19	18	18	19	18	18
Connection pipe	—	Flanged connection						
Outline dimension (WxDxH)	mm	3170x1188x1680	3170x1188x1680	3175x1365x1959	3175x1365x1959	3175x1365x1959	3240x1465x2040	
Net/Gross/Operating weight	kg	2300/2400/2438	2330/2430/2470	2750/2850/2915	2780/2880/2947	2800/2900/2968	3350/3450/3551	

Model		LSBLG490HE/Nb-M	LSBLG550HE/Nb-M	LSBLG600HE/Nb-M	LSBLG670HE/Nb-M	LSBLG700HE/Nb-M	LSBLG760HE/Nb-M	LSBLG850HE/Nb-M	
Cooling capacity	kW	490	550	600	670	705	752	850	
	RT	139.3	156.4	170.6	190.5	200.5	213.8	241.7	
Capacity steps	%	25-100	25-100	25-100	25-100	12.5-100	12.5-100	12.5-100	
EER	W/W	6.1	6.06	6.06	6.06	6.06	6.06	6.13	
IPLV	W/W	7.02	6.90	6.93	6.93	6.97	6.99	7.07	
Power supply	Ph/V/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	
Power input	kW	80.4	90.7	99.0	110.5	116.4	124.0	138.6	
RLA	A	800	800	950	950	580	640	640	
Compressor	Type	Semi-hermetic twin screw comp.							
	Starting mode	Y-△							
	Quantity	1	1	1	1	2	2	2	
Refrigerant charge volume	kg	140	150	180	190	100+100	110+110	120+120	
Refrigeration oil	Type	CPI-Solest-170							
	Charge volume	L	23	23	28	28	23+23	23+23	23+23
Evaporator	Type	Flooded type shell and tube evaporator							
	Fouling factor	m ² ·c/kW	0.018	0.018	0.018	0.018	0.018	0.018	0.018
	Water flow volume	m ³ /h	84	95	103	115	121	129	146
		GPM	371	417	454	507	534	569	644
	Pressure drop	kPa	54	54	52	53	52	59	65
		ft.WG	18	18	17	17	17	19	21
Connection pipe	—	Flanged connection							
Condenser	Type	Vertical type shell and tube condenser							
	Fouling factor	m ² ·c/kW	0.044	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow volume	m ³ /h	105	118	129	144	152	162	183
		GPM	464	521	568	634	667	712	805
	Pressure drop	kPa	57	54	54	54	54	60	64
		ft.WG	19	18	18	18	18	20	21
Connection pipe	—	Flanged connection							
Outline dimension (WxDxH)	mm	3240x1465x2040	3240x1465x2040	3240x1508x2100	3240x1508x2100	3485x1530x2185	3485x1530x2185	3485x1530x2185	
Net/Gross/Operating weight	kg	3370/3470/3572	3400/3500/3604	3830/3930/4070	3880/3980/4125	5250/5400/5565	5330/5480/5650	5380/5530/5703	

Model		LSBLG920HE/Nb-M	LSBLG980HE/Nb-M	LSBLG1100HE/Nb-M	LSBLG1200HE/Nb-M	LSBLG1300HE/Nb-M	LSBLG1400HE/Nb-M	LSBLG1480HE/Nb-M	
Cooling capacity	kW	920	980	1100	1200	1300	1400	1480	
	RT	261.6	278.7	312.8	341.2	369.6	398.1	420.8	
Capacity steps	%	12.5-100	12.5-100	12.5-100	12.5-100	12.5-100	12.5-100	12.5-100	
EER	W/W	6.06	6.09	6.19	6.31	6.31	6.33	6.32	
IPLV	W/W	6.91	7.02	7.06	7.24	7.07	6.98	6.91	
Power supply	Ph/V/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	
Power input	kW	151.8	160.8	177.6	190.3	205.8	221.2	234	
RLA	A	730	800	800	950	950	950	950	
Compressor	Type	Semi-hermetic twin screw comp.							
	Starting mode	Y-△							
	Quantity	2	2	2	2	2	2	2	
Refrigerant charge volume	kg	135+135	140+140	155+155	180+180	190+190	210+210	210+210	
Refrigeration oil	Type	CPI-Solest-170							
	Charge volume	L	23+23	23+23	23+23	28+28	28+28	28+28	28+28
Evaporator	Type	Flooded type shell and tube evaporator							
	Fouling factor	m ² ·c/kW	0.018	0.018	0.018	0.018	0.018	0.018	0.018
	Water flow volume	m ³ /h	158	169	189	206	224	241	255
		GPM	697	742	833	909	984	1060	1121
	Pressure drop	kPa	70	68	67	99	97	96	98
		ft.WG	23	22	22	32	32	31	32
Connection pipe	—	Flanged connection							
Condenser	Type	Vertical type shell and tube condenser							
	Fouling factor	m ² ·c/kW	0.044	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow volume	m ³ /h	198	211	237	258	280	301	318
		GPM	871	928	1041	1136	1231	1325	1401
	Pressure drop	kPa	77	76	76	107	108	106	108
		ft.WG	25	25	25	35	35	35	35
Connection pipe	—	Flanged connection							
Outline dimension (WxDxH)	mm	4020x1600x2200	4020x1600x2200	4020x1600x2200	4550x1800x2200	4550x1800x2200	4550x1800x2200	4550x1800x2200	
Net/Gross/Operating weight	kg	6350/6500/6731	6380/6530/6763	6420/6570/6805	7790/7940/8282	7850/8000/8345	7900/8050/8398	7950/8100/8451	

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

CENTRIFUGAL CHILLER

CE Series Fixed-speed Centrifugal Chiller

CVE Series Permanent Magnet Synchronous Inverter Centrifugal Chiller

CC Series Magnetic Bearing Inverter Centrifugal Chiller



₹134a

CE Series Fixed-speed Centrifugal Chiller

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



Quiet function



Comprehensive protection



Memory function



Long-distance monitoring



High efficiency



Energy saving function



Two-stage compression

- 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.
- Variable-area diffuser is adopted to effectively improve surge margin and system operation range, and reduce noise and vibration.
- 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 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)
12	7	30	35	5~15	2.5~8	12~35	3.5~8

Model		LSBLX350SE	LSBLX400SE	LSBLX450SE	LSBLX500SE	LSBLX550SE	LSBLX600SE	LSBLX650SE	
Cooling capacity	kW	1231	1406	1582	1758	1934	2110	2285	
	RT	350	400	450	500	550	600	650	
Capacity steps	%	10~100	10~100	10~100	10~100	10~100	10~100	10~100	
EER	W/W	6.31	6.30	6.38	6.42	6.45	6.57	6.45	
IPLV	W/W	6.42	6.41	6.49	6.53	6.56	6.68	6.56	
Power supply	Ph/V/Hz	380V,3~50Hz							
Power input	kW	195	223	248	274	300	321	354	
RLA	A	329	376	419	463	506	542	598	
Compressor	Type	Centrifugal							
	Starting mode	Y-△							
	Quantity	1	1	1	1	1	1	1	
Refrigerant charge volume	kg	425	450	550	575	600	625	650	
Refrigeration oil	Type	No.68 synthetic fatty oil							
	Charge volume	L	50	50	50	50	50	50	60
Evaporator	Type	Flooded							
	Fouling factor	m ² ·c/KW	0.018	0.018	0.018	0.018	0.018	0.018	0.018
	Water flow rate	L/s	58.89	67.22	75.56	83.89	92.50	100.83	109.17
		GPM	933	1066	1198	1330	1466	1598	1730
	Pressure drop	kPa	65	65	70	70	85	85	85
		ft.WG	21.33	21.33	22.97	22.97	27.89	27.89	27.89
Connection pipe	—	DN200	DN200	DN250	DN250	DN250	DN250	DN250	
Condenser	Type	Shell and Tube							
	Fouling factor	m ² ·c/KW	0.044	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow rate	L/s	73.51	84.01	94.51	105.02	115.52	126.02	136.52
		GPM	1165	1332	1498	1665	1831	1997	2164
	Pressure drop	kPa	75	75	85	85	85	85	85
ft.WG		24.61	24.61	27.89	27.89	27.89	27.89	27.89	
Connection pipe	—	DN200	DN200	DN250	DN250	DN250	DN250	DN250	
Sound pressure level (Max.)	dB(A)	82	82	82	82	82	82	83	
Dimension	Outline(WxDxH)	mm	3850x1810x2220	3850x1810x2220	4250x1850x2310	4250x1850x2310	4250x1920x2370	4250x1920x2370	4250x2020x2390
	Package(WxDxH)	mm	4150x2010x2420	4150x2010x2420	4550x2050x2510	4550x2050x2510	4550x2120x2570	4550x2120x2570	4550x2220x2590
Net/Gross/Operating weight	kg	6750/8250/7800	7000/7500/8000	7350/7850/8650	7800/8300/8650	8350/8850/9650	8550/9050/1000	9600/10100/11300	
Loading quantity	mm	1	1	1	1	1	1	1	

Model		LSBLX700SE	LSBLX750SE	LSBLX800SE	LSBLX850SE	LSBLX900SE	LSBLX950SE	LSBLX1000SE	
Cooling capacity	kW	2461	2637	2813	2989	3164	3340	3516	
	RT	700	750	800	850	900	950	1000	
Capacity steps	%	10~100	10~100	10~100	10~100	10~100	10~100	10~100	
EER	W/W	6.48	6.54	6.57	6.54	6.56	6.59	6.58	
IPLV	W/W	6.59	6.65	6.68	6.65	6.67	6.70	6.70	
Power supply	Ph/V/Hz	380V,3~50Hz							
Power input	kW	380	403	428	457	482	507	534	
RLA	A	642	680	723	772	814	856	902	
Compressor	Type	Centrifugal							
	Starting mode	Y-△							
	Quantity	1	1	1	1	1	1	1	
Refrigerant charge volume	kg	675	700	725	750	900	925	950	
Refrigeration oil	Type	No.68 synthetic fatty oil							
	Charge volume	L	60	60	60	80	80	80	80
Evaporator	Type	Flooded							
	Fouling factor	m ² ·c/KW	0.018	0.018	0.018	0.018	0.018	0.018	0.018
	Water flow rate	L/s	117.50	126.11	134.44	142.78	151.11	159.72	168.06
		GPM	1862	1999	2131	2263	2395	2532	2664
	Pressure drop	kPa	85	85	95	95	110	110	110
		ft.WG	27.89	27.89	31.17	31.17	36.09	36.09	36.09
Connection pipe	—	DN250	DN250	DN250	DN250	DN300	DN300	DN300	
Condenser	Type	Shell and Tube							
	Fouling factor	m ² ·c/KW	0.044	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow rate	L/s	147.02	157.52	168.02	178.53	189.03	199.53	210.03
		GPM	2330	2497	2663	2830	2996	3163	3329
	Pressure drop	kPa	85	85	105	105	115	115	115
ft.WG		27.89	27.89	34.45	34.45	37.73	37.73	37.73	
Connection pipe	—	DN250	DN250	DN250	DN250	DN300	DN300	DN300	
Sound pressure level (Max.)	dB(A)	83	83	83	84	84	84	84	
Dimension	Outline(WxDxH)	mm	4250x2020x2390	4250x2020x2390	4250x2020x2390	4250x2020x2390	4580x2210x2600	4580x2210x2600	4580x2210x2600
	Package(WxDxH)	mm	4550x2220x2590	4550x2220x2590	4550x2220x2590	4550x2220x2590	4880x2410x2800	4880x2410x2800	4880x2410x2800
Net/Gross/Operating weight	kg	9850/10350/11500	10100/10600/11800	10350/10850/12100	12200/12700/14250	12450/12950/14500	12700/13200/14750	13000/13500/15000	
Loading quantity	mm	1	1	1	1	1	1	1	

Model		LSBLX1050SE	LSBLX1100SE	LSBLX1200SE	LSBLX1300SE	LSBLX1400SE	LSBLX1500SHE	LSBLX1600SHE	
Cooling capacity	kW	3692	3868	4219	4571	4922	5274	5626	
	RT	1050	1100	1200	1300	1400	1500	1600	
Capacity steps	%	10~100	10~100	10~100	10~100	10~100	10~100	10~100	
EER	W/W	6.62	6.65	6.58	6.62	6.64	6.58	6.65	
IPLV	W/W	6.73	6.76	6.69	6.74	6.76	6.70	6.76	
Power supply	Ph/V/Hz	380V,3~50Hz			10KV,3~50Hz				
Power input	kW	558	582	641	690	741	801	846	
RLA	A	942	983	1082	1165	1251	55	58	
Compressor	Type	Centrifugal							
	Starting mode	Y-Δ			Soft starting		Direct starting		
	Quantity	1	1	1	1	1	1	1	
Refrigerant charge volume	kg	950	975	1250	1300	1350	1400	1450	
Refrigeration oil	Type	No.68 synthetic fatty oil							
	Charge volume	L	80	80	100	100	100	100	
	Type	Flooded			Flooded				
Evaporator	Fouling factor	m ² ·c/kW	0.018	0.018	0.018	0.018	0.018	0.018	
	Water flow rate	L/s	176.39	184.72	201.67	218.33	235.28	251.94	268.89
		GPM	2796	2928	3197	3461	3729	3994	4262
	Pressure drop	kPa	110	110	115	115	115	115	115
		ft.WG	36.09	36.09	37.73	37.73	37.73	37.73	37.73
	Connection pipe	—	DN300	DN300	DN350	DN350	DN350	DN350	DN350
Condenser	Type	Shell and Tube							
	Fouling factor	m ² ·c/kW	0.044	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow rate	L/s	220.54	231.03	252.04	273.04	294.04	315.05	336.05
		GPM	3496	3662	3995	4328	4661	4994	5327
	Pressure drop	kPa	115	115	120	120	120	120	120
		ft.WG	37.73	37.73	39.37	39.37	39.37	39.37	39.37
Connection pipe	—	DN300	DN300	DN350	DN350	DN350	DN400	DN400	
Sound pressure level (Max.)	dB(A)	84	84	85	85	85	85	85	
Dimension	Outline(WxDxH)	mm	4580x2210x2600	4580x2210x2600	4810x2530x2830	4810x2530x2830	4810x2530x2830	4810x2730x2880	4810x2730x2880
	Package(WxDxH)	mm	4880x2410x2800	4880x2410x2800	5110x2730x3030	5110x2730x3030	5110x2730x3030	5110x2930x3080	5110x2930x3080
Net/Gross/Operating weight	kg	13250/13750/15250	13500/14000/15500	16600/17100/19500	16600/17100/19500	17400/17900/20700	18600/19100/22500	19000/19500/23000	
Loading quantity	mm	1	1	1	1	1	1	1	

CVE Series Permanent Magnet Synchronous Inverter Centrifugal

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 fan coil units to realize cooling for large civil and industrial buildings.



- Wide operation range
- Comprehensive protection
- Memory function
- Long-distance monitoring
- High efficiency
- Energy saving function
- Direct-driven impeller
- Integrated inverter
- Two-stage compression

Model		LSBLX1700SHE	LSBLX1800SHE	LSBLX1900SHE	LSBLX2000SHE	LSBLX2100SHE	LSBLX2200SHE	LSBLX2300SHE	
Cooling capacity	kW	5977	6329	6680	7032	7384	7735	8087	
	RT	1700	1800	1900	2000	2100	2200	2300	
Capacity steps	%	10~100	10~100	10~100	10~100	10~100	10~100	10~100	
EER	W/W	6.68	6.67	6.76	6.71	6.78	6.79	6.77	
IPLV	W/W	6.79	6.78	6.87	6.82	6.90	6.91	6.89	
Power supply	Ph/V/Hz	380V,3~50Hz							
Power input	kW	895	949	988	1048	1089	1139	1194	
RLA	A	61	65	67	72	74	78	81	
Compressor	Type	Centrifugal							
	Starting mode	Direct starting							
	Quantity	1	1	1	1	1	1	1	
Refrigerant charge volume	kg	1500	1600	1650	1700	2000	2100	2200	
Refrigeration oil	Type	No.68 synthetic fatty oil							
	Charge volume	L	100	120	120	120	120	120	
	Type	Flooded			Flooded				
Evaporator	Fouling factor	m ² ·c/kW	0.018	0.018	0.018	0.018	0.018	0.018	
	Water flow rate	L/s	285.56	302.50	319.17	336.11	352.78	369.44	386.39
		GPM	4526	4795	5059	5328	5592	5856	6125
	Pressure drop	kPa	115	125	125	125	125	125	125
		ft.WG	37.73	41.01	41.01	41.01	41.01	41.01	41.01
	Connection pipe	—	DN350	DN400	DN400	DN400	DN400	DN400	DN400
Condenser	Type	Shell and Tube							
	Fouling factor	m ² ·c/kW	0.044	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow rate	L/s	357.05	378.06	399.06	420.06	441.21	462.07	483.08
		GPM	5660	5992	6325	6658	6994	7324	7657
	Pressure drop	kPa	120	125	125	125	125	125	125
		ft.WG	39.37	41.01	41.01	41.01	41.01	41.01	41.01
Connection pipe	—	DN400	DN450	DN450	DN450	DN450	DN450	DN450	
Sound pressure level (Max.)	dB(A)	85	86	86	86	86	86	86	
Dimension	Outline(WxDxH)	mm	4810x2730x2880	5450x2730x2880	5450x2730x2880	5450x2730x2880	5750x2920x3300	5750x2920x3300	5750x2920x3300
	Package(WxDxH)	mm	5110x2930x3080	5750x2930x3080	5750x2930x3080	5750x2930x3080	6050x3120x3500	6050x3120x3500	6050x3120x3500
Net/Gross/Operating weight	kg	19500/20000/23500	23500/24000/28000	24000/24500/28500	24500/25000/29000	26000/26500/30650	26600//27100/31550	26900//27400/31850	
Loading quantity	mm	1	1	1	1	1	1	1	

- 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, whose power is over 400kW and rotation speed is over 18000rp. Meanwhile, 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 patented flow sensor control technology to control the position of motor precisely and improve the reliability.
- 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 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)
12.2	6.7	29.4	34.9	5~15	2.5~11	12~35	3.5~11

Model		LSBLX250SVE	LSBLX275SVE	LSBLX300SVE	LSBLX350SVE	LSBLX400SVE	LSBLX450SVE	
Cooling capacity	kW	880	967	1055	1231	1406	1582	
	RT	250	275	300	350	400	450	
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100	10~100	
EER	W/W	5.99	6.01	6.03	6.25	6.33	6.59	
IPLV	W/W	9.94	9.98	10.01	10.38	10.51	10.94	
Power supply	PhV/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	
Power input	kW	147	161	175	197	222	240	
RLA	A	225.6	247.1	268.6	302.3	340.7	368.3	
Compressor	Type	Semi-hermetic centrifugal compressor						
	Starting mode	Variable Frequency Drives						
	Quantity	1	1	1	1	1	1	
Refrigerant charge volume	kg	350	375	400	425	450	550	
Refrigeration oil	Type	No.68 synthetic fatty oil						
	Charge volume	L	30	30	30	40	40	
Evaporator	Type	Flooded type evaporator						
	Fouling factor	m ² .°C/kW	0.018	0.018	0.018	0.018	0.018	0.018
	Water flow rate	L/s	37.8	41.7	45.3	53.1	60.6	68.1
		GPM	598.8	660.5	717.7	841.0	959.9	1078.7
	Pressure drop	kPa	60	60	60	60	60	60
		ft.WG	19.7	19.7	19.7	19.7	19.7	19.7
Connection pipe	-	DN200	DN200	DN200	DN200	DN200	DN250	
Condenser	Type	Shell and tube						
	Fouling factor	m ² .°C/kW	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow rate	L/s	47.5	52.2	56.9	66.4	75.8	85.6
		GPM	752.9	827.8	902.6	1052.3	1202.0	1356.1
	Pressure drop	kPa	55	55	55	55	55	55
ft.WG		18.0	18.0	18.0	18.0	18.0	18.0	
Connection pipe	-	DN200	DN200	DN200	DN200	DN200	DN250	
Sound pressure level (Max.)	dB(A)	80	80	80	82	82	82	
Dimension	Outline(WxDxH)	mm	3770×1580×1840	3770×1580×1840	3770×1580×1840	3850×1810×2000	3850×1810×2000	4200×1850×2150
	Package(WxDxH)	mm	3900×1700×2000	3900×1700×2000	3900×1700×2000	3900×1950×2300	3900×1950×2300	4350×1850×2300
Net/Gross/Operating weight	kg	5150/5350/5600	5250/5450/5700	5400/5850/6200	5500/5900/6400	5700/6100/6700	6800/7200/7900	
Loading quantity	40'GP/40'HQ	set	1	1	1	1	1	

Model		LSBLX800SVE	LSBLX850SVE	LSBLX900SVE	LSBLX950SVE	LSBLX1000SVE	LSBLX1100SVE	LSBLX1200SVE	
Cooling capacity	kW	2813	2989	3164	3340	3516	3868	4220	
	RT	800	850	900	950	1000	1100	1200	
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100	10~100	10~100	
EER	W/W	6.79	6.75	6.88	6.89	7.03	7.06	6.94	
IPLV	W/W	11.27	11.23	11.42	11.44	11.68	11.93	11.70	
Power supply	PhV/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	
Power input	kW	414	443	460	485	500	548	608	
RLA	A	635.4	679.9	706.0	744.3	767.4	841.0	933.1	
Compressor	Type	Semi-hermetic centrifugal compressor							
	Starting mode	Variable Frequency Drives							
	Quantity	1	1	1	1	1	1	1	
Refrigerant charge volume	kg	725	730	900	925	950	975	1000	
Refrigeration oil	Type	No.68 synthetic fatty oil							
	Charge volume	L	40	40	50	50	50	50	
Evaporator	Type	Flooded type evaporator							
	Fouling factor	m ² .°C/kW	0.018	0.018	0.018	0.018	0.018	0.018	0.018
	Water flow rate	L/s	120.8	128.6	136.1	143.6	151.1	166.7	181.7
		GPM	1915.3	2038.6	2157.5	2276.4	2395.2	2641.8	2880
	Pressure drop	kPa	75	75	100	100	100	100	100
		ft.WG	24.6	24.6	32.8	32.8	32.8	32.8	33
Connection pipe	-	DN250	DN250	DN300	DN300	DN300	DN300	DN350	
Condenser	Type	Shell and tube							
	Fouling factor	m ² .°C/kW	0.044	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow rate	L/s	151.9	161.4	170.8	180.3	180.3	208.3	227.50
		GPM	2408.441	2558.143	2707.845	2857.547	2857.547	3302.25	3606
	Pressure drop	kPa	70	70	85	85	85	90	90
ft.WG		23.0	23.0	27.9	27.9	27.9	29.5	30	
Connection pipe	-	DN250	DN250	DN300	DN300	DN300	DN300	DN350	
Sound pressure level (Max.)	dB(A)	88	88	88	88	88	88	88	
Dimension	Outline(WxDxH)	mm	4250×2020×2300	4250×2020×2300	4580×2210×2430	4580×2210×2430	4580×2210×2430	4720×2550×2680	4720×2550×2680
	Package(WxDxH)	mm	4350×2150×2400	4350×2150×2400	4700×2350×2550	4700×2350×2550	4700×2350×2550	5020×2750×2880	5020×2750×2880
Net/Gross/Operating weight	kg	9500/10000/11000	9900/10400/11500	10000/10600/12000	10150/10750/12200	10500/11100/12700	11000/11600/13500	12700/13200/14500	
Loading quantity	40'GP/40'HQ	set	1	1	1	1	1	1	

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

Model		LSBLX500SVE	LSBLX550SVE	LSBLX600SVE	LSBLX650SVE	LSBLX700SVE	LSBLX750SVE	
Cooling capacity	kW	1758	1934	2110	2285	2461	2637	
	RT	500	550	600	650	700	750	
Capacity adjustment range	%	10~100	10~100	10~100	10~100	10~100	10~100	
EER	W/W	6.53	6.81	6.74	6.84	6.74	6.92	
IPLV	W/W	10.84	11.30	11.19	11.35	11.22	11.49	
Power supply	PhV/Hz	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	3/380/50	
Power input	kW	269	284	313	334	365	381	
RLA	A	412.8	435.9	480.4	512.6	560.2	584.7	
Compressor	Type	Semi-hermetic centrifugal compressor						
	Starting mode	Variable Frequency Drives						
	Quantity	1	1	1	1	1	1	
Refrigerant charge volume	kg	575	600	625	650	675	700	
Refrigeration oil	Type	No.68 synthetic fatty oil						
	Charge volume	L	40	40	40	40	40	
Evaporator	Type	Flooded type evaporator						
	Fouling factor	m ² .°C/kW	0.018	0.018	0.018	0.018	0.018	0.018
	Water flow rate	L/s	75.6	83.1	90.8	98.3	105.8	113.3
		GPM	1197.6	1316.5	1439.8	1558.7	1677.5	1796.4
	Pressure drop	kPa	60	60	75	75	75	75
		ft.WG	19.7	19.7	24.6	24.6	24.6	24.6
Connection pipe	-	DN250	DN250	DN250	DN250	DN250	DN250	
Condenser	Type	Shell and tube						
	Fouling factor	m ² .°C/kW	0.044	0.044	0.044	0.044	0.044	0.044
	Water flow rate	L/s	95.0	104.4	113.9	123.3	132.8	142.3
		GPM	1505.8	1655.5	1805.2	1954.9	2104.6	2254.3
	Pressure drop	kPa	55	55	70	70	70	70
ft.WG		18.0	18.0	23.0	23.0	23.0	23.0	
Connection pipe	-	DN250	DN250	DN250	DN250	DN250	DN250	
Sound pressure level (Max.)	dB(A)	85	85	85	85	88	88	
Dimension	Outline(WxDxH)	mm	4200×1850×2150	4200×1920×2250	4200×1920×2250	4250×2020×2300	4250×2020×2300	4250×2020×2300
	Package(WxDxH)	mm	4350×1850×2300	4300×2050×2350	4300×2050×2350	4370×2050×2410	4370×2050×2410	4350×2150×2410
Net/Gross/Operating weight	kg	7000/7500/8200	7200/7700/8600	8300/8800/9800	8400/8900/9900	8500/9000/10200	9100/9600/10500	
Loading quantity	40'GP/40'HQ	set	1	1	1	1	1	

CC Series Magnetic Bearing Inverter Centrifugal



Gree CC 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.



- Quiet function
- Comprehensive protection
- Memory function
- Long-distance monitoring



- It adopts magnetic bearing to achieve oil-free operation and reduce the heat exchange influence of lubricant
- The system adopts flooded heat exchange design and build-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 function
- Noise of the entire unit is lower than 70dB(A)

Model		LSBLX130SCE	LSBLX150SCE	LSBLX250SCE	LSBLX275SCE	LSBLX300SCE	
Cooling capacity	kW	457	528	879	967	1055	
	RT	130	150	250	275	300	
Capacity adjustment range	%	10~100					
EER	W/W	5.79	5.56	5.98	5.86	5.76	
IPLV	W/W	10.3	10.16	10.5	10.42	10.2	
Power supply	Ph/V/Hz	3/380/50					
Power input	kW	79	95	147	165	183	
RLA	A	121.2	145.8	225.6	253.2	280.9	
Compressor	Type	Semi-hermetic centrifugal compressor					
	Starting mode	Variable Frequency Drives					
	Quantity	1	1	2	2	2	
Refrigerant charge volume	kg	235	260	255	280	305	
Evaporator	Type	Flooded type evaporator					
	Fouling factor	m ² .°C/kW	0.018	0.018	0.018	0.018	
	Water flow rate	L/s	19.7	22.8	37.8	41.7	45.3
		GPM	312.6	361.0	598.8	660.5	717.7
	Pressure drop	kPa	65	65	75	75	75
		ft.WG	21.3	21.3	24.6	24.6	24.6
Connection pipe	-	DN150	DN150	DN150	DN150	DN150	
Condenser	Type	Shell and tube					
	Fouling factor	m ² .°C/kW	0.044	0.044	0.044	0.044	
	Water flow rate	L/s	24.7	28.6	47.5	52.2	56.9
		GPM	391.9	453.5	752.9	827.8	902.6
	Pressure drop	kPa	60	60	70	70	70
		ft.WG	19.7	19.7	23.0	23.0	23.0
Connection pipe	-	DN150	DN150	DN200	DN200	DN200	
Sound pressure level (Max.)	Db(A)	70					
Dimension	Outline(WxDxH)	3000x1250x2000					
	Package(WxDxH)	3100x1350x2100					
Net/Gross/Operating weight	Kg	2200/2500/2600					
Loading quantity	40'GP/40'HQ	set 1					

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

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)
12.2	6.7	29.4	34.9	5~15	2.5~11	12~35	3.5~11

Control System Lineup

Control system	Product series	Modular chiller			Screw chiller		Centrifugal chiller	Inverter Centrifugal Chiller	Magnetic suspension inverter centrifugal chiller(CC series)
		Split series	Integral series	D series	Air-cooled Screw chiller	Water-cooled screw chiller			
Chiller	Wired remote controller	Z16301	●						
		Z12301A		●					
	Display panel	Z26301C			●				
		Z2F3M*1				●			
		Z2G1DJ01*1					●		
Touch screen*1	CM27-GM12/A2(M)					●	●	●	
	CM18-GM8/A2(M)					○			
Long-distance monitoring software	Gree AC Eudemon 2009*3	FE30-00/A(M)		○	○	○	○	○	
BMS accessories*2 (modbus)	Communication module	ME30-28/E(M)		○					
Other modules	Optoelectronic isolated converter	RS232-RS422/485		○	○	○	○	○	
		Patch board	RS-422/485		○	○	○	○	
	Optoelectronic isolated signal multiplier	Z103	●	●					

Note:
 ● means standard, ○ means optional.
 *1 With BMS(modbus) function.
 *2 BMS interface is equipped.
 *3 For air-cooled scroll chiller, if long-distance monitoring software Gree Eudemon 2009 is selected, the communication module ME30-28/E(M) shall be selected also. The selection shall refer to actual models.

TERMINAL

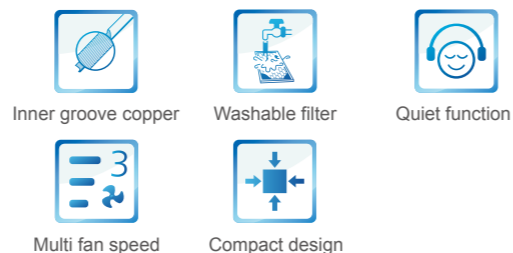
Fan Coil Unit
Air Curtain



Fan Coil Unit

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.



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



Nominal test condition (temperature)				
Item	DB (°C)	WB (°C)	Inlet (°C)	Outlet (°C)
Cooling	27	19.5	7	12
Heating	21	—	60	—

2 Rows/Standard Type*

Model		FP-34WA-K	FP-51WA-K	FP-68WA-K	FP-85WA-K	FP-102WA-K	FP-136WA-K	FP-170WA-K	FP-204WA-K
Air flow volume(H/M/L)	CFM	200/146/125	300/232/155	400/291/194	500/375/250	600/464/309	800/644/429	1000/750/500	1200/926/618
ESP	Pa	12	12	12	12	12	12	12	12
Capacity	Cooling/Heating	kW	1.85/3.05	2.8/4.4	3.6/5.5	4.5/7.0	5.5/8.9	7.35/11.0	9.2/14.0
Power system	Type	PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
	Input	W	37	45	62	70	96	120	145
Water system	Water flow volume	l/s	0.1	0.14	0.17	0.21	0.27	0.6	0.45
	Pressure drop	kPa	12	21	16	23	36	38	38
		Ft-WG	4	7	5.3	7.7	12.0	12.7	12.7
Sound pressure level	dB(A)	35	38	40	42	44	46	48	50
Dimension (W×D×H)	Outline	mm	881×510×245	1011×510×245	1131×510×245	1211×510×245	1211×510×245	1176×510×245	1761×510×245
	Package	mm	900×560×275	1030×560×275	1150×560×275	1230×560×275	1230×560×275	1780×560×275	1780×560×275
Net weight/Gross weight	kg	14/17	15/19.5	16.5/21	18/22	19/24	28.5/35	34/39	35/40
Connection pipe diameter	Water inlet & outlet (inner groove)	inch(mm)	Rc3/4						
	Condensed water drain (outer groove)	inch(mm)	Rc3/4						
Loading quantity	40'GP/40'HQ	set	448/490	447/482	344/386	316/355	316/355	220/247	220/247
Optionals	Wired remote controller	—	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0						
	Plenum with filter	—	HF31	HF32	HF33	HF34	HF34	HF36	HF36
	Plenum without filter	—	HF41	HF42	HF43	HF44	HF44	HF46	HF46

2 Rows/High ESP Type*

Model		FP-34WAH-K	FP-51WAH-K	FP-68WAH-K	FP-85WAH-K	FP-102WAH-K	FP-136WAH-K	FP-170WAH-K	FP-204WAH-K
Air flow volume(H/M/L)	CFM	200/146/125	300/232/155	400/291/194	500/375/250	600/464/309	800/644/429	1000/750/500	1200/926/618
ESP	Pa	30	30	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	1.8/3.05	2.8/4.4	3.6/5.5	4.5/7.0	5.5/8.9	7.35/11.0	9.2/14.0
Power system	Type	PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
	Input	W	42	55	68	80	102	140	158
Water system	Water flow volume	l/s	0.1	0.14	0.17	0.21	0.27	0.6	0.45
	Pressure drop	kPa	12	21	16	23	36	38	38
		Ft-WG	4	7	5.3	7.7	12.0	12.7	12.7
Sound pressure level	dB(A)	38	40	42	44	46	47	49	52
Dimension (W×D×H)	Outline	mm	881×510×245	1011×510×245	1131×510×245	1211×510×245	1211×510×245	1761×510×245	1761×510×245
	Package	mm	900×560×275	1030×560×275	1150×560×275	1230×560×275	1230×560×275	1780×560×275	1780×560×275
Net weight/Gross weight	kg	14/17	15/19.5	16.5/21	18/22	19/24	28.5/35	34/39	35/40
Connection pipe diameter	Water inlet & outlet (inner groove)	inch(mm)	Rc3/4						
	Condensed water drain (outer groove)	inch(mm)	Rc3/4						
Loading quantity	40'GP/40'HQ	set	448/490	447/482	344/386	316/355	316/355	220/247	220/247
Optionals	Wired remote controller	—	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0						
	Plenum with filter	—	HF31	HF32	HF33	HF34	HF34	HF36	HF36
	Plenum without filter	—	HF41	HF42	HF43	HF44	HF44	HF46	HF46

*Note: Horizontal fan coil unit with air return can be added for option choice.

3 Rows*

Model		FP-34WAS-R	FP-51WAS-R	FP-68WAS-R	FP-85WAS-R	FP-102WAS-R	FP-136WAS-R
Air flow volume(H/M/L)	CFM	200/146/125	300/232/155	400/291/194	500/375/250	600/464/309	800/644/429
ESP	Pa	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	2.19/3.29	3.37/5.06	4.28/6.42	5.04/7.56	6.46/9.70
Power system	Type	PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
	Input	W	44	59	72	87	108
Water system	Water flow volume	l/s	0.11	0.17	0.22	0.25	0.32
	Pressure drop	kPa	10	15	25	30	40
		Ft-WG	3.3	5	8.4	10	13.3
Sound pressure level	dB(A)	38	40	42	44	46	47
Dimension (W×D×H)	Outline	mm	881×510×245	1011×510×245	1131×510×245	1211×510×245	1371×510×245
	Package	mm	900×560×275	1030×560×275	1150×560×275	1230×560×275	1390×560×275
Net weight/Gross weight	kg	15/19	16/20.5	18/23	19.5/24.5	21/26	30/35
Connection pipe diameter	Water inlet & outlet (inner groove)	inch(mm)	Rc3/4				
	Condensed water drain (outer groove)	inch(mm)	Rc3/4				
Loading quantity	40'GP/40'HQ	set	448/490	392/434	344/386	316/355	268/301
Optionals	Wired remote controller	—	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0				
	Plenum with filter	—	HF31	HF32	HF33	HF34	HF35
	Plenum without filter	—	HF41	HF42	HF43	HF44	HF45
		—	HF41	HF42	HF43	HF44	HF45

Model		FP-170WAS-R	FP-204WAS-R	FP-238WAS-R ^{*1}	FP-272WAS-R ^{*1}	FP-306WAS-R ^{*1}	FP-340WAS-R ^{*1}
Air flow volume(H/M/L)	CFM	1000/750/500	1200/926/618	1400/971/729	1600/1235/868	1800/1006/674	2000/1400/812
ESP	Pa	30	30	30	30	30	30
Capacity	Cooling/Heating	kW	11.4/18.2	12.2/18.6	12.4/19.5	13.5/21.3	16.0/24.8
Power system	Type	PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
	Input	W	174	212	380	475	535
Water system	Water flow volume	l/s	0.55	0.57	0.57	0.64	0.74
	Pressure drop	kPa	38	45	21.9	27.9	37.5
		Ft-WG	12.7	15	7.3	9.3	12.5
Sound pressure level	dB(A)	49	52	56	59	62	63
Dimension (W×D×H)	Outline	mm	1921×510×245	1921×510×245	1671×595×354	1671×595×354	1921×595×354
	Package	mm	1940×560×275	1940×560×275	1750×650×380	1750×650×380	1950×650×380
Net weight/Gross weight	kg	33/38.5	24/39.5	48/55	48/55	52/60	52/60
Connection pipe diameter	Water inlet & outlet (inner groove)	inch(mm)	Rc3/4		Rc1		
	Condensed water drain (outer groove)	inch(mm)	Rc3/4		Rc1		
Loading quantity	40'GP/40'HQ	set	196/220	196/220	140/166	140/166	130/153
Optionals	Wired remote controller	—	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0				
	Plenum with filter	—	HF37	HF37	HF28	HF28	HF29
	Plenum without filter	—	HF47	HF47	HF48	HF48	HF49

*1: This product model is not fit for EU.

Model		FP-238WASD-K	FP-272WASD-K	FP-306WASD-K	FP-340WASD-K
Air flow volume(H/M/L)	CFM	1400/1200/900	1600/1350/1000	1800/1550/1250	2000/1650/1400
ESP	Pa	30	30	30	30
Capacity	Cooling/Heating	kW	12.4	13.5	14.8
Power system	Type	PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50
	Input	W	220	290	385
Water system	Water flow volume	l/s	0.59	0.65	0.71
	Pressure drop	kPa	14	17	30
		Ft-WG	4.59	5.57	9.84
Sound pressure level	dB(A)	56	59	62	63
Dimension (W×D×H)	Outline	mm	1671×595×354	1671×595×354	1921×595×354
	Package	mm	1753×653×395	1753×653×395	1953×653×395
Net weight/Gross weight	kg	48/55	48/55	53/61	53/61
Connection pipe diameter	Water inlet & outlet(inner groove)	inch(mm)	1"(inner groove)	1"(inner groove)	1"(inner groove)
	Condensed water drain(outer groove)	inch(mm)	1"(inner groove)	1"(inner groove)	1"(inner groove)
Loading quantity	40'GP/40'HQ	set	448/490	447/482	344/386
Optionals	Wired remote controller	—	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0		

4 Rows

Model		FP-34WAF-R	FP-51WAF-R	FP-68WAF-R	FP-85WAF-R	FP-102WAF-R	FP-136WAF-R
Air flow volume(H/M/L)		CFM 188/156/80	289/259/186	383/324/207	477/368/242	571/507/395	760/616/424
ESP		Pa 30	30	30	30	30	30
Capacity		Cooling/Heating kW 2.11/3.70	3.82/5.70	4.85/7.20	5.71/8.50	7.32/10.90	9.26/13.80
Power system		Type Ph/V/Hz 1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Water system		Input W 44	59	80	87	108	156
Water system		Water flow volume l/s 0.11	0.19	0.24	0.31	0.35	0.43
Water system		Pressure drop kPa 15	7.8	9.7	23.3	35.5	16.4
Water system		Pressure drop Ft-WG 5	2.6	3.2	7.8	11.8	5.5
Sound pressure level		dB(A) 40	42	44	47	49	50
Dimension (W×D×H)		Outline mm 881×510×245	1011×510×245	1131×510×245	1211×510×245	1371×510×245	1761×510×245
Dimension (W×D×H)		Package mm 900×560×275	1030×560×275	1150×560×275	1230×560×275	1390×560×275	1780×560×275
Net weight/Gross weight		kg 14.4/18.9	17.2/21.9	19.2/24.1	20.5/25.6	23.2/28.7	34.2/40.5
Connection pipe diameter		Water inlet & outlet (inner groove) inch(mm)	Rc3/4				
Connection pipe diameter		Condensed water drain (outer groove) inch(mm)	Rc3/4				
Loading quantity		40'GP/40'HQ set	448/490	392/434	344/386	316/355	268/301
Options		Wired remote controller	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0				
Options		Plenum with filter	HF31	HF32	HF33	HF34	HF35
Options		Plenum without filter	HF41	HF42	HF43	HF44	HF45

*Note: Horizontal fan coil unit with air return can be added for option choice.

Model		FP-170WAF-R	FP-204WAF-R	FP-238WAF-R ^{*1}	FP-272WAF-R ^{*1}	FP-306WAF-R ^{*1}	FP-340WAF-R ^{*1}
Air flow volume(H/M/L)		CFM 948/750/500	1043/926/618	1400/971/729	1600/1235/868	1800/1006/674	2000/1400/812
ESP		Pa 30	30	30	30	30	30
Capacity		Cooling/Heating kW 11.4/18.2	12.2/20.6	14.2/21.4	16.0/24.0	18.7/28.1	19.8/29.7
Power system		Type Ph/V/Hz 1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Power system		Input W 174	212	380	475	535	640
Water system		Water flow volume l/s 0.51	0.58	0.78	0.89	1.02	1.13
Water system		Pressure drop kPa 23.9	31.5	29.2	21.7	26.2	32.5
Water system		Pressure drop Ft-WG 8.0	10.5	9.7	7.2	8.7	10.8
Sound pressure level		dB(A) 51	52	56	58	60	61
Dimension (W×D×H)		Outline mm 1921×510×245	1921×510×245	1671×595×354	1671×595×354	1921×595×354	1921×595×354
Dimension (W×D×H)		Package mm 1940×560×275	1940×560×275	1750×650×380	1750×650×380	1950×650×380	1950×650×380
Net weight/Gross weight		kg 37.5/44	37.5/44	52/60	52/60	59/66	59/66
Connection pipe diameter		Water inlet & outlet (inner groove) inch(mm)	Rc3/4		Rc1		
Connection pipe diameter		Condensed water drain (outer groove) inch(mm)	Rc3/4		Rc1		
Loading quantity		40'GP/40'HQ set	196/220	196/220	140/166	130/153	130/153
Options		Wired remote controller	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0				
Options		Plenum with filter	HF37	HF37	HF28	HF28	HF29
Options		Plenum without filter	HF47	HF47	HF48	HF48	HF49

*1: This product model is not fit for EU.

Model		FP-238WAFD-K	FP-272WAFD-K	FP-306WAFD-K	FP-340WAFD-K	
Air flow volume(H/M/L)		CFM 1400/1200/900	1600/1350/1000	1800/1550/1250	2000/1650/1400	
ESP		Pa 30	30	30	30	
Capacity		Cooling/Heating kW 14.2	15.5	17.5	18.2	
Power system		Type Ph/V/Hz 1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	
Power system		Input W 210	280	385	415	
Water system		Water flow volume l/s 0.68	0.74	0.84	0.87	
Water system		Pressure drop kPa 17	19	38	38	
Water system		Pressure drop Ft-WG 5.57	6.23	12.46	12.46	
Sound pressure level		dB(A) 56	58	60	61	
Dimension (W×D×H)		Outline mm 1671×595×354	1671×595×354	1921×595×354	1921×595×354	
Dimension (W×D×H)		Package mm 1753×653×395	1753×653×395	1953×653×395	1953×653×395	
Net weight/Gross weight		kg 51/59	52/59	56/63	56/63	
Connection pipe diameter		Water inlet & outlet(inner groove) inch(mm)	1"(inner groove)			
Connection pipe diameter		Condensed water drain(outer groove) inch(mm)	3/4"(inner groove)			
Loading quantity		40'GP/40'HQ set	448/490	447/482	344/386	
Options		Wired remote controller	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0			

3+1 Rows

Model		FP-34WAT-R	FP-51WAT-R	FP-68WAT-R	FP-85WAT-R	FP-102WAT-R	FP-136WAT-R
Air flow volume(H/M/L)		CFM 188/156/80	289/259/186	383/324/207	477/368/242	571/507/395	760/616/424
ESP		Pa 30	30	30	30	30	30
Capacity		Cooling/Heating kW 1.95/1.76	3.07/2.49	3.88/3.17	4.55/3.83	5.82/4.85	7.35/6.69
Power system		Type Ph/V/Hz 1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Power system		Input W 44	59	80	87	108	156
Water system		Water flow volume l/s 0.11	0.17	0.21	0.29	0.32	0.39
Water system		Pressure drop kPa 10.6	23.3	18.2	38	56.5	16.8
Water system		Pressure drop Ft-WG 3.5	7.8	6.1	12.7	18.8	5.6
Sound pressure level		dB(A) 40	42	44	47	49	50
Dimension (W×D×H)		Outline mm 881×510×245	1011×510×245	1131×510×245	1211×510×245	1371×510×245	1761×510×245
Dimension (W×D×H)		Package mm 900×560×275	1030×560×275	1150×560×275	1230×560×275	1390×560×275	1780×560×275
Net weight/Gross weight		kg 14.4/18.9	17.2/21.9	19.2/24.1	20.5/25.6	23.2/28.7	34.2/40.5
Connection pipe diameter		Water inlet & outlet (inner groove) inch(mm)	Rc3/4				
Connection pipe diameter		Condensed water drain (outer groove) inch(mm)	Rc3/4				
Loading quantity		40'GP/40'HQ set	448/490	392/434	344/386	316/355	268/301
Options		Wired remote controller	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0				
Options		Plenum with filter	HF31	HF32	HF33	HF34	HF35
Options		Plenum without filter	HF41	HF42	HF43	HF44	HF45

Model		FP-170WAT-R	FP-204WAT-R	FP-238WAT-R ^{*1}	FP-272WAT-R ^{*1}	FP-306WAT-R ^{*1}	FP-340WAT-R ^{*1}
Air flow volume(H/M/L)		CFM 948/836/645	1043/786/754	1400/970/729	1600/1235/867	1800/1006/674	2000/1400/812
ESP		Pa 30	30	30	30	30	30
Capacity		Cooling/Heating kW 9.65/7.00	10.96/8.85	12.35/12.97	13.49/14.165	15.67/16.46	16.53/17.36
Power system		Type Ph/V/Hz 1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Power system		Input W 174	212	380	475	535	640
Water system		Water flow volume l/s 0.50	0.52	0.59	0.65	0.80	0.84
Water system		Pressure drop kPa 28	29.4	21.8	26.6	42.1	46.4
Water system		Pressure drop Ft-WG 9.3	9.8	7.3	8.9	14.0	15.5
Sound pressure level		dB(A) 51	52	56	58	60	61
Dimension (W×D×H)		Outline mm 1921×510×245	1921×510×245	1671×595×354	1671×595×354	1921×595×354	1921×595×354
Dimension (W×D×H)		Package mm 1940×560×275	1940×560×275	1750×650×380	1750×650×380	1950×650×380	1950×650×380
Net weight/Gross weight		kg 37.5/44	37.5/44	52/60	52/60	59/66	59/66
Connection pipe diameter		Water inlet & outlet (inner groove) inch(mm)	Rc3/4		Rc1		
Connection pipe diameter		Condensed water drain (outer groove) inch(mm)	Rc3/4		Rc1		
Loading quantity		40'GP/40'HQ set	196/220	196/220	140/166	140/166	130/153
Options		Wired remote controller	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0				
Options		Plenum with filter	HF37	HF37	HF28	HF28	HF29
Options		Plenum without filter	HF47	HF47	HF48	HF48	HF49

*1: This product model is not fit for EU.

Model		FP-238WATD-K	FP-272WATD-K	FP-306WATD-K	FP-340WATD-K	
Air flow volume(H/M/L)		CFM 1400/1200/900	1600/1350/1000	1800/1550/1250	2000/1650/1400	
ESP		Pa 30	30	30	30	
Capacity		Cooling/Heating kW 12.35	13	15	15.6	
Power system		Type Ph/V/Hz 1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	
Power system		Input W 210	280	385	415	
Water system		Water flow volume l/s 0.59	0.65	0.72	0.75	
Water system		Pressure drop kPa 15	17	33	31	
Water system		Pressure drop Ft-WG 4.92	5.57	10.82	10.16	
Sound pressure level		dB(A) 56	58	60	61	
Dimension (W×D×H)		Outline mm 1671×595×354	1671×595×354	1921×595×354	1921×595×354	
Dimension (W×D×H)		Package mm 1753×653×395	1753×653×395	1953×653×395	1953×653×395	
Net weight/Gross weight		kg 52/60	52/60	57/65	57/65	
Connection pipe diameter		Water inlet & outlet(inner groove) inch(mm)	1"(inner groove)			
Connection pipe diameter		Condensed water drain(outer groove) inch(mm)	3/4"(inner groove)			
Loading quantity		40'GP/40'HQ set	316/355	220/247	220/247	
Options		Wired remote controller	Luxury wired controller: WK-010PA-K; LCD controller: WK-110PA0			

Fan Coil Unit

Cassette Type



- Inner groove copper
- Built-in drain pump
- Washable filter
- Anti-cold function
- Quiet function
- Multi fan speed
- Compact design
- Self-diagnosis

- Thanks to optimized air flue design that 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.



Nominal test condition (temperature)				
Item	DB (°C)	WB (°C)	Inlet (°C)	Outlet (°C)
Cooling	27	19	7	12
Heating	20	—	50	40

2 Pipe Type

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/D-K		
Air flow volume (H/M/L)	CFM	471/382/324	600/559/529	694/588/529	824/735/676	912/824/765	1059/853/794	2000/1500/1000		
Capacity	Cooling/Heating	kW		kW		kW		kW		
		4.50/5.60		5.00/6.50		6.00/7.80		8.00/9.00		
Power system	Type	Ph/V/Hz								
	Input	W								
Water system	Water flow volume	l/s								
	Pressure drop	kPa								
		Ft-WG								
Sound pressure level	dB(A)									
Connection pipe size	Water inlet & outlet	inch(mm)								
	Condensed water drain	mm								
Body	Dimension (W×D×H)	Outline	mm							
		Package	mm							
	Net weight/Gross weight	kg								
Panel	Dimension (W×D×H)	Outline	mm							
		Package	mm							
	Net weight/Gross weight	kg								
Loading quantity	40'GP/40'HQ	set								
Standard controller	Wireless remote	-								
Optional controller	Wired remote	-								

*1: This product model is not fit for EU.

Fan Coil Unit

Floor Ceiling Type



- Inner groove copper
- Washable filter
- Anti-cold function
- Quiet function
- Auto clean
- Multi fan speed
- Self-diagnosis
- Compact design

- Thanks to optimized air duct design that 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.



Nominal test condition (temperature)				
Item	DB(°C)	DB(°C)	DB(°C)	DB(°C)
Cooling	27	19	7	12
Heating	21	—	70	60

Model		FP-34ZD-K	FP-51ZD-K	FP-68ZD-K	FP-85ZD-K	FP-102ZD-K	FP-136ZD-K	FP-170ZD-K	FP-204ZD-K	
Air flow volume (H/M/L)	m³/h	400/292/250	510/395/264	680/450/430	720/615/410	1020/765/510	1100/880/550	1800/1276/850	2040/1575/1051	
	CFM	235/172/147	300/232/155	400/265/194	424/362/241	599/450/300	647/518/324	1059/751/500	1201/927/619	
Capacity	Cooling	kW								
	Heating	kW								
Power system	Type	Ph/V/Hz								
	Input	W								
Water system	Water flow volume	l/s								
	Pressure drop	kPa								
		Ft-WG								
Sound pressure level	dB(A)									
Connection pipe diameter	Water inlet & outlet	inch(mm)								
	Condensed water drain	inch(mm)								
Dimension (W×D×H)	Outline	mm								
	Package	mm								
Net weight/Gross weight	kg									
Loading quantity	40'GP/40'HQ	set								
Standard	Wireless remote controller	—								
Optional	Wired remote controller	—								

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

Fan Coil Unit

Wall Mounted Type



- 
Inner groove copper
- 
Washable filter
- 
Anti-cold function
- 
Quiet function
- 
Auto clean
- 
Multi fan speed
- 
Compact design

- Thanks to optimized air flue design that greatly improve the fan efficiency and lower the operation noise.
- Reasonable airflow that makes an even temperature and humidity distribution.
- The unit is with air valve for more reliable operation.



Nominal test condition (temperature)				
Item	DB(°C)	WB(°C)	Inlet(°C)	Outlet(°C)
Cooling	27	19	7	12
Heating	21	—	60	—

Model			FP-34BA2/D-K	FP-51BA2/D-K	FP-68BA2/D-K	FP-85BA2/D-K
Air flow volume	High	CFM	212	324	400	500
	Medium	CFM	189	243	348	417
	Low	CFM	166	216	313	363
ESP		Pa	0	0	0	0
Capacity	Cooling	kW	2	2.5	3.6	4.2
	Heating	kW	2.7	3.2	4.6	5.4
Power system	Type	Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
	Input	W	50	50	60	66
Water system	Water flow volume	l/s	0.111	0.125	0.167	0.195
	Pressure drop	kPa	20	36	53	70
		Ft-WG	6.56	11.81	17.38	22.96
Sound pressure level		dB(A)	35	40	43	48
Connection pipe diameter	Water inlet & outlet	inch(mm)	φ1/2(12.7)	φ1/2(12.7)	φ1/2(12.7)	φ1/2(12.7)
	Condensed water drain	inch(mm)	φ5/8(15.6)	φ5/8(15.6)	φ5/8(15.6)	φ5/8(15.6)
Dimension (W×D×H)	Outline	mm	845X180X275	845X180X275	940X200X298	940X200X298
	Package	mm	915X255X355	915X255X355	1010X285X380	1010X285X380
Net weight/Gross weight		kg	11/14	11/14	13/17	13/17
Loading quantity	40'GP/40'HQ	set	765/850	765/850	595/671	595/671
Standard	Wireless remote controller	—	YB1FA(XFAN)	YB1FA(XFAN)	YB1FA(XFAN)	YB1FA(XFAN)
Optional	Wired remote controller	—	Z4E351B	Z4E351B	Z4E351B	Z4E351B

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

Air Curtain

The air curtain adopts cross flow blower to generate high speed air flow downward, that be installed upward side of the entrance door or window, to isolate the indoor air from the outdoor air and reduce the loss of indoor cool air, also prevent the insects and dust from entering the indoor environment.



- 
Washable filter
- 
Quiet function
- 
Compact design
- 
Easier maintainability

- Optimized cross-flow fan and good performance motor are adopted.
- Micro processor controlling with high reliability and long service life.
- Anti-corrosion thanks to two-side painted electro-galvanized metal case.
- High quality galvanized steel casing with double-sided plastic spray processing, high anti-corrosion.
- Good strength structure provides powerful airflow.
- Integrated electric components, easy maintenance.
- High performance cross flow fan blade with 3D-optimized streamlined.













Nominal test condition(temperature)		
Item	DB(°C)	WB(°C)
Cooling	27	19.5
Heating	21	-

Model		FM-1.25-9-K	FM-1.25-12-K
Power supply	V/Hz	220-230/50	220-230/50
Power input	W	110	140
Air flow volume	m ³ /h	1200	1650
Sound pressure level (H/L)	dB (A)	59	61
Dimension (W×D×H)	Outline	mm	900x215x193
	Package	mm	1015x270x256
Net weight /gross weight	kg	16/18	20/22
Loading quantity	40'GP	set	848
	40'HQ	set	954
Setting height	m	2.3~3	2.3~3
Standard	Wired remote controller	ZY611	ZY611

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

Control System Lineup

Control system		Product series	Cassette type	Floor ceiling type	Wall mounted type	Air curtain
Wireless remote controller	YB1FA		●	●	●	
	ZY611*1					●
Mechanical FCU controller	Z54352A1					
Digital thermostat	Luxury WK-010PA-K					
	WK-110PA0					
Long-distance monitoring software	Gree AC Eudemon 2009*2	FE30-00/A(M)		○	○	○
BMS accessories	Communication module (modbus)	ME30-17/E2(M)		○	○	○
		DQ34*3				
		ZJ0212			○	
Other modules	Optoelectronic isolated converter	RS232-RS422/485		○	○	○
	Optoelectronic isolated signal multiplier	RS-422/485			○	○

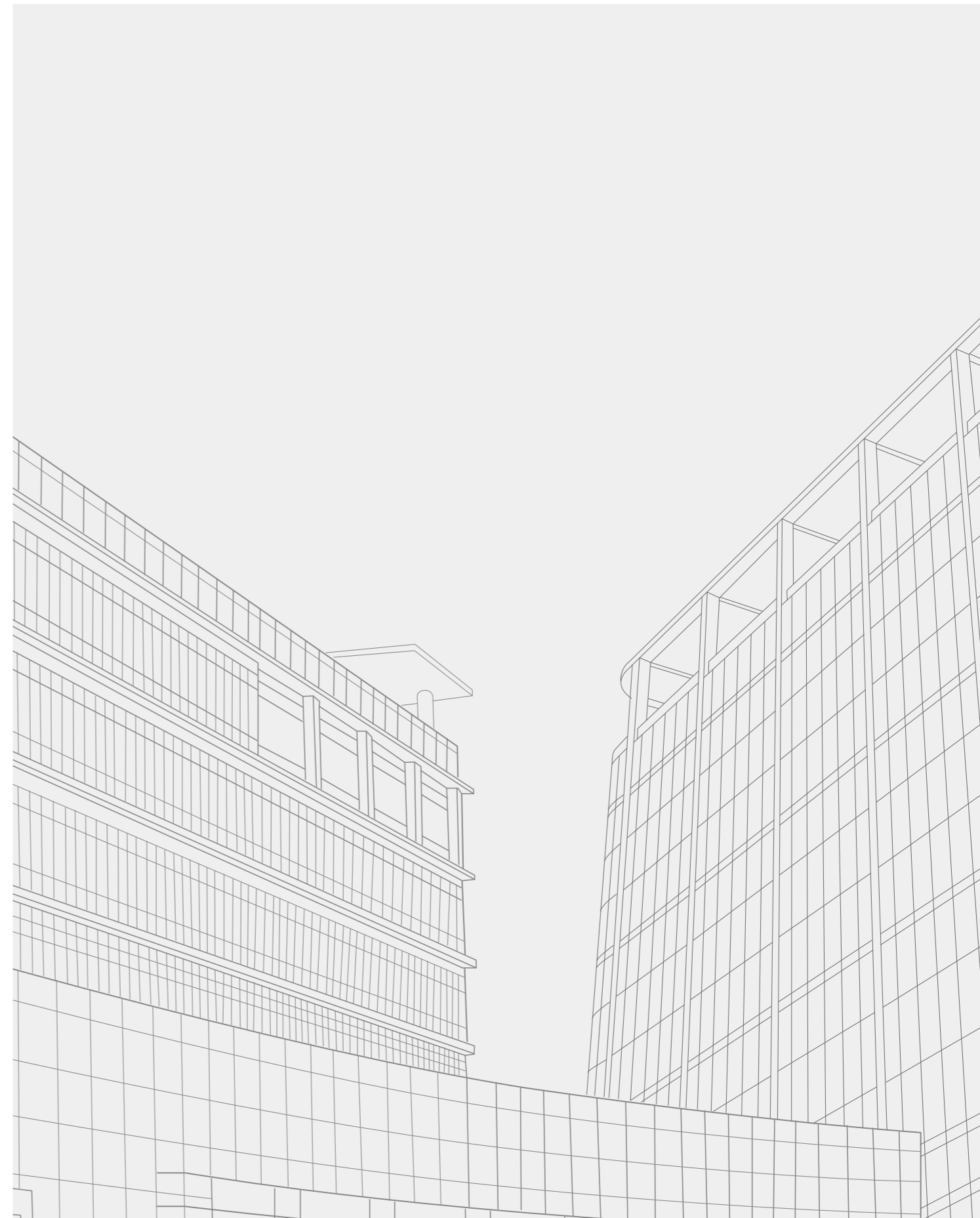
Note:

● means standard, ○ means optional.

*1 The pictures of unit and wireless remote controller please refer to the actual product.

*2 If long-distance monitoring software Gree Eudemon 2009 is selected, the communication module ME30-17/E2(M) shall be selected also. The selection shall refer to actual models.

*3 DQ34 including wired remote controller Z4E351B and Communication module ZJ0212, so if DQ34 is selected, the wired remote controller Z54352A1 is not necessary to select. ME30-17/E2(M) is not necessary also.



SPECIALIZED AC

Marine Air Conditioner
Close Control Air Conditioner
Elevator Air Conditioner





Marine Air Conditioner

It is a kind of sea water source AC that is widely used in yachts and boats.



Display Panel Z5A35

- Golden fin condenser
- Inner groove copper
- Washable filter
- Quiet function
- Self-diagnosis
- Memory function
- Compact design
- °C/°F Switch

- 360 degree air blowing.
- Outlay electric box for easy installation & maintenance.
- Low start-up current thanks to power delay control design.
- Forced operation available for emergency situation.
- LCD display of operation status.
- Highly anti-corrosion special spray processing on the complete unit.
- Nickel-Copper tube-in-tube heat exchanger for sea water side.
- All-copper fined tube heat exchanger for air side.
- Only one PCB for the entire control and minimize cable connections, with higher reliability and also easier maintenance.
- Universal for both 50Hz and 60Hz.



Model	Heat Pump		CYR16/NaC-T		CYR20/NaC-T		CYR24/NaC-T	
Capacity	Cooling	kW	4.60	4.60	5.80	5.10	7.50	6.40
		BTU/h	16000	16000	19800	17400	25600	21800
	Heating	kW	4.75	4.75	5.85	5.20	7.60	6.65
		BTU/h	16200	16200	20000	17400	25900	22700
EER/COP	W/W	3.68/3.80	4.38/3.96	3.51/3.44	3.27/3.15	4.17/3.62	4.41/3.80	
Power supply	V/Hz/Ph	230/60/1	220~240/50/1	230/60/1	220~240/50/1	230/60/1	220~240/50/1	
Power input	Cooling	kW	1.25	1.05	1.65	1.56	1.80	1.45
	Heating	kW	1.25	1.20	1.70	1.65	2.10	1.75
Input current	Cooling	A	5.6	5.7	7.4	6.5	8.0	6.8
	Heating	A	5.6	5.7	7.5	6.7	9.3	8.2
Sound pressure level	dB(A)	58	58	58	58	60	60	
Refrigerant charge volume	kg	0.70	0.70	0.85	0.85	0.95	0.95	
Air flow volume (H)	CFM	630	540	1050	900	1104	951	
	m³/h	360	305	618	530	650	560	
Dimension (W×D×H)	Outline	mm	619×343×330	619×343×330	595×529×386	595×529×386	595×529×386	595×529×386
	Package	mm	869×561×395	869×561×395	853×638×440	853×638×440	853×638×440	853×638×440
Net weight/Gross weight	kg	40.0/47.0	40.0/47.0	56.5/65.0	56.5/65.0	60.5/68.0	60.5/68.0	
Condenser pipe diameter	inch	22.2	22.2	25.4	25.4	25.4	25.4	
Loading quantity	40'GP	set	330	330	225	225	225	225
	40'HQ	set	330	330	270	270	270	270
Fan motor supply air outlet diameter	inch(mm)	4.7 (119.4)	4.7 (119.4)	4.7 (119.4)	4.7 (119.4)	4.7 (119.4)	4.7 (119.4)	

Model	Heat Pump		CYR5/NaC-T		CYR9/NaC-T		CYR12/NaC-T	
Capacity	Cooling	kW	1.65	1.40	2.60	2.35	3.50	3.20
		BTU/h	5600	4800	8900	8000	11900	11000
	Heating	kW	1.75	1.70	2.65	2.55	3.80	3.50
		BTU/h	6000	5800	9000	8700	13000	11900
EER/COP	W/W	3.06/3.24	2.69/3.40	3.10/3.15	2.97/3.23	3.18/3.45	3.30/3.37	
Power supply	V/Hz/Ph	230/60/1	220~240/50/1	230/60/1	220~240/50/1	230/60/1	220~240/50/1	
Power input	Cooling	kW	0.54	0.52	0.84	0.79	1.10	0.97
	Heating	kW	0.54	0.50	0.84	0.79	1.10	1.04
Input current	Cooling	A	2.40	2.90	3.7	4.2	4.6	5.1
	Heating	A	2.40	2.80	3.7	4.2	5.0	5.3
Sound pressure level	dB(A)	58	58	58	58	58	58	
Refrigerant charge volume	kg	0.35	0.35	0.34	0.34	0.55	0.55	
Air flow volume (H)	CFM	188	188	279	279	325	275	
	m³/h	320	320	474	474	552	468	
Dimension (W×D×H)	Outline	mm	418×285×297	418×285×297	408×380×310	408×380×310	549×320×330	549×320×330
	Package	mm	594×493×360	594×493×360	683×513×360	683×513×360	808×550.0×395.0	808×550×395
Net weight/Gross weight	kg	25.5/30	25.5/30	28.0/33.0	28.0/33.0	33.0/41.0	33.0/41.0	
Condenser pipe diameter	inch	22.2	22.2	22.2	22.2	22.2	22.2	
Loading quantity	40'GP	set	430	430	504	504	492	492
	40'HQ	set	516	516	588	588	492	492
Fan motor supply air outlet diameter	inch(mm)	3.6 (91.5)	3.6 (91.5)	3.6 (91.5)	3.6 (91.5)	4.7 (119.4)	4.7 (119.4)	



Close Control Air Conditioner*

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



Long-distance monitoring software (optional) FE30-00/A(M)



Energy saving function



Self-diagnosis



Modular structure



Easier maintainability



Compact design



Long-distance monitoring

Rapid and safe start-up.

Flexible installation Several air outlet directions to meet different installation requirements.

Modular design, up to 4 units could be freely integrated to get a max. capacity of 160kW.

Model	Normal	JKFD25C2/Na-M	JKFD25QS2/Na-M	JKFD25SX2/Na-M	JKFD40C2/Na-M	JKFD40QS2/Na-M	JKFD40SX2/Na-M		
Power supply		Ph/V/Hz	3/380/50			3/380/50			
Cooling capacity (total/sensible)	22°C/50%	kW	26.5/23.8			39.4/36.0			
	24°C/17°C	kW	27.0/24.3			40.0/36.1			
	24°C/45%	kW	26.8/24.0			39.2/37.5			
	26°C/50%	kW	27.6/24.5			42.5/38.0			
Rated input	Cooling/Heating	kW	11.2/13.8			16.5/21.0			
Rated current	Cooling/Heating	A	16.97/20.91			24.24/31.82			
Heating capacity		kW	12			18			
Humidifying	Rated capacity	kg/h	8			8			
	Power input	kW	6			6			
Range of temp. controlling and precision		°C	17~28°C±1°C			17~28°C±1°C			
Range of humidity and precision		%	40~60%±5%			40~60%±5%			
ESP		Pa	0	100	100	0	100		
Indoor units	Model	Normal	JKFD25C2/Na-M(I)	JKFD25QS2/Na-M(I)	JKFD25SX2/Na-M(I)	JKFD40C2/Na-M(I)	JKFD40QS2/Na-M(I)	JKFD40SX2/Na-M(I)	
	Air flow volume	m ³ /h	7800	7500	7500	13000	12500	12500	
	Sound pressure level	dB(A)	66	68	68	68	70	70	
	Dimension (W×D×H)	Outline	mm	1900×810×2250	1900×810×1950	1900×810×1950	2480×810×2250	2480×810×1950	2480×810×1950
		Package	mm	2000×910×2370	2000×910×2100	2000×910×2100	2580×910×2400	2580×910×2130	2580×910×2100
Net weight/gross weight	kg	585/600	570/585	535/550	725/755	660/690	660/690		
Outdoor units	Model	Normal	JKFD13/NaA-M(O)	JKFD13/NaA-M(O)	JKFD13/NaA-M(O)	JKFD19/NaA-M(O)	JKFD19/NaA-M(O)	JKFD19/NaA-M(O)	
	Quantity	Set	2			2			
	Air flow volume	m ³ /h	9800			11900			
	Sound pressure level	dB(A)	64			64			
	Dimension (W×D×H)	Outline	mm	1080×1180×960			1080×1180×1040		
Package		mm	1262×1133×634			1262×1133×634			
Net weight/gross weight	kg	100/115			100/115				
Connecting pipe	Liquid/Gas	mm	φ12/16			φ16/19			
	Method of connection		Flared-fitting Joint			Flared-fitting Joint			
Loading quantity	40'GP/40'HQ	set	0/7	7/7	7/7	0/6	6/6	6/6	

Notes:
 1. The cooling capacity was tested when the outdoor temperature was as follows: Dry-bulb temperature was 35°C; Wet-bulb temperature was 24°C.
 2. The noise value was tested in the semi-anechoic chamber but the actual value will be a little higher for the change of ambient temperature.
 3. The temperature range of running environment is between -35°C~48°C

Class	Item	Model Unit	JKFD5CR/Na-E	JKFD5QSR/Na-E	JKFD7CR/Na-M	JKFD7QSR/Na-M	
			Total Cooling Capacity / Sensible Cooling Capacity (22°C / 50%)	kW	5.3/4.8		6.8/5.8
Total Cooling Capacity / Sensible Cooling Capacity (24°C / 17°C)	kW	5.5/5.1		7.2/6.5			
Total Cooling Capacity / Sensible Cooling Capacity (24°C / 45%)	kW	5.4/4.9		7.0/6.3			
Total Cooling Capacity / Sensible Cooling Capacity (26°C / 50%)	kW	5.7/5.2		7.3/6.6			
Heating Capacity	kW	2.7		2.7			
Rated Humidifying Capacity	kg/h	2		4			
Air Flow Volume	m ³ /h	1900	1900	1950	1950		
External Static Pressure	Pa	0	15	0	15		
Acoustic Noise of Indoor Units	dB(A)	60	60	58	58		
Range of Temp. Controlling and Precision		17~28°C±1°C		17~28°C±1°C			
Range of Humidity and Precision		40~60%±5%		40~60%±5%			
Power Supply		220V ~ 50Hz		380V 3N ~ 50Hz			
Compressor	Type	Hermetic Scroll Type		Hermetic Scroll Type			
Evaporator	Type	Inner Screw Thread Pipe with Hydrophilic Film Aluminum Fin		Inner Screw Thread Pipe with Hydrophilic Film Aluminum Fin			
Condenser	Type	Inner Screw Thread Pipe with Hydrophilic Film Aluminum Fin		Inner Screw Thread Pipe with Hydrophilic Film Aluminum Fin			
Refrigerant		R410A		R410A			
Throttling Method		Electric Expansion Valve		Electric Expansion Valve			
Air Supply System	Indoor Units	Fan	Low Noise and Centrifugal External-rotor		Low Noise and Centrifugal External-rotor		
		Type of Drive	Direct Drive		Direct Drive		
		Air Filter	Plate Filter (G4)		Plate Filter (G4)		
Heating System	Heater	Type	Electric Heating		Electric Heating		
Humidifying System	Humidifier	Type	infrared		infrared		
		Mode of Control	Automatic Control by Mainboard		Automatic Control by Mainboard		
Evaporator	The Model of Indoor Units		JKFD5CR/Na-E(I)	JKFD5QSR/Na-E(I)	JKFD7CR/Na-M(I)	JKFD7QSR/Na-M(I)	
	Dimension	Width	mm	800	800	800	800
		Depth	mm	700	700	700	700
		Height	mm	2250	1950	2250	1950
Net Weight	kg	257	237	257	237		
Outdoor Units	The Model of Outdoor Units		JKFD5P/Na-E(O)		JKFD7P/Na-E(O)		
	Quantity	Set	1		1		
	Condensate Fan	Type	Low Noise Axial Type		Low Noise Axial Type		
		Type of Drive	Direct Drive		Direct Drive		
	Acoustic Noise of Outdoor Units	dB(A)	60		60		
Dimension	Width	mm	900		900		
	Depth	mm	412		412		
	Height	mm	1350		1350		
Net Weight	kg	71		71			
Connecting Pipe	Liquid Line of Refrigerants	mm×(unit)	φ9.52×1		φ9.52×1		
	Gas Pipe of Refrigerants	mm×(unit)	φ12×1		φ12×1		
	Method of Connection		Flared Joint		Flared Joint		

Remark:
 1. This unit is designed, manufactured and inspected according to National Standard GB/T 19413-2010.
 2. Tested ambient temperature of cooling capacity: indoor side dry bulb temp. 24°C, wet bulb temp. 17°C, outdoor side dry bulb temp. 35°C.
 3. Noise was measured according to relevant standard of half-anechoic room, so in actual operation, noise may increase as ambient temperature changes.
 4. Specific parameters shall be referred to unit nameplate and subject to change without prior notice.
 5. Ambient temperature range for operation: -35°C ~ 48°C.
 6. All the above models can realize modular operation.
 7. Any other special requirements, please contact us..

Class	Item	Unit	Model				
			JKFD15CR/Na-M	JKFD15QSR/Na-M	JKFD20CR/Na-M	JKFD20QSR/Na-M	
Characteristics of Units	Total Cooling Capacity / Sensible Cooling Capacity (22 C / 50%)	kW	14.8/13.5		19.0/18.0		
	Total Cooling Capacity / Sensible Cooling Capacity (24 C / 17 C)	kW	15.0/13.6		20.0/18.4		
	Total Cooling Capacity / Sensible Cooling Capacity (24 C / 45%)	kW	14.9/13.8		19.8/18.8		
	Total Cooling Capacity / Sensible Cooling Capacity (26 C / 50%)	kW	16.6/15.0		21.3/19.9		
	Heating Capacity	kW	7		10		
	Rated Humidifying Capacity	kg/h	4		4		
	Air Flow Volume	m ³ /h	5000	4800	6600	6000	
	External Static Pressure	Pa	0	75	0	75	
	Acoustic Noise of Indoor Units	dB(A)	64	66	67	66	
	Range of Temp. Controlling and Precision		17 ~ 28 C ±1 C		17 ~ 28 C ±1 C		
	Range of Humidity and Precision		40 ~ 60%±5%		40 ~ 60%±5%		
	Power Supply		380V 3N ~ 50Hz		380V 3N ~ 50Hz		
Cooling System	Compressor	Type	Hermetic Scroll Type		Hermetic Scroll Type		
	Evaporator	Type	Inner Screw Thread Pipe with Hydrophilic Film Aluminum Fin		Inner Screw Thread Pipe with Hydrophilic Film Aluminum Fin		
	Condenser	Type	Inner Screw Thread Pipe with Hydrophilic Film Aluminum Fin		Inner Screw Thread Pipe with Hydrophilic Film Aluminum Fin		
	Refrigerant		R410A		R410A		
Air Supply System	Throttling Method		Electric Expansion Valve		Electric Expansion Valve		
	Indoor Units	Fan	Low Noise and Centrifugal External-rotor		Low Noise and Centrifugal External-rotor		
		Air Filter	Type	Direct Drive		Direct Drive	
Heating System	Heater	Type	Electric Heating		Electric Heating		
Humidifying System	Humidifier	Type	infrared		infrared		
		Mode of Control	Automatic Control by Mainboard		Automatic Control by Mainboard		
Evaporator	The Model of Indoor Units		JKFD15CR/Na-M(I)	JKFD15QSR/Na-M(I)	JKFD20CR/Na-M(I)	JKFD20SR/Na-M(I)	
	Dimension	Width	mm	980	980	980	980
		Depth	mm	950	950	950	950
		Height	mm	2250	1950	2250	1950
Net Weight	kg	380	350	400	360		
Outdoor Units	The Model of Outdoor Units		JKFD15P/Na-M(O)		JKFD20P/Na-M(O)		
	Quantity	Set	1		1		
	Condensate Fan	Type	Low Noise Axial Type		Low Noise Axial Type		
		Type of Drive	Direct Drive		Direct Drive		
	Acoustic Noise of Outdoor Units	dB(A)	64		64		
	Dimension	Width	mm	1400		1400	
		Depth	mm	715		715	
Height		mm	1130		1130		
Net Weight	kg	136		136			
Connecting Pipe	Liquid Line of Refrigerants	mm×(unit)	Φ12×1		Φ16×1		
	Gas Pipe of Refrigerants	mm×(unit)	Φ16×1		Φ19×1		
	Method of Connection		Flared Joint		Flared Joint		

- Remark:
- This unit is designed, manufactured and inspected according to National Standard GB/T 19413-2010.
 - Tested ambient temperature of cooling capacity: indoor side dry bulb temp. 24 C , web bulb temp. 17 C , outdoor side dry bulb temp. 35 C .
 - Noise was measured according to relevant standard of half-anechoic room, so in actual operation, noise may increase as ambient temperature changes.
 - Specific parameters shall be referred to unit nameplate and subject to change without prior notice.
 - Ambient temperature range for operation: -35 C ~ 48 C
 - All the above models can realize modular operation.
 - Any other special requirements, please contact us..

Elevator Air Conditioner

Elevator air conditioner is specially designed for temperature control of elevators in hotel, office building and residential building. The unit is with beautiful appearance, compact structure, complete functions and reliable performance, which can satisfy different customers' requirements.



2~3 kW



YB1FA(XFAN)



Inner groove copper



Washable filter



Quality motor



High efficiency



Energy saving function



Fresh air supply ventilation



Low voltage startup



Wide voltage startup

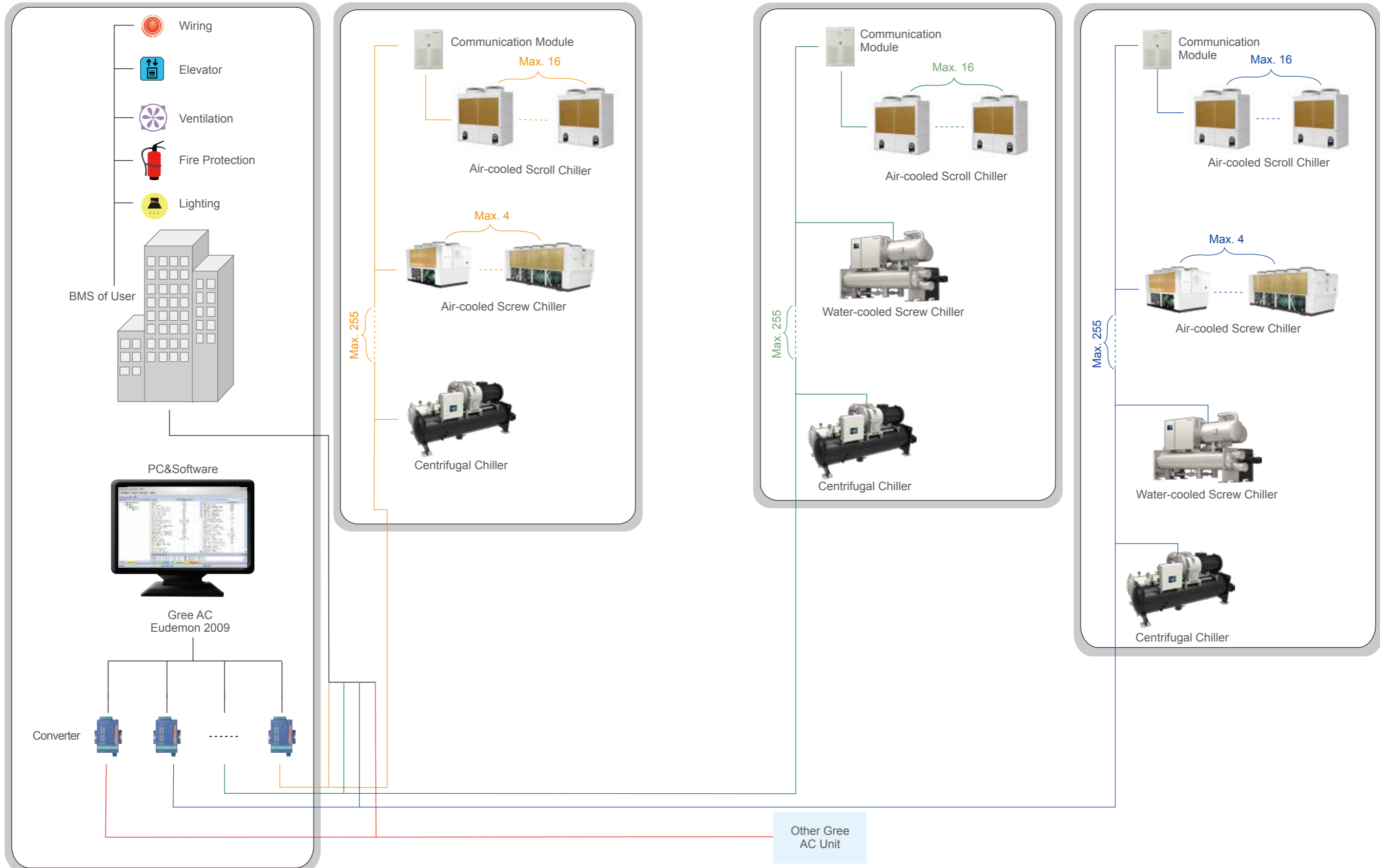
- Intelligent control according to the operation status of elevator.
- Compact structure.
- Innovative malfunction feedback function.
- Fresh air supply.
- Clock timer function.
- Dual-side noise-silencing hose to decrease noise efficiently.
- Outer signal wire adopts AMP terminal connection, convenient and reliable.

Cooling operation temperature range(DB°C)	
22~43	

Model			GDT25	GDT35
Capacity	Cooling	W	2000	3000
		BTU/h	6824	10236
EER/COP		W/W	2	2.5
Power supply		Ph/V/Hz	1/220/50	1/220/50
Power input	Cooling	kW	1	1.2
Input current	Cooling	A	4.6	5.7
Sound pressure level		dB (A)	55	55
Refrigerant charge volume		kg	0.55	0.85
Air flow volume (H/M/L)		m ³ /h	360	450
		CFM	212	265
Dimension (W×D×H)	Outline	mm	350×600×400	450×700×450
	Package	mm	483×783×495	572×890×542
Net weight/Gross weight		kg	46/52	59/66
Fan motor supply air outlet diameter		inch(mm)	7.244(184)	7.244(184)
Condenser pipe diameter		inch(mm)	0.276(7)	0.276(7)
Loading quantity	40'GP/40'HQ	set	276/345	208/208

Note: Elevator AC is not fit for selling to the regions under the requirement of any certifications or energy efficiency. Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

LONG-DISTANCE CONTROL SYSTEM



REFERENCE PROJECTS



CECMED National Drug Laboratory
Water-cooled Screw Chiller Hydronic Air Handling Unit Fan Coil Unit
Cuba



Bahcelievler Government Hospital
GMV
Turkey



B.N. Eltsin's Community Center
GMV
Russia



Trading Building
Air Cooled Screw Chiller
Oman



Conad Supermarket
GMV
Italy



Al-Bustan Hotel
GMV
Yemen



Bella Roma Hotel
GMV
Iraq



XCMG Brasil
GMV
Brazil

Reference Projects Lineup

Country	Project Name	Installed Series
Panama	Panama De Universidad Technology	GMV
Cuba	CECMED National Drug Laboratory	Water-cooled Screw Chiller; Hydronic Air Handling Unit; Fan Coil Unit
India	The Research & Development Headquarters of Biocon	Air-cooled Screw Chiller; Water-cooled Screw Chiller
Laos	State Power Corporation of Laos	GMV
Bahrain	IBN School	Rooftop Package Unit
Kuwait	Substation for Ministry of Electricity and Water	Rooftop Package Unit
Libya	Rail Station	Air-cooled Screw Chiller
Turkey	Adana Sabanci Mosque	GMV
Turkey	Bahcelievler Government Hospital	GMV
Turkey	Nursery House	GMV
Russia	Arbitration Tribunal	GMV
Russia	Design and Construction Department	GMV
Russia	Court of Law	GMV
Russia	Design and Research Institute	GMV
Russia	Office of Russian Federal Tax Service	GMV
Russia	B.N. Eltsin's Community Center of Uralskiy region	GMV
Russia	Transport and Logistics Centre	Duct Split Unit
Laos	Lao Telecom	Air-cooled Screw Chiller; Closed Control Air Conditioner
Laos	Agriculture Promotion Bank	GMV
Bahrain	Millennium Tower	Fan Coil Unit
Oman	Trading Building	Air-cooled Screw Chiller
Turkey	Tepe Home Project	GMV
Turkey	Adiyaman Patisserie	GMV
Turkey	Suluntepe Sport Complex	GMV
Russia	Green Park Commercial Center	GMV
Iraq	NawRoz City	Super Free Match
Iraq	Lebanese Village	DC Inverter GMV; U-Match; Super Free Match; Air-cooled Screw Chiller
Iraq	New Eskan Project	Super Free Match
Libya	Land Registration Department	GMV
Turkey	Istanbul Kabataş Residence	GMV
Russia	Greenwood	GMV
Italy	Conad Supermarket	GMV
Russia	Furniture Trading centre	GMV
Russia	Tools Shop	U-Match
Ghana	Atlantic Hotel	GMV
Bahrain	Swiss Bell Hotel	GMV
Qatar	Hilton Garden Inn	Fan Coil Unit
Yemen	Al-Bustan	GMV
Turkey	Antakya Neccar Hotel	GMV
Russia	Lighthouse Hotel	GMV
Brazil	XCMG Brasil	GMV
Qatar	DVAC Factory	Rooftop Package Unit; Duct Split Unit
Turkey	OASIS Factory	GMV
Russia	TTS Tooltechnic Systems AG & Co	GMV
Russia	Aircraft Plant	U-Match
Russia	All-Russian Sectoral Textile Complex	Duct Split Unit
India	Biocon R&D Building	Water-cooled Screw Chiller
Jordan	Medical Clinics Building	U-Match
Greece	Armonia Rehabilitation Medical Center	GMV
Croatia	Ex. Dairy Put Murvice	Free Match
Iraq	Phoenix Hotel	Rooftop Package Unit
Macao, China	Nitto Glass Weaving	Water-cooled Screw Chiller
Australia	SKF	Heat Recovery GMV

Award and Certification

