



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-1509-01



Distributor information



GREE

2016 RAC EU T1 R410a/R32



RAC
EU
T1 R410a/R32

The World's Biggest Public Companies

The List

Spreadsheet

Reprints

Logo Use



Filter list by: All industries ▾ All countries ▾ All states ▾ Search by company name

Bank	Company	Country	Sales	Profits	Assets	Market Value
#385	Gree Electric Appliances	China	\$21.2 B	\$2.1 B	\$26 B	\$21.6 B
#436	Midea Group Co.Ltd.	China	\$22.9 B	\$1.7 B	\$19.4 B	\$23.3 B
#625	Whirlpool	United States	\$19.9 B	\$65.0 M	\$20 B	\$15.7 B
#781	Qingdao Haier	China	\$14.4 B	\$81.0 M	\$12.1 B	\$13.7 B

Gree Products are sold widely in more than **200** countries and regions.



Ranked on the Fortune Magazine as one of the Top **100** Chinese listed companies for **12** consecutive years Ranked the world **No. 385** on FORBES Global **2000** in 2015

مكيف غازى
 مكيف الهواء
 에어컨
 空调 climatiseur
 acondicionador de aire
 ar condicionado
300,000,000 users

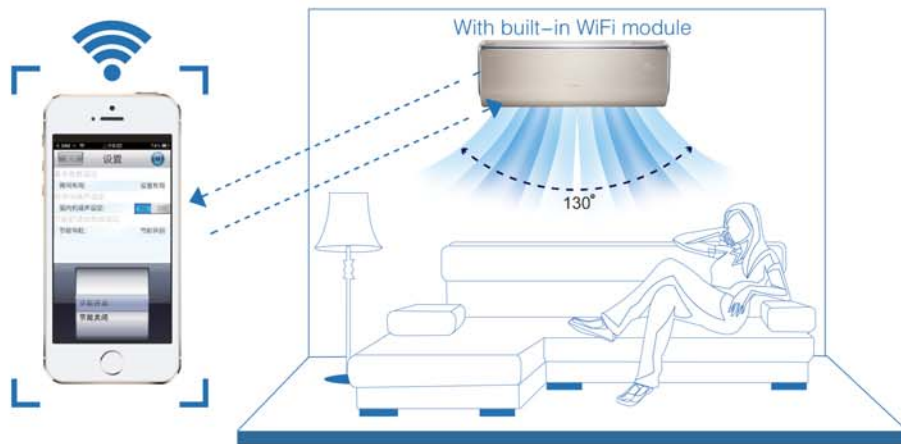
- 2 National Research centers,
- 6 Institutional departments
- Over **8000** R&D engineers,
- 52** Research centers,
- Over **570** testing laboratories
- Over **14,000** technical patents,
- which includes over **5,000** invention patents
- Over **5%** of annual turnover invested into R&D portion.

No. 1
air conditioner
manufacturer

ENJOY SMART AND COMFORTABLE LIFE

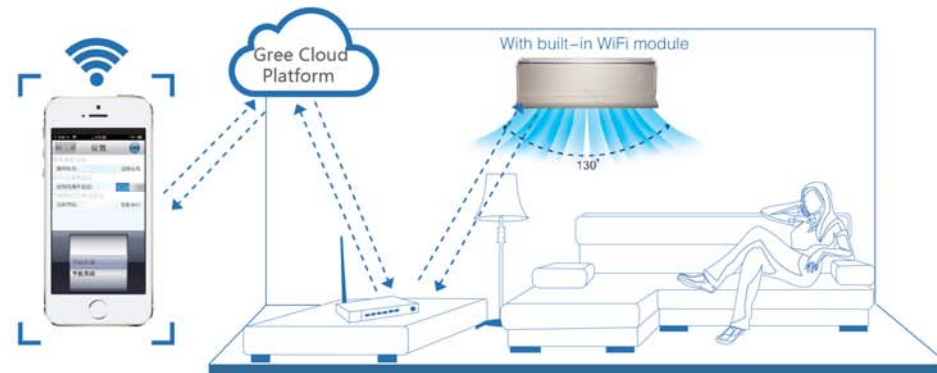
New Generation WiFi Control *

When installing Gree special APP "G-Life" on Smart Terminal, and setting short distance mode or long distance mode, you can remotely control the air conditioner.



Short distance mode:

Smart Terminal can connect to the air conditioner directly for remote control, no need wireless Router, which is applicable for home short distance control.



Long distance mode:

Users bind air conditioner, wireless Router and Gree Cloud Platform together. When the Smart Terminal is connected to internet, log on Gree Cloud Platform can remotely control the air conditioner at home, which is applicable for long distance control.

Special instruction:

1. When binding on any Smart Terminal is succeeded, user can log on Gree Cloud Platform directly to control the air conditioner through any Smart Terminal installed with "G-Life".
 2. In the home, user can select wireless Router as the WiFi for controlling the air conditioner.
- Remark: Smart Terminal indicates smart phone, tablet PC (only for iOS and Android operation system, please refer to the application software for the support version).



How to download the application software for Smart Terminal – "G-Life":

IOS and Android system can download "G-Life" by the following three methods.



Method 1: Turn on APP Store, search "G-Life" and then download it.

Method 2: Enter Gree Cloud Platform and then click "G-Life" to download it.

Method 3: Log in <http://www.gree.com.cn/>, click "service center—customer service—download center", and then find out "G-Life" to download it.

Method 4: Scan above two-dimension code and then download APP "G-Life".

You can set regional air swing, SAVE navigation, DIY sleep curve, weekly timer and other functions through APP "G-Life". The comfortable life is controlled by yourself freely.



Regional Air Swing

When setting "room layout" by smart phone, the built-in WiFi module inside the air conditioner will intelligently set the air swing region according to the customized movement region set by user, which can control the swing angle precisely for realizing the best P.W.V.



SAVE Navigation

The system intelligently analyse temperature and fan speed set by user, and it will automatically adjust frequency and fan speed. The system will enter SE mode under the premise that the comfort is guaranteed.



DIY Noise

Adjust the operation of air conditioner through setting the noise value. Just turn on "noise setting of indoor unit" mode and then you can select the noise value freely. The system will adjust the required value intelligently.



DIY Sleep Curve

It can satisfy the sleeping requirement from various users. Just touch the screen slightly and then you can DIY your sleep curve.



Weekly Timer

Set the weekly timer through mobile device. Air conditioner will be turned on or turned off automatically every day. From then on, you don't need to worry that you will forget to turn off the air conditioner.



"Turbo" Cooling



Press "Turbo" button on remote controller to enjoy a larger air flow, which enables the indoor temperature to reach the set temp in a shorter time.

4-way Air Outlet



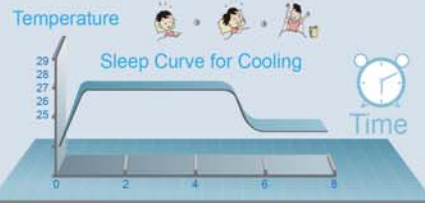
The louver can be vertically or horizontally adjusted so as to maximize comfort in the room.

7 Fan Speeds

From super low to turbo, choose desired air flow.



3 Sleep Curves



3 Sleep Curves

- Mode 1: Indoor temperature automatically rises (when cooling) or drops (when heating).
- Mode 2: Featuring unique refreshment function, the temperature is automatically adjusted to be a little lower before you wake up.
- Mode 3: You could design your own sleep curve under DIY mode.

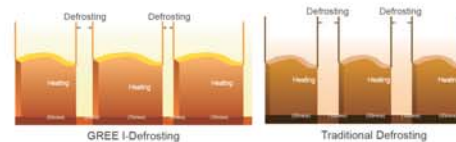


Low Noise



Noise lowers to 18dB, making you feel like staying on the Moon.

Intelligent Defrosting



Maximize warm comfort with shorter defrosting time. Traditional defrosting works by setting time. E.g. defrosting process is on for 10 mins for every 50mins. Gree I-Defrosting is only performed when needed, which reduces energy waste by eliminating the unnecessary defrosting process.

Functions for Low Ambient Temperature



8°C Heating

Maintain the room temperature steadily at 8°C and prevent the room from freezing by heating operation when nobody is at home for long in severe winter.

-15°C Cooling

Cooling at -15°C while keep a reliable operation. As the outdoor temperature changes, the frequency of compressor and the speed of fan adjusts accordingly.

-22°C Heating

Operate finely when heating at -20°C. It is supported by GREE's electrical heating chassis, preheating technology and frequency-adjusting compressor.

Cold Air Prevention

The copper pipe will be heated in advance, so the air will not be blown out before it reaches the set temperature.



- FAN**
Choose fan speed
- MODE**
Change operation mode: Auto, Cool, Dry, Fan, and Heat
- Decrease set temperature: hold the button for 2 seconds to decrease set temperature rapidly.
- +**
Raise set temperature: hold the button for 2 seconds to raise set temperature rapidly.
- TURBO**
For rapid cooling or heating
- [Swing Icon]**
Press this button to set horizontal swing angle
- [Swing Icon]**
Set vertical swing angle
- CLOCK**
Set present time or display timer
- TIMER OFF**
For turning off timer
- TEMP**
Show set indoor/outdoor temperature
- [Ventilation Icon]**
Start the ventilation system or generate cold plasma
- IFEEL**
Operation of the unit will be adjusted according to temperature sensed by remote to maximize your comfort.
- SLEEP**
Air conditioner will run according to the preset sleep temperature curve
- QUIET**
Choose auto quiet mode.
- LIGHT**
Turn on/off the light on the unit
- X-FAN**
Start/stop indoor fan which is used for drying the components

I Feel

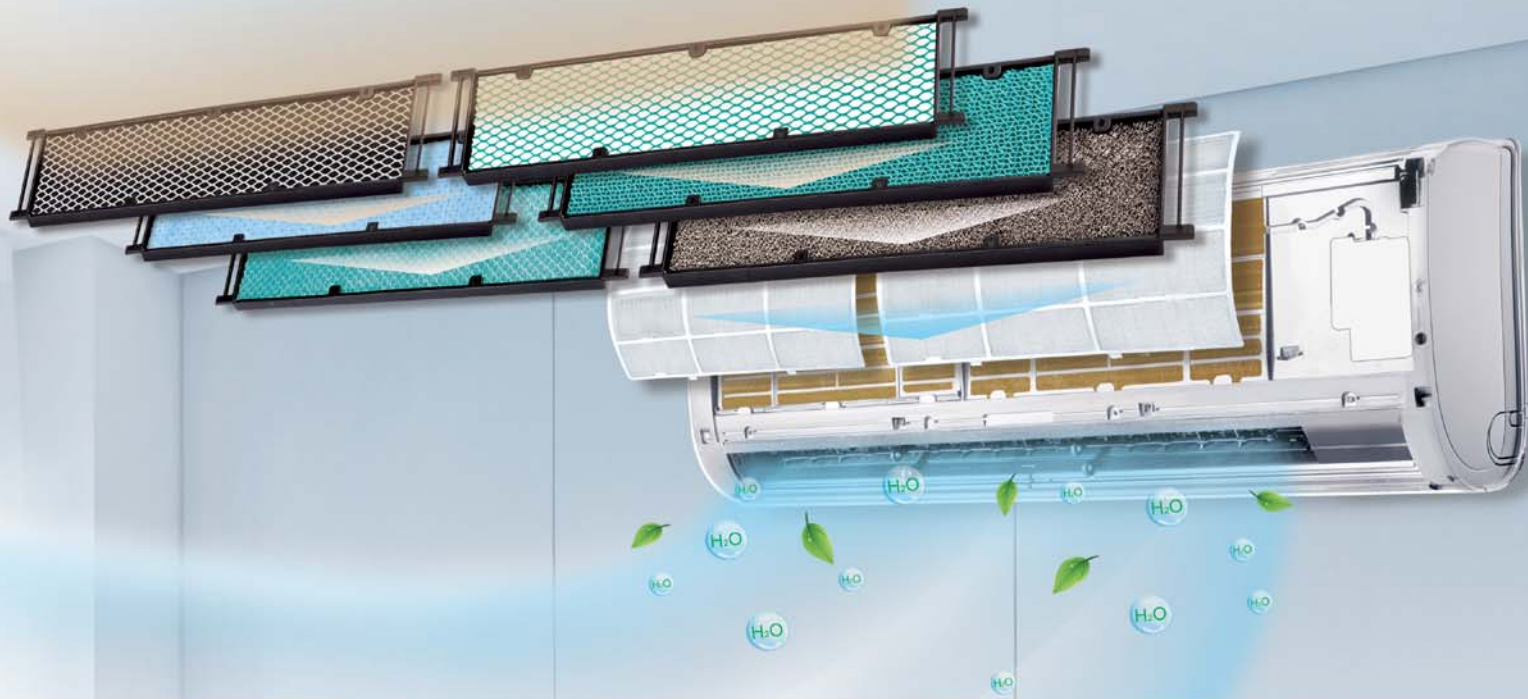
The mini sensor in the remote controller can sense its surrounding temperature, and transmit the signal back to the indoor unit. So the unit can adjust the air flow volume and temperature accordingly so as to provide maximum comfort.



Remote with I Feel



Remote without I Feel



Photocatalytic Filter

This filter is able to completely oxidize and degrade organic contaminants. It can effectively eliminate **99.9%** of bacteria, viruses and unpleasant smell.



Catechin Filter

Catechin is extracted from green tea. It can effectively eliminate **95%** of carcinogenic agents, such as staphylococcus, streptococcus, salmonella, etc.



Active Carbon Filter

Activated carbon can effectively adsorb smoke, pet odors, and other unpleasant odors.



Silver Ion Filter

Silver ion is able to sterilize **99%** of bacteria by suppressing proliferation of mold and bacteria and preventing the causes of unpleasant odors.



Multi-function Filter

Combine **3** filters from **6** different types including acarobacterium filter, silver ion filter, catechin filter, chitin filter, formaldehyde beater filter and vitamin C filter to meet your various needs simultaneously.

Auto Clean [X-FAN]

Cross fan continues blowing to dry inside of indoor unit after switching off the unit so as to keep clean and healthy.



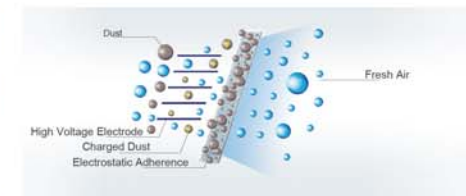
Cold Plasma

Effective sterilization with more than **90%** of bacteria killed
Odor removal
Air nutrition improvement with more negative oxygen ions



Electrostatic Dedusting Generator

By making use of the principle of electrostatic adherence, it can effectively absorb the dust from the air. With detachable design, it is easy for complete cleaning to ensure the quality air.



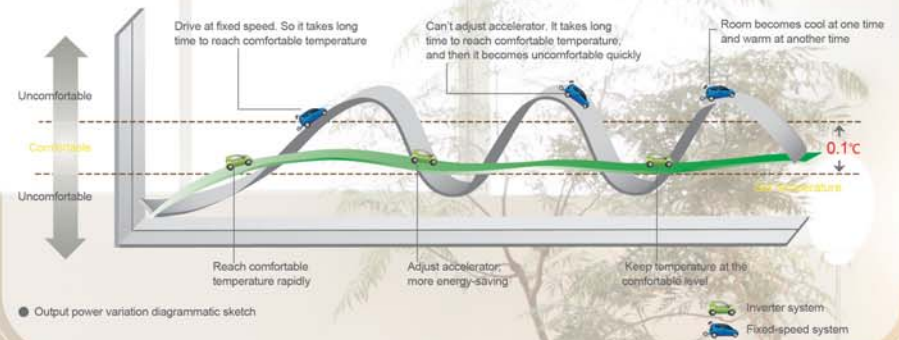
* Notes: Applicable to some selected models



R410A

INVERTER

How Inverter Saves Energy



G¹⁰ Inverter

- Ultra low frequency torque control**
 - Constant temperature
 - Energy saving
- High-speed DSP chip**
 - Accurate calculation
 - Efficient operation
- Wide frequency precise control**
 - Unceasing operation
 - Accurate control
- Power factor correction technology**
 - High efficiency
 - Better protection
- Environment-friendly R410A refrigerant**
 - Low-carbon design
 - High efficiency
- Ultra-low noise control**
 - Quiet
 - Comfortable
- Computer simulation control**
 - Less fluctuation
 - Lower noise
- Automatic voltage adaptation (150-260V)**
 - More stability
 - Less damage
- High reliability**
 - Excellent quality
 - Superior performance
- UHF flux-weakening control**
 - Rapid cooling
 - Rapid heating

Faster Cooling **Precise Temp Control** **50% Energy Saving** **Eco-friendly Refrigerant**

0.1°C

R410A

2-Stage compressor



Key Points for Reaching High Efficiency

Refrigeration System



High efficiency and stable running compressor



High efficiency and larger heat exchanger with optimized piping system



High-efficiency electronic expansion valve (EEV) controls refrigerant flow precisely

Air Flow System



Enlarged air intake and outlet



Optimized cross fan design with larger air volume and enhanced heat exchange efficiency



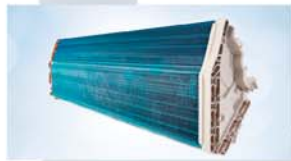
Optimized axial fan design with larger diameter to increase air volume and enhance heat exchange efficiency

Control System



Cutting-edge chip for precise inverter control





Integrated Evaporator

Compact design minimizes IDU size but enhances heat exchange greatly.



Integrated Design

Integrated rear base and water tray design avoid water leakage and reduce noise.



Dual Side Installation

Left or right side water outlet, easy for installation.



Auto Restart

When the power is off and then on, the unit automatically restores the previous function setting.



Fire-proof electric box

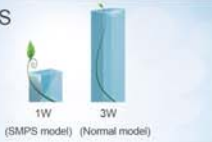
Electric box sealed by metal casing could prevent fire in case of short-circuit.



170V Low Voltage Start Up

The unit could operate from 170V to 265V, which is suitable for unstable power supply areas.

SMPS



Better PCB protection between 85V-265V.



Easy Handle

The ODU is equipped with a handle for easier transportation and protection of wiring terminal and valves.



Anti-corrosion ODU

Rust-free for installation and operation in the salty climate.



High efficient and Quiet Fan

Gree's transparent axial fan is resistant to high temperature and operates quietly.



Golden/Blue Fin

It can improve the heating efficiency by accelerating the defrosting process, and also be resistant to the salty air, rain and other corrosive elements.



Self-diagnosis

Once abnormal operation or parts failure happen, the unit will shut off automatically to protect the system. Meanwhile it will indicate protection or error code for fast service.



High Temp Resistance PCB

In the inverter outdoor unit, the PCB could work well even when temp is up to 85°C, and also metal casing is fire-proof.



Improved Base Pan Design

Condensing water will flow easily and not be frozen on the base pan. It also improves heating efficiency during low temp operation.

Characteristics of Possible Next-Generation Refrigerants (for Residential and Light Commercial Air Conditioners)

		Environmental Performance		Safety		Economic Performance	
		ODP	GWP*	Flammability	Toxicity	Equipment cost	Efficiency
Refrigerants currently used in developing countries	R22(HCFC)	0.055	1,810	★	★	★	★
Refrigerants currently used in industrialized countries	R410A(HFC)	0	2,090	★	★	★	★
Possible next-generation refrigerants	R1234yf(HFO)	0	4	◆	★	◆	※
	R32(HFC)	0	675	◆	★	★	★
	R744(CO2)	0	1	★	★	※	※
	R717(ammonia)	0	0	◆	※	※	★
	R290(propane)	0	3.3	※	★	★	★

GWP* is quoted from the Fourth Assessment Report of the IPCC
 Note: ※ indicates a condition not met. ◆ indicates a condition partially met. ★ indicates a condition met.
 ■ GWP of R32 Compared to Current Refrigerant (R410A) Approx. 1/3

R410A

R32

R290

R22

Products Overview

Series	Capacity(Btu/h)												Page			
	8500	9000	11000	12000	16000	18000	21000	22000	24000	28000	30000	36000	42000	48000	60000	
Wall-mounted Type																
U-Crown 		●		●		●										25
Hansol 		●		●		●			●							27
new Amber 		●		●		●			●							29
Viola 		●		●		●			●							31
Lomo 		●		●		●			●							33
Cozy 		●		●		●			●							35
Change 		●		●		●			●							37
Floor Standing																
Fresh wind 														●	●	39
I-Crown I 									●							41
new I-Crown II 									●							43
Portable Type																
	7000	8000	9000	10000	12000	14000										
new Shiny 	●	●	●		●											47
Koobe 	●	●														48
Cutee 			●													49
Laffis 				●	●											50
new Laffis A+ 				●												51
Window Type																
	7000	8000	9000	10000	12000	14000										
Coolani Series (R32) 			●		●											53

Series	Dehumidifying volume										Page				
	8	10	12	14	16	20	24	30	40						
Dehumidifier															
new Petal 		●	●								55				
new Daisy 						●			●		56				
Granduer 						●		●			57				
Fancy 	●	●	●		●						58				
Diamond 	●	●									59				
Sunny 		●	●		●	●	●	●			60				
Precise 						●	●				61				
Air purifier															
	200	220	240	260	300										
Air purifier 					●						62				
Aqua 		●	●	●							63				
Light Commercial															
	7000	9000	12000	14000	18000	24000	28000	30000	36000	42000	48000	53000	54000	60000	
Console 		●	●		●										64
Free Match 4&4+ 	●	●	●		●	●	●		●	●					65
Super Free Match 									●	●	●	●			71
U-match 					●	●		●	●		●			●	78

Function	Series	U-Crown	Hansol	Amber	Viola	Lomo	Cozy	Change
Automatic Operation		●	●	●	●	●	●	●
Cooling		●	●	●	●	●	●	●
Heating		●	●	●	●	●	●	●
Dehumidify		●	●	●	●	●	●	●
Fan		●	●	●	●	●	●	●
Wifi Function		●	●	●	●	●		
0.5W standby			●	●	●	●	●	●
1W standby								
Dred Function								
G10		●	●	●	●	●	●	●
1Hz Inverter		●						
Energy Saving		●	●	●	●	●	●	●
Sleep Mode		●	●	●	●	●	●	●
4 Sleep curves		●						
3 Sleep Curve			●					
3D Auto Swing (Vertical & Horizontal Auto Swing)		●	●	●		●		
Up&down swing		●	●	●	●	●	●	●
Left&right swing		●	●	●		●		
Fixed-angle swing		●	●	●	●	●	●	●
7 fan speeds		●	●					
4 fan speeds				●	●	●	●	●
Turbo cooling & heating		●	●	●	●	●	●	●
Quiet		●	●					
I Feel		●	●	●	●	●	●	●
Human-body induction				●				
Intelligent Preheating		●	●	●	●	●	●	●
Intelligent Defrosting		●	●	●	●	●	●	●
8 °C Heating Mode		●	●	●	●	●	●	●
Cold Plasma		●	●	●	●	●	●	●
High-Voltage Electrostatic Dedust			●					
PM 2.5 filter		●						
Dry Anti-Mildew Design		●	●	●	●	●	●	●
Catechin filter		●	●	●	●	●	●	●
Activated carbon		●	●	●	●	●	●	●

Features: ● Standard ● Optional

Function	Series	U-Crown	Hansol	Amber	Viola	Lomo	Cozy	Change
Biological sterilization electrostatic filter		●	●	●	●	●	●	●
Nanoscale photocatalyst deodorization filter		●	●	●	●	●	●	●
Cold catalyst		●	●	●	●	●	●	●
Photocatalyst		●	●	●	●	●	●	●
DL catalyst ozone filter		●	●	●	●	●	●	●
Electrostatic filter		●	●	●	●	●	●	●
Silver ion filter		●	●	●	●	●	●	●
Mite and bacteria filter		●	●	●	●	●	●	●
Tricolor filter (Vitamin C, etc)		●	●	●	●	●	●	●
Auto Clean		●	●	●	●	●	●	●
Timer		●	●	●	●	●	●	●
Random auto restart				●		●		
Soft Start		●	●	●	●	●	●	●
Self Diagnosis		●	●	●	●	●	●	●
Freon-lacking protection		●	●	●	●	●	●	●
Low and High voltage Protection		●	●	●	●	●	●	●
Compressor Electric Heater Function		●	●	●	●	●	●	●
Chassis Electric Heater Function		●	●	●	●	●	●	●
-15 °C low ambient cooling		●	●	●	●	●	●	●
-15 °C low ambient Heating			●	●	●	●	●	●
-20 °C low ambient Heating			●	●	●	●	●	●
-30 °C low ambient Heating		●	●	●				
2-Stage compressor		●	●	●				
Temperature		●	●	●	●	●	●	●
Auto Restart		●	●	●	●	●	●	●
Lock		●	●	●	●	●	●	●
LED		●	●	●	●	●	●	●
Mono&Multi Compatible		●	●	●	●	●	●	●
Wire controller optional			●	●				
Ultra-thin design		●						
Double sided drainage		●	●	●	●	●	●	●

Features: ● Standard ● Optional



G¹⁰ Inverter

- Timer
- Light Function
- R410A
- Auto Clean
- Lock
- LED Display
- LED Remote Control
- 3.5m Connecting Pipe
- Dehumidifying
- 130° Swing Angle Left-right
- 180° Swing Angle Up-down
- Intelligent Preheating
- 3D Airflow
- I Feel
- Auto Restart
- Quiet Design
- 7 Fan Speeds
- 4 Sleep curves
- 18°C Cooling
- 30°C Heating
- 54°C Cooling
- 8°C Heating
- Mono&Multi Compatible

Features: ● Standard ● Optional

Wide Ambient Operation Range

From -30°C to 54°C ultra low ambient heating with 2-stage compressor
Operation sketch map of 2-Stage compressor



Blue: Low-pressure suction
Purple: Medium-pressure inflation
Red: High-pressure discharge

Wifi-Control



Model	GWH09UB-K3DNA4F		GWH12UB-K3DNA4F		GWH18UC-K3DNA4F	
Function	Cooling/Heating		Cooling/Heating		Cooling/Heating	
Capacity	Cooling	Btu/h	9000(1300-13600)	12000(1300-15200)	18000(3071-19619)	
	Heating	Btu/h	10200(1900-18400)	12300(1900-18400)	18000(2559-24737)	
Pdesignh(A)/Pdesignh(W)/Pdesignh(C)	Btu/h		9200/9600/9200	10200/11000/10200	17742/18083/21154	
SEER/SCOP(A)/SCOP(W)/SCOP(C)	W/W		7.5/4.6/5.1/3.8	7.0/4.6/5.1/3.8	6.1/4.0/4.0/3.1	
Energy ClassCool/Heat(A)/Heat(W)/Heat(C)			A++/A++/A+++/A	A++/A++/A+++/A	A++/A+/A+/B	
Power Supply	Ph,V,Hz		1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	
Power Input	Cooling	W	600(95-1500)	920(95-1550)	1600(200-2050)	
	Heating	W	800(100-16300)	970(100-1680)	1420(200-2400)	
Rated Current	Cooling	A	6.5	6.8	9.1	
	Heating	A	6.8	7.1	10.6	
Airflow Volume	Indoor	m ³ /h(SH/H/MH/MML/L/SL)	650/530/470/400/350/300/290	720/550/490/420/370/320/290	850/750/650/600/500/400/340	
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/MH/MML/L/SL)	56/50/48/46/43/35/32	57/51/49/47/44/36/33	58/54/52/48/45/37/34	
Outline Dimension	WxHxD	mm	860*305*170	860*305*170	960*320*205	
Package Dimension	WxHxD	mm	935*388*295	935*388*295	1043*403*333	
Net Weight/Gross Weight	Indoor	kg	11.5/14	11.5/14	14/17	
Outdoor Unit						
Sound Power Level	Outdoor	dB(A)	62	62	63	
Piping Connection	Gas	mm	φ12	φ12	φ12	
	Liquid	mm	φ6	φ6	φ6	
Outline Dimension	WxHxD	mm	899*596*378	899*596*378	955*700*396	
Package Dimension	WxHxD	mm	948*645*420	948*645*420	1029*750*458	
Net Weight/Gross Weight	Outdoor	kg	44.5/47.5	44.5/47.5	51/55.5	
Loading Quantity	40'GP	sets	165	165	123	
	40'HQ	sets	191	191	141	

Hansol Series



7 Fan Speeds

Fresh air are provided for your maximum comfort.

Advanced Airflow Design

10m overlong airflow (for 9k & 12k)
Automatic horizontal airflow
Waterfall heating airflow

Extra inner louver

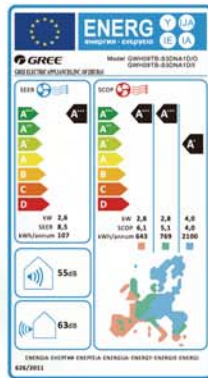


Extra inner louver works when Cooling



Extra inner louver is concealed when Heating

High Efficiency A+++



G¹⁰ Inverter
Optional

G10 G10 Technology	AUTO Automatic Operation	LED LED Display	Intelligent Defrosting	3D Airflow	24:00 Clock Display	8°C 8°C Heating	3 Sleep Curves	Cold Air Prevention	Quiet Design	Timer
Turbo Turbo Button	Self-diagnosis	Auto Restart	Lock	I Feel	Overlong Distance Air Flow	Auto Clean	Mono&Multi Compatible	Electrostatic Dedusting	Healthy Filters	Cold Plasma
-15°C -15°C Cooling	0.5W 0.5W Standby	Two-stage Compressor	Wifi Control	-30°C -30°C Heating	-22°C -22°C Heating	Wired Controller				

Features: ● Standard ● Optional



Model			GW-H09TA-S3DNA1D	GW-H09TB-S3DNA1D	GW-H12TB-S3DNA1D	GW-H18TC-S3DNA1D	GW-H24TD-S3DNA1D
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
	Capacity	Cooling(pdc)	Btu/h 8500(2000-10900)	8900(2050-10900)	12000(2000-13600)	18084(3412-21496)	24000(6483-30708)
Pdesignh(A)/Pdesignh(W)/Pdesignh(C)		Btu/h	9213/9213/13648	9600/9600/13600	12000/12001/17100	18420/18420/18420	24000/24000/24000
	SEERS(COAP)/SCOP(C)/SCOP(W)/SCOP(C)	W/W	7.6/4.7/5.6/3.7	8.5/5.1/6.1/4.0	8.0/4.7/5.6/3.7	6.4/4.0/5.1/3.2	6.2/4.0/4.6/2.9
Energy Class Cool/Heat(A)/Heat(W)/SCOP(C)			A+++/A+++/A+++/A	A+++/A+++/A+++/A+	A++/A++/A+++/A	A++/A++/A++/B	A++/A++/A++/B
Power Supply		Ph, V, Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50/60Hz	1Ph, 220-240V, 50/60Hz
Power Input		W	600(120-1300)	600(120-1300)	900(120-1400)	1514(300-2450)	1960(380-3200)
		W	800	650	1000	1450	1960
Rated Current		A	6.7	4.9	6.5	13.7	14.2
		A	7.7	7.1	8	14.0	14.2
Airflow Volume	Indoor	m ³ /h (SH/HH/M/L, S/L)	550/490/420/370/330/290/230	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
Indoor Unit							
Sound Power Level	Indoor	dB(A) (SH/HH/M/L, S/L)	56/50/46/44/42/40/38	55/48/46/44/42/40/38	55/48/46/44/42/40/38	60/56/54/52/50/48/46	65/62/58/56/54/52/49
Outline Dimension	WxHxD	mm	816X292X209	866X292X209	866X292X209	1018X316X230	1178x326x264
Package Dimension	WxHxD	mm	888X297X377	945X297X377	945X297X377	1097X340X397	1256 x414x364
Net Weight/Gross Weight	Indoor	kg	10.5/12.5	11.0/13	11.0/13	14/17	17/21
Outdoor Unit							
Sound Power Level	Outdoor	dB(A)	62	63	63	65	68
Piping Connection		Gas mm	φ9.52	φ9.52	φ12	φ16	φ16
		Liquid mm	φ6	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848X540X320	898X596X378	898X596X378	955X700X396	980 x790x427
Package Dimension	WxHxD	mm	881X595X363	948X645X420	948X645X420	1029X750X458	1083 x858x855
Net Weight/Gross Weight	Outdoor	kg	36/38.5	43/46	43/46	47.5/52	65/70
Loading Quantity		sets	188	166	166	119	84
		sets	218	186	186	135	104

For North Europe



Model			GW-H09TB-S3DNA3D*	GW-H12TB-S3DBA3E*	GW-H18TC-S3DBA3E*	GW-H24TD-S3DBA3E*	
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	
	Capacity	Cooling(pdc)	Btu/h 8900(2050-10900)	12000(3900-13600)	18000(3412-21496)	24000(6824-29343)	
Pdesignh(A)/Pdesignh(W)/Pdesignh(C)		Btu/h	10200(2050-13600)	12500(6800-18100)	18600(3412-23200)	24000(6483-30708)	
	SEERS(COAP)/SCOP(C)/SCOP(W)/SCOP(C)	W/W	9000/9600/13600	12000/12600/17400	18420/18424/18424	24000/24000/24000	
Energy Class Cool/Heat(A)/Heat(W)/SCOP(C)			8.5/5.1/6.1/4.0	7.8/4.6/5.6/3.2	6.5/4.4/6/3.3	6.2/4.0/4.6/3.3	
Power Supply		Ph, V, Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50/60Hz	1Ph, 220-240V, 50/60Hz	
Power Input		W	600(120-1100)	890(215-1300)	1510(300-2450)	2000(450-3200)	
		W	650(120-1600)	900(390-1900)	1485(300-2500)	1890(380-3700)	
Rated Current		A	4.9	6.0	12.83	16.4	
		A	7.1	8.5	12.88	16.4	
Airflow Volume	Indoor	m ³ /h (SH/HH/M/L, S/L)	650/600/550/500/450/400/350	740/670/610/530/460/410/380	950/870/790/710/630/560/480	1200/1130/1060/990/920/850/780	
Indoor Unit							
Sound Power Level	Indoor	dB(A) (SH/HH/M/L, S/L)	55/48/46/44/42/40/38	58/50/48/46/42/38/35	60/56/54/52/50/48	65/62/58/56/54/52/49	
Outline Dimension	WxHxD	mm	866X292X209	866X292X209	1018X316X230	1178x326x249	
Package Dimension	WxHxD	mm	945X297X377	945X297X377	1097X340X397	1256 x414x364	
Net Weight/Gross Weight	Indoor	kg	11/13	11/13	14/17	17/21	
Outdoor Unit							
Sound Power Level	Outdoor	dB(A)	63	62	65	68	
Piping Connection		Gas mm	φ9.52	φ12	φ12	φ16	
		Liquid mm	φ6	φ6	φ6	φ6	
Outline Dimension	WxHxD	mm	899X596X378	899X596X378	955X700X396	980 x790x427	
Package Dimension	WxHxD	mm	948X645X420	948X645X420	1029X750X458	1083x855x488	
Net Weight/Gross Weight	Outdoor	kg	43/46	45.5/48.5	51/55.5	65/70	
Loading Quantity		sets	166	166	119	84	
		sets	186	186	135	104	

Model with * is for different panel

Amber Series



Human-body induction

Air conditioner can detect the human position and movement area in the room to adjust the operation status, such as air supply direction, air volume, operation frequency of compressor and so on, for keeping the room temperature as even as possible. You can select human around air supply or human movement area air supply. What's more, this function can also be turned off according to your preference.

Wired controller

Wired controller is the optional part, which is an extra. If you need the wired controller, please ask the installation personnel to connect it when installing the air conditioner. However, the normal operation won't be affected if the wire controller is not connected.

Intelligent Auto Restart	Comfortable Sleep Curves	Cold Air Prevention	LED Display	Timer	Intelligent Defrosting	Auto Clean	Turbo Button	Self-diagnosis	Dehumidifying	Auto Restart
3D Airflow	Mono&Multi Compatible	Cold Plasma	I Feel	Energy Saving	8°C Heating	0.5W Standby	-30°C Heating	-15°C Cooling	Wifi Control	Healthy Filters
Two-stage Compressor										

Features: ● Standard ● Optional

Model			GWH09YB-K3DNA1B	GWH12YC-K3DNA1B	GWH18YD-K3DNA1B	GWH24YE-K3DNA1B
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8900(1500-11000)	12000(2050-13500)	17500(4300-22500)	22800(6800-28000)
	Heating	Btu/h	9500(1500-14000)	12500(2050-17500)	18000(3800-23200)	24800(6800-29000)
Pdesign(A)/Pdesignw/Pdesign(C)	Btu/h		8800/9500/13650	10200/13000/16400	13990/18080/21150	21800/24300/29700
SEER/SCOP(A)/SCOP(W)/SCOP(C)	W/W		6.1/4.0/4.6/2.8	6.1/4.0/5.1/3.2	6.1/4.0/5.1/3.1	6.1/4.0/5.1/2.8
Energy Class Cool/Heat(A)/Heat(W)/Heat(C)			A++/A+/A+++/B	A++/A+/A+++/B	A++/A+/A+++/B	A++/A+/A+++/C
Power Supply	Ph, V, Hz		1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Power Input	Cooling	W	805(200-1420)	1084(220-1550)	1580(380-2450)	1875(400-3700)
	Heating	W	755(200-1550)	989(220-1650)	1410(350-2600)	1945(450-3600)
Rated Current	Cooling	A	6.2	8.8	10.9	16.42
	Heating	A	6.8	7.2	10.9	16.86
Airflow Volume	Indoor	m ³ /h(S/H/M/L)	560/490/430/330	660/540/460/330	800/720/610/520	1150/1050/950/850
Indoor Unit						
Sound Power Level	Indoor	dB(A)(S/H/M/L)	40/37/33/27	43/40/34/28	46/42/39/36	48/45/42/39
Outline Dimension	WxHxD	mm	812x275x210	865x290x210	996x301x225	1101x249x327
Package Dimension	WxHxD	mm	875x360x280	931x379x281	1060x380x322	1167x405x354
Net Weight/Gross Weight	Indoor	kg	9/11	10/12	13.5/16.5	17/20.5
Outdoor Unit						
Sound Power Level	Outdoor	dB(A)	52	53	56	60
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	720x428x310	776x540x320	899x596x378	955x700x396
Package Dimension	WxHxD	mm	768x490x353	823x595x358	948x645x420	1029x750x458
Net Weight/Gross Weight	Outdoor	kg	28/30	29/31.5	45/49.5	53/57.5
Loading Quantity						
	40'GP	sets	275	212	156	114
	40'HQ	sets	308	245	180	131

Viola Series



Colorful Curve Design

A beautiful smile is attached on colorful panel, shining your life everyday.



Integrated Design

Rear case and water tray are combined for effectively preventing the dust and water leakage.



Features: ● Standard ● Optional



Model	GWH09RB-K3DNA3G		GWH12RB-K3DNA3G	GWH18RC-K3DNA3G	GWH24RD-K3DNA3G
Function	Cooling/Heating		Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8900(2050-4900)	12000(2000-13300)	18000(4290-22519)
	Heating	Btu/h	10200(2700-12300)	13600(3000-15000)	19790(3821-23202)
Pdesign(A)/Pdesign(W)/Pdesign(C)	Btu/h		9600/9600/13000	11000/10200/13600	15354/18083/21154
SEER/SCOP(A)/SCOP(W)/SCOP(C)	W/W		6.1/4.0/4.8/2.8	6.1/4.0/4.8/2.8	6.1/4.0/4.5/3.1
Energy Class Cool/Heat(A)/Heat(W)/Heat(C)	A++/A+/A++/C		A++/A+/A++/C	A++/A+/A++/C	A++/A+/A++/B
Power Supply	Ph, V, Hz		1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Power Input	Cooling	W	870(185-1300)	1170(185-1400)	1625(380-2650)
	Heating	W	900(220-1400)	1200(250-1550)	1760(350-2650)
Rated Current	Cooling	A	6	6.5	11.8
	Heating	A	6.5	7	11.8
Airflow Volume	Indoor	m ³ /h(SHHML)	600/500/400/300	800/500/400/300	850/780/650/550
Indoor Unit					
Sound Power Level	Indoor	dB(A)(SHHML)	54/50/45/40	54/51/46/42	58/53/50/45
Outline Dimension	WxHxD	mm	848×274×189	845×275×180	945×298×211
Package Dimension	WxHxD	mm	926×371×267	926×371×267	1013×383×300
Net Weight/Gross Weight	Indoor	kg	9/14	9/14	12/15
Outdoor Unit					
Sound Power Level	Outdoor	dB(A)	63	63	63
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12
	Liquid	mm	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776×540×320	776×540×320	955×700×396
Package Dimension	WxHxD	mm	851×595×363	881×595×363	1029×750×458
Net Weight/Gross Weight	Outdoor	kg	28/31	29/32	45/49.5
Loading Quantity	40'GP	sets	216	211	127
	40'HQ	sets	246	246	149



For North Europe

Model	GWH09RB-K3DBA3E		GWH12RB-K3DBA3E	GWH24RD-K3DBA3E
Function	Cooling/Heating		Cooling/Heating	Cooling/Heating
Capacity	Cooling(pdc)	Btu/h	8900(2700-11000)	12000(3100-13000)
	Heating	Btu/h	9400(3100-11600)	12500(3100-14400)
Pdesign(A)/Pdesign(W)/Pdesign(C)	Btu/h		9200/10200/13000	12000/12600/16400
SEER/SCOP(A)/SCOP(W)/SCOP(C)	W/W		6.60/4.00/4.8/2.6	6.60/4.00/4.8/2.6
Energy Class Cool/Heat(A)/Heat(W)/SCOP(C)	A++/A+/A++/D		A++/A+/A++/D	A+/A+/A++/D
Power Supply	Ph, V, Hz		1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Power Input	Cooling	W	640(100-1300)	980(100-1450)
	Heating	W	650(150-1700)	920(150-1700)
Rated Current	Cooling	A	5.7	6.3
	Heating	A	7.4	7.4
Airflow Volume	Indoor	m ³ /h(SHHML)	600/500/400/300	600/500/400/300
Indoor Unit				
Sound Power Level	Indoor	dB(A)(SHHML)	41/34/30/23	42/35/31/26
Outline Dimension	WxHxD	mm	848×274×189	848×274×189
Package Dimension	WxHxD	mm	926×371×267	926×371×267
Net Weight/Gross Weight	Indoor	kg	10/12	10/12
Outdoor Unit				
Sound Power Level	Outdoor	dB(A)	49	50
Piping Connection	Gas	mm	φ6	φ6
	Liquid	mm	φ9.52	φ9.52
Outline Dimension	WxHxD	mm	848×540×320	890×596×378
Package Dimension	WxHxD	mm	881×595×363	948×645×420
Net Weight/Gross Weight	Outdoor	kg	36/38.5	43/46
Loading Quantity	40'GP	sets	211	174
	40'HQ	sets	246	198

Lomo Series



0.5w Standby

Innovative switcher power design ensures only 0.5w standby and wider voltage of PCB between 85v-265v.



Intelligent Auto Restart

Upon power is resumed after power failure, the units in the whole building will not be restarted at the same time to avoid impact of electricity net (suitable for engineering project).



Model			GWH09QB-K3DNA1G	GWH12QC-K3DNA1G	GWH18QD-K3DNA1G	GWH24QE-K3DNA1G
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000(1500~11000)	12000(2000~13500)	17500(4299~22519)	22900(6824~27978)
	Heating	Btu/h	9600(1500~14000)	12500(2000~17500)	18000(3821~23202)	24800(6824~29002)
Pdesignh(A)/Pdesignh(W)/Pdesignh(C)	Btu/h		9000/9600/9000	10200/13000/10200	14000/18100/21200	21800/24200/21800
SEER/SCOP(A)/SCOP(W)/SCOP(C)	W/W		6.1/4.0/5.1/3.2	6.1/4.0/5.1/3.2	6.1/4.0/5.4/3.1	6.3/4.0/5.1/2.8
Energy Class Cool/Heat(A)/Heat(W)/Heat(C)			A++/A+/A+++/B	A++/A+/A+++/B	A++/A+/A+++/B	A++/A+/A+++/C
Power Supply	Ph, V, Hz		1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Power Input	Cooling	W	805(200~1420)	1084(220~1550)	1580(380~2450)	1875(400~3700)
	Heating	W	755(200~1550)	989(220~1550)	1410(350~2600)	1945(450~3800)
Rated Current	Cooling	A	6.3	6.9	10.9	16.42
	Heating	A	6.9	7.3	11.5	16.86
Airflow Volume	Indoor	m ³ /h	560/490/430/330	660/540/460/330	800/720/610/520	1150/1050/950/850
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SHHML)	55/52/44/38	57/53/45/42	58/54/51/48	64/59/56/53
Outline Dimension	WxHxD	mm	790*275*200	845*289*209	970*300*224	1078*325*248
Package Dimension	WxHxD	mm	886*367*271	921*379*281	1041*383*320	1148*413*350
Net Weight/Gross Weight	Indoor	kg	9/11	10/12	13.5/16.5	17/20.5
Outdoor Unit						
Sound Power Level	Outdoor	dB(A)	61	62	63	68
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776*540*320	776*540*320	955*700*396	955*700*396
Package Dimension	WxHxD	mm	851*595*363	851*595*363	1029*750*458	1029*750*458
Net Weight/Gross Weight	Outdoor	kg	28/31	29/32	45/49.5	53/57.5
Loading Quantity	40'GP	sets	223	210	127	118
	40'HQ	sets	256	244	146	131

- Intelligent Auto Restart
- Comfortable Sleep Curves
- Cold Air Prevention
- LED Display
- Timer
- Intelligent Defrosting
- Auto Clean
- 'Turbo' Button
- Self-diagnosis
- Dehumidifying
- Auto Restart
- 3D Airflow
- Mon&Multi Compatible
- Cold Plasma
- I Feel
- Energy Saving
- 8°C Heating
- 0.5 W Standby
- 22°C Heating
- 15°C Cooling
- Wifi Control
- Healthy Filters

Features: ● Standard ● Optional

Cozy Series



Compact Design

A sleek shape fits in your different indoor decorations.

Comfortable energy-saving Mode

10m overlong airflow (for 9k & 12k)
Automatic horizontal airflow
Waterfall heating airflow

Model			GW10MB-K3DNA3G	GW12MB-K3DNA3G	GW18MC-K3DNA3G	GW24MD-K3DNA3G
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000(2050-10200)	12000(2000-13300)	18000(4299-22519)	22000(8632-23202)
	Heating	Btu/h	10200(2700-12300)	13600(3000-15000)	19800(3821-23200)	24000(8632-25931)
Pdesignh(A)/Pdesignh(W)/Pdesignh(C)	Btu/h		9600/9600/13000	11000/10200/13600	52544/61757/21154	19800/20500/24500
SEER/SCOP(A)SCOP(W)/SCOP(C)	W/W		6.1/4.0/4.8/2.8	6.1/4.0/4.8/2.8	A++/A+/A+/B	6.1/4.0/4.8/3.1
Energy Class Cool/Heat(A)Heat(W)Heat(C)			A++/A+/A++/C	A++/A+/A++/C	A++/A+/B	A++/A+/A++/B
Power Supply	Ph, V, Hz		1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Power Input	Cooling	W	870(185-1300)	1700(185-1400)	1625(380-2650)	2180(600-2650)
	Heating	W	900(220-1400)	1200(250-1550)	1760(350-2650)	2220(600-2800)
Rated Current	Cooling	A	6	6.5	11.8	11.7
	Heating	A	6.5	7	11.8	12.4
Airflow Volume	Indoor	m³/h(SHHML)	600/500/400/300	600/500/400/300	850/780/650/550	1000/800/700/550
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SHHML)	54/50/45/40	54/51/46/42	58/53/50/45	63/57/52/49
Outline Dimension	WxHxD	mm	845*275*180	845*275*180	940*298*200	1008*315*232
Package Dimension	WxHxD	mm	918*370*258	918*370*258	1013*383*300	1076*398*328
Net Weight/Gross Weight	Indoor	kg	9/11	9/11	12/15	15/18.5
Outdoor Unit						
Sound Power Level	Outdoor	dB(A)	63	63	63	68
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776*540*320	776*540*320	955*700*396	980*427*790
Package Dimension	WxHxD	mm	851*595*363	851*595*363	1029*458*750	1083*488*855
Net Weight/Gross Weight	Outdoor	kg	28/31	29/32	45/49.5	55/60
Loading Quantity	40'GP	sets	215	215	127	91
	40'HQ	sets	244	244	149	113



Auto Restart	Energy Saving	LED Display	Intelligent Defrosting	8°C Heating	Sleep Mode	Cold Air Prevention	Timer	Turbo Button	Self-diagnosis	Auto Clean
Mono&Multi Compatible	Healthy Filters	Cold Plasma	I Feel	0.3W Standby	-22°C Heating	-15°C Cooling				

Features: ● Standard ● Optional

Change Series



G10 Inverter Technology

- 50% energy saving
- 16Hz low frequency operation

LED Display Design

The LED display attached on the front case gives a unique impression.

G¹⁰ Inverter

Energy Saving	LED Display	Intelligent Defrosting	Sleep Mode	Turbo Button	Cold Air Prevention	Self-diagnosis	Auto Clean	Timer	Auto Restart	Dehumidifying
Mono&Multi Compatible	Healthy Filters	Cold Plasma	I Feel	0.5W Standby	-22°C Heating	-15°C Cooling				

Features: ● Standard ● Optional



Model			GWH09KF-K3DN46G	GWH09KF-K3DN46G	GWH18KG-K3DN46G	GWH24KG-K3DN46G
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000(1500-11000)	12000(2000-13500)	18000(4094-21154)	22000(8632-22349)
	Heating	Btu/h	9600(1500-14000)	13000(2000-17500)	19000(3753-20472)	23900(8632-25931)
Pdesignh(A)/Pdesignh(W)/Pdesignh(C)	Btu/h		9000/9000/9000	9200/11000/9200	16377/11742/16377	19800/24600/19800
SEER/SCOP(A)/SCOP(W)/SCOP(C)	W/W		5.6/4.0/4.6/3.2	5.6/4.0/4.6/3.2	5.6/4.0/4.6/3.1	5.6/4.0/4.6/3.1
Energy Class Cool/Heat(A)/Heat(W)/Heat(C)			A+/A+/A+/B	A+/A+/A+/B	A+/A+/A+/B	A+/A+/A+/B
Power Supply	Ph, V, Hz		1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Power Input	Cooling	W	870(200-1420)	1150(220-1550)	1675(380-2650)	2180(600-2650)
	Heating	W	900(200-1550)	1100(220-1650)	1750(350-2650)	2220(600-2800)
Rated Current	Cooling	A	6.3	6.9	11.8	10.5
	Heating	A	6.9	7.3	11.8	12.5
Airflow Volume	Indoor	m ³ /h(S/H/M/L)	600/520/370/280	680/560/410/300	800/680/580/460	1000/800/700/550
Indoor Unit						
Sound Power Level	Indoor	dB(A)(S/H/M/L)	55/52/44/38	56/53/45/39	60/55/51/44	63/57/53/46
Outline Dimension	WxHxD	mm	770*283*201	770*283*201	865*305*215	1009*319*221
Package Dimension	WxHxD	mm	847*281*345	847*345*276	948*383*310	1076*398*328
Net Weight/Gross Weight	Indoor	kg	8/9.5	9/10.5	12/15	14/17.5
Outdoor Unit						
Sound Power Level	Outdoor	dB(A)	62	63	65	68
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776*540*320	776*540*320	955*700*396	980*790*427
Package Dimension	WxHxD	mm	851*595*363	851*595*363	1029*750*458	1083*855*488
Net Weight/Gross Weight	Outdoor	kg	28/31	29/32	46/50.5	55.5/60.5
Loading Quantity	40'GP	sets	228	228	131	91
	40'HQ	sets	258	258	149	113

Fresh Wind Series



5 Environmental Modes

The unit is able to automatically adjust the operation status according to different environmental modes.

"Turbo" Cooling & Heating

Large air flow
Rapid cooling & heating



Features: ● Standard ● Optional

ON/OFF

Model			GV48AD-M3NNA9C	GV60AH-M3NNA5A
Function			Cooling/Heating	
Capacity	Cooling	Btu/h	41100	53000
	Heating	Btu/h	47800	64800
EER/COP		W/W	2.41/2.81	
Power Supply		Ph, V, Hz	3Ph, 380-415V, 50Hz	
Power Input	Cooling	W	4980	6190
	Heating	W	4980	6530
Rated Current	Cooling	A	13	16.5
	Heating	A	13	15.2
Airflow Volume	Indoor	m ³ /s(SH+HL)	1800/1500/1200/1000	2000/1700/1400/1100
Indoor Unit				
Sound Power Level	Indoor	dB(A)(SH+HL)	64/62/60/58	64/62/60/57
Outline Dimension	WxHxD	mm	581x1870x395	581x1870x395
Package Dimension	WxHxD	mm	738x2113x515	738x2083x545
Net Weight/Gross Weight	Indoor	kg	62/88	63/89
Outdoor Unit				
Sound Power Level	Outdoor	dB(A)	69	73
Piping Connection	Gas	mm	φ19	φ19
	Liquid	mm	φ12	φ12
Outline Dimension	WxHxD	mm	1018x840x412	1032x1250x412
Package Dimension	WxHxD	mm	1103x1010x453	1113x1400x453
Net Weight/Gross Weight	Outdoor	kg	74/84	117/128
Loading Quantity	40'GP	sets	41	34
	40'HQ	sets	49	40



Model			GV48AH-M3DNASA
Function			Cooling/Heating
Capacity	Cooling	Btu/h	40900(10236~44356)
	Heating	Btu/h	46400(11601~47768)
EER/COP		W/W	3.00/3.24
Power Supply		Ph, V, Hz	3Ph, 380-415V, 50/60Hz
Power Input	Cooling	W	4000(660~5400)
	Heating	W	4200(700~4400)
Rated Current	Cooling	A	9.5
	Heating	A	9.0
Airflow Volume	Indoor	m ³ /s(SH+HL)	1850/1800/1700/1530
Indoor Unit			
Sound Power Level	Indoor	dB(A)(SH+HL)	63/61/58/56
Outline Dimension	WxHxD	mm	581x1870x395
Package Dimension	WxHxD	mm	738x2083x545
Net Weight/Gross Weight	Indoor	kg	58/84
Outdoor Unit			
Sound Power Level	Outdoor	dB(A)	70
Piping Connection	Gas	mm	φ16
	Liquid	mm	φ9.52
Outline Dimension	WxHxD	mm	1018x412x1250
Package Dimension	WxHxD	mm	1113x453x1400
Net Weight/Gross Weight	Outdoor	kg	94/105
Loading Quantity	40'GP	sets	34
	40'HQ	sets	40

I-Crown I



Wide Ambient Operation Range

From -30°C to 54°C Ultra low ambient heating with 2-stage compressor.
Operation sketch map of 2-Stage compressor.

Blue:
Low-pressure suction
Purple:
Medium-pressure inflation
Red:
High-pressure discharge



Three-dimensional Fan Blow

110cm vertical air outlet with big circulating air volume and wide air outlet angle.
Provide more comfortable cooling and heating enjoyment.



Humanized Cold Air Prevention



5 kinds of Fan Speed

Designed with 5 kinds of fan mode



Low Noise

Noise as low as 26dB(A)



Model				GVH24AK-S3DTC5A	
Function				Cooling/Heating	
Capacity	Cooling	Btu/h	24600		
	Heating	Btu/h	32400		
EER/COP		W/W	3.41/3.06		
Power Supply		Ph, V, Hz	1Ph, 220-240V, 50/60Hz		
Power Input	Cooling	W	2110		
	Heating	W	3100		
Rated Current	Cooling	A	14.2		
	Heating	A	17.5		
Airflow Volume	Indoor	m ³ /h	1200		
Indoor Unit					
Sound Pressure Level	Indoor	dB(A)(SH+M/L)	46/43/36/33		
Outline Dimension	WxHxD	mm	509*1796*476		
Package Dimension	WxHxD	mm	1973*573*615		
Net Weight/Gross Weight	Indoor	kg	52/70		
Outdoor Unit					
Sound Pressure Level	Outdoor	dB(A)	57		
Piping Connection	Gas	mm	φ16		
	Liquid	mm	φ6		
Outline Dimension	WxHxD	mm	955*700*396		
Package Dimension	WxHxD	mm	1083*855*488		
Net Weight/Gross Weight	Outdoor	kg	63/68		
Loading Quantity					
	40°GP	sets	45		
	40°HQ	sets	56		

This Model is under development.
The parameters refer to the nameplate

I-Crown II



Wide Ambient Operation Range

From -30°C to 54°C Ultra low ambient heating with 2-stage compressor.
Operation sketch map of 2-Stage compressor.

Blue:
Low-pressure suction
Purple:
Medium-pressure inflation
Red:
High-pressure discharge



Three-dimensional Fan Blow

110cm vertical air outlet with big circulating air volume and wide air outlet angle.
Provide more comfortable cooling and heating enjoyment.



Humanized Cold Air Prevention



5 kinds of Fan Speed

Designed with 5 kinds of fan mode



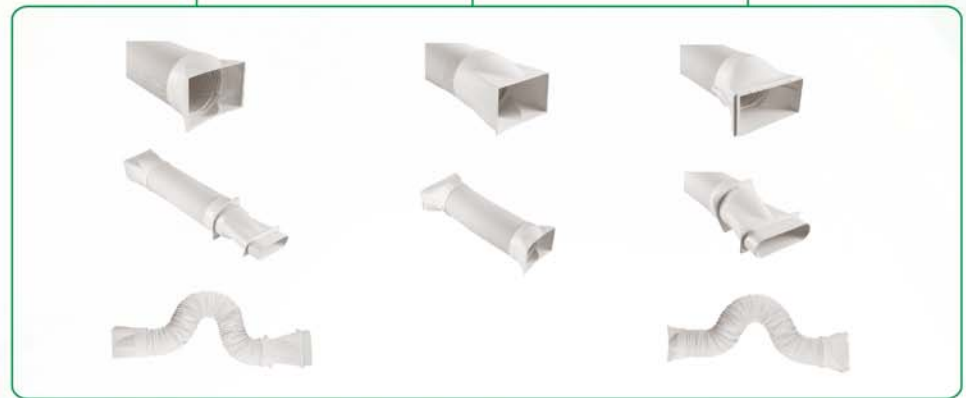
Low Noise

Noise as low as 26dB(A)



Model	GVH24AK-K3DND5A		
Function	Cooling/Heating		
Capacity	Cooling	Btu/h	24000(7300~30000)
		W	7030(2150~8800)
	Heating	Btu/h	32400(5800~34800)
		W	9500(1700~10200)
		Pdesignh(A)/Pdesignh(W)/Pdesignh(C)	Btu/h
		W	6000/6500/7200
SEER/SCOP(A)/SCOP(W)/SCOP(C)	WW		8.5/4.0/4.6/3.3
Energy Class Cool/Heat(A)/Heat(W)/Heat(C)			A++/A+/A++/B
Power Supply		Ph, V, Hz	1Ph, 220-240V, 50Hz
Power Input	Cooling	W	2100(440~3200)
	Heating	W	3100(380~3900)
Rated Current	Cooling	A	14.2
	Heating	A	14.2
Airflow Volume	Indoor	m³/h(SH/H/M/L/SL)	320/290/260
Indoor Unit			
Sound Power Level	Indoor	dB(A)(SH/H/M/L/SL)	46/43/36/33/28
Outline Dimension		mm	1844X462X395
Package Dimension		mm	2023X501X590
Net Weight/Gross Weight	Indoor	kg	46/64
Outdoor Unit			
Sound Power Level	Indoor	dB(A)(SH/H/M/L/SL)	46/43/36/33/28
Piping Connection	Gas	mm	φ16
	Liquid	mm	φ6
Outline Dimension		mm	980x790x427
Package Dimension		mm	1083x855x488
Net Weight/Gross Weight	Outdoor	kg	46/64
Loading Quantity	40'GP	sets	51
	40'HQ	sets	80

Portable Accessory



Shiny Series



Low Noise

The noise is lower to 47dB(A)

High Loading capacity

The loading capacity is up to 500/40HQ.

Wifi Control (Optional)

Fire-Proof electric box

5-layer guard shield

- ① High loading protection
- ② Overload protection
- ③ Anti-freezing protection
- ④ Refrigerant leakage protection
- ⑤ Temperature sensor error protection



Features: ● Standard ● Optional

Model	GPC07AK-K3NNA1A		GPC08AK-K3NNA1A		*GPC09AK-K6NNA1A		GPC12AL-K3NNA1A		GPH12AL-K3NNA1A	
Function	Cooling		Cooling		Cooling		Cooling		Cooling/Heating	
Capacity	Cooling	Btu/h	7000	8000	9000	12000	12000			
		W	2060	2350	2650	3550	3550			
	Heating	Btu/h	-	-	-	-	12000			
		W	-	-	-	-	3520			
EER/COP	WW	2.62/-	2.62/-	2.62/-	2.62	2.62/2.6				
Energy Class		A	A	A	A	A/A+				
Power Supply	Ph,V,Hz	1Ph,230V,50Hz	1Ph,230V,50Hz	1Ph,230V,50Hz	1Ph,230V,50Hz	1Ph,230V,50Hz	1Ph,230V,50Hz			
Power Input	Cooling	W	785	895	1010	1355	1355			
	Heating	W	-	1350	-	-	-			
Rated Current	Cooling	A	4.5	4.8	5.8	7.6	7.6			
	Heating	A	-	-	-	-	7.2			
Airflow Volume	Indoor side	m³/h(H/M/L)	320/290/280	320/290/280	330/300/270	350/320/290	350/320/290			
Sound Power Level	Indoor side	dB(A)(H/M/L)	51/49/47	51/49/47	52/50/48	52/50/48	52/50/48			
Outline Dimension	WxHxD	mm	315×770×395	315×770×395	315×770×395	395×820×405	395×820×405			
Package Dimension	WxHxD	mm	358×881×463	358×881×463	358×881×463	455×850×582	455×850×582			
Net Weight/Gross Weight		kg	24/28	24.5/28	26/30	38/43	38/43			
Loading Quantity	40'GP	sets	330	330	330	208	208			
	40'HQ	sets	494	494	494	312	312			

Koobe Series

Portable Type



Compact Design

With 300 mm body design, it is designed for more flexibility and space saving.

Self-diagnosis

The unit shows error code automatically when it does not work well, for easier maintenance.



Features: ● Standard ● Optional

Model	GPC07AH-K3NNC3D		GPC08AH-K3NNC3D	
Function	Cooling		Cooling	
Capacity	Cooling	Btu/h	7000	8000
	Heating	Btu/h	-	-
EER/COP	W/W	2.6	2.6	
Energy Class		A	A	
Power Supply	Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	790	900
	Heating	W	-	-
Rated Current	Cooling	A	4.9	4.6
	Heating	A	-	-
Airflow Volume	Indoor side	m³/h(H/M/L)	330/300/250	330/300/250
Sound Power Level	Indoor side	dB(A)(H/M/L)	54/52/50	54/52/50
Outline Dimension	WxHxD	mm	300×807×375	300×800×355
Package Dimension	WxHxD	mm	565×355×850	565×355×850
Net Weight/Gross Weight		kg	24/28	24/28
Loading Quantity	40'GP	sets	284	264
	40'HQ	sets	396	396

Cutee Series

Portable Type



Color Band Design

A unique color band is perfectly around the front panel, designed for your personalized style.

Laffis Series

Portable Type



Elegant Appearance

Sleek as laffis, a curve surface gives an elegant impression.

Heating Pump

Heating pump is available to meet your needs for both cooling and heating (for 12K).

Flexible Castor

Easy for movement.



Features: ● Standard ● Optional

Model			GPC09AI-K3NNC6D
Function			Cooling
Capacity	Cooling	Btu/h	9000
	Heating	Btu/h	-
EER/COP		W/W	2.6
Energy Class			A
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	1010
	Heating	W	-
Rated Current	Cooling	A	6.44
	Heating	A	-
Airflow Volume	Indoor side	m ³ /h(H/M/L)	230/200/180
Sound Power Level	Indoor side	dB(A)(H/M/L)	56/54/52
Outline Dimension	WxHxD	mm	340×780×394
Package Dimension	WxHxD	mm	400×815×550
Net Weight/Gross Weight		kg	27/32.5
Loading Quantity	40'GP	sets	244
	40'HQ	sets	366



Features: ● Standard ● Optional

Model			GPC12AJ-K3NNA1D12000	GPH12AJ-K3NNA1D
Function			Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	12000	12000
	Heating	Btu/h	-	12000
EER/COP		W/W	2.6	2.61/2.8
Energy Class			A	A
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	1350	1350
	Heating	W	-	1255
Rated Current	Cooling	A	6.90	6.90
	Heating	A	-	-
Airflow Volume	Indoor side	m ³ /h(H/L/M)	360/320/280	360/320/280
Sound Power Level	Indoor side	dB(A)(H/M/L)	55/53/51	55/53/51
Outline Dimension	WxHxD	mm	375×775×442	375×775×442
Package Dimension	WxHxD	mm	437×885×555	437×885×555
Net Weight/Gross Weight		kg	40/45	40/45
Loading Quantity	40'GP	sets	222	222
	40'HQ	sets	333	333

Laffis A+

Portable Type



R32 Eco-friendly Refrigerant

High Efficiency A+



Model			GPC10AJ-K8NNA1D
Function			Cooling
Capacity	Cooling	Btu/h	10000
	Heating	Btu/h	-
EER/COP			3.1
Energy Class			A+
Power Supply	Ph, V, Hz		1Ph, 220-240V, 50Hz
Power Input	Cooling	W	945
	Heating	W	-
Rated Current	Cooling	A	5.5
	Heating	A	-
Airflow Volume	Indoor side	m ³ /h	360/330/300
Sound Power Level	Indoor side	dB(A)(H/M/L)	55/53/51
Outline Dimension	WxHxD	mm	375X775X442
Package Dimension	WxHxD	mm	437X875X555
Net Weight/Gross Weight			38/43
Loading Quantity	40'GP	sets	222
	40'HQ	sets	333



Features: ● Standard ● Optional

Coolani Series (R32)



R32 Eco-friendly Refrigerant

135V Low voltage Start up

Model			GJ009AF-E6RNBSA	GJC12AG-E6RNBSA
Function			Cooling	Cooling
Capacity	Cooling	Btu/h	9212	12454
	Heating	Btu/h	-	-
SEER	W/W		5.2	5.4
Energy Class Cool			A	A
Power Supply	Ph,V,Hz		1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	762	1030
	Heating	W	-	-
Rated Current	Cooling	A	5.5	6.5
	Heating	A	-	-
Airflow Volume	Indoor	m ³ /h	400/360/320	480/430/380
	Indoor	dB(A)(SH+MHL)	50/48/46	50/48/46
Sound Power Level	Outdoor	dB(A)(SH+MHL)	56/54/52	58/56/54
	Outline Dimension	WxHxD	mm	660*428*700
Package Dimension	WxHxD	mm	806*823*425	793*739*505
Net Weight/Gross Weight	Indoor	kg	43/47	50/54
Loading Quantity	40'GP	sets	260	184
	40'HQ	sets	312	230

- 3D Airflow
- Comfortable Sleep Mode
- Fresh Air Supply Ventilation
- Cold Air Prevention
- Timer
- Self-diagnosis
- Auto Restart
- Automatic Operation
- Auto Swing
- Filter Dirty Alarm
- Dehumidifying
- Soft Start
- Low voltage startup
- Golden Fin

Features: ● Standard ● Optional

Petal Series

Dehumidifier

Integrated handle design, concise and convenient

Concise control style makes the product modern-looking



Low noise is lower to 39db

High loading capacity

The loading capacity is up to 1649/40HQ

Wifi control (Optional)

Fire-Proof electric box

5-layer guard shield

- ① Compressor protection
- ② Anti-freezing protection
- ③ Overload protection
- ④ Overflow protection
- ⑤ Refrigerant leakage protection



Features: ● Standard ● Optional

Model	GDN10AY-K4EBA1A		GDN12AY-K4EBA1A	
Dehumidifying Volume 30°C, RH80%	L/D	10	12	
Power Supply	Ph, V, Hz	1Ph, 220-240V, 50Hz		1Ph, 220-240V, 50Hz
Power Input	W	230	220	
Rated Current	A	2.1	2.1	
Airflow Volume	m ³ /h	90	80	
Sound Power Level	dB(A)	39	39	
Water Tank Volume	L	1.5/1.8	1.5/1.8	
Outline Dimension	WxHxD	mm	310*400*243	
Package Dimension	WxHxD	mm	345X425X298	
Operation Mode		Electronic		
Net Weight/Gross Weight	kg	11.5/12.5	12/13	
Loading Quantity	40'GP	sets	1375	1375
	40'HQ	sets	1649	1649

Daisy Series

Dehumidifier

Drive system of clothes drying and dehumidifier

Easily dehumidify, rapidly dry

Quiet system design

Bionic bud appearance

6-layer guard shield

- ① Compressor protection
- ② Anti-freezing protection
- ③ Overload protection
- ④ Overflow protection
- ⑤ Hypoxia protection
- ⑥ Overcurrent protection



Features: ● Standard ● Optional

Model	GDN20AX-K4EBA1A		GDN20AV-K4EBA1A		GDN40AW-K3EBA1A		GDN20AT-K4EBA1A		GDN40AU-K3EBA1A			
Dehumidifying Volume 30°C, RH80%	L/D	20	20		40		20		40			
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		
Power Input	W	345	345		570		345		570			
Rated Current	A	1.9	1.9		3.1		1.9		3.1			
Airflow Volume	m ³ /h(HML)	130/115/105		130/115/105		230/195/170		130/115/105		230/195/170		
Sound Power Level	dB(A)(HML)	43/41/39		43/41/39		46/43/41		43/41/39		46/43/41		
Water Tank Volume	L	3.5/4		3.5/4		6.5/7		3.5/4		6.5/7		
Outline Dimension	WxHxD	mm	345*575*210		363*577*245		396*625*286		367*582*246		390*628*286	
Package Dimension	WxHxD	mm	430*620*295		431*607*314		451*653*341		431*620*314		464*670*351	
Operation Mode		Electronic			Electronic			Electronic				
Net Weight/Gross Weight	kg	14/15.5	15/16.5		23/24.5		15/16.5		22/23.5			
Loading Quantity	40'GP	sets	642	603	519	603	501	603	501	501		
	40'HQ	sets	856	804	690	804	501	804	501	501		

Grandeur Series

Dehumidifier

Fancy Series

Dehumidifier



Water Overflow protection

A signal is given when water level has reached the maximum level

Comfort & humanity

Several new control mode: Sleeping mode
Living space and basement

Three kind of drainage

Emptying Manually/ Continuous drain/
External pump(Optional)



Large Button Design

User-friendly for operation.

Convenient Handle

Convenient controlment
Flexible movement



Features: ● Standard ● Optional

Model	GDN20AR-K4EBA1A		GDN30AS-K4EBA1A	
Dehumidifying Volume	L/D	20(at 30°C/27.1°C)	30(at 30°C/27.1°C)	
Power Supply	Ph,V,Hz	1Ph,220V-240V,50Hz		1Ph,220V-240V,50Hz
Power Input	W	300	500	
Rated Current	A	2.1	2.9	
Airflow Volume	m ³ /h(H/M/L)	155/130/110	275/224/199	
Sound Prover Level	dB(A)(H/M/L)	44/42/40	47/45/43	
Water Tank Volume	L	4.7L	7L	
Outline Dimension	WxHxD	mm 355X495X280	380X610X285	
Package Dimension	WxHxD	mm 399X528X325	438X650X332	
Operation Mode		Electronic	Electronic	
Net Weight/Gross Weight	kg	15.5/17.5	19.5/22	
Loading Quantity	40'GP	sets	844	567
	40'HQ	sets	1054	755



Features: ● Standard ● Optional

Model	GDN08AJ-K4MBC1A		GDN10AJ-K4MBC1A		GDN12AJ-K4EBC1A		GDN16AJ-K4EBC1A	
Dehumidifying Volume	L/D	8	10	12	16			
Power Supply	Ph,V,Hz	1Ph,220-240V,50Hz		1Ph,220-240V,50Hz		1Ph,220-240V,50Hz		1Ph,220-240V,50Hz
Power Input	W	190	190	230	280			
Rated Current	A	1.1	1.1	1.1	1.3			
Rated Current	A	1.1	1.1	1.4	1.6			
Airflow Volume	m ³ /h	100	100	100/80	115/100			
Sound Pressure Level	dB(A)(H/L)	43	43	43/41	45/43			
Water Tank Volume	L	3.0/3.5	3.0/3.5	3.0/3.5	3.0/3.5			
Outline Dimension (WxHxD)	mm	353X496X225	353X496X225	353X496X225	353X496X225			
Package Dimension (WxHxD)	mm	396X530X274	396X530X274	396X530X274	396X530X274			
Operation Mode		Mechanic	Mechanic	electronic	electronic			
Net Weight/Gross Weight	kg	10.5/11.5	10.5/11.5	11/12	13.5/14.5			
Loading Quantity (40'GP)	sets	1000	1000	1000	1000			
	sets	1250	1250	1250	1250			

Diamond Series

Dehumidifier

Sunny Series

Dehumidifier



High Loading Quantity

Nearly 1600 sets per 40'HQ saves more space and shipment cost.

Innovative Water Tank Design

The water tank is installed on the back of the body, to present a perfect outlook.



Consecutive Drainage Function

Free of the hassle of pouring water away yourself.

5 C Low Temperature Operation

Operate finely at 5°C, making you enjoy fresh air under any environment.



Features: ● Standard ● Optional

Model		GDN08AK-K4MBD1A	GDN10AK-K4MBD1A
Dehumidifying Volume	L/D	8	10
Power Supply	Ph, V, Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Power Input	W	240	240
Rated Current	A	1.1	1.1
Rated Current	A	1.25	1.25
Airflow Volume	m ³ /h	100	100
Sound Pressure Level	dB(A)(H/L)	43	43
Water Tank Volume	L	2.1/2.3	2.1/2.3
Outline Dimension (WxHxD)	mm	250*505*250	250*505*250
Package Dimension (WxHxD)	mm	290*525*295	290*525*295
Operation Mode		Mechanic	Mechanic
Net Weight/Gross Weight	kg	10/12.5	10.5/12.5
Loading Quantity (40'GP)	sets	1280	1280
Loading Quantity (40'HQ)	sets	1598	1598



Features: ● Standard ● Optional

Model		GDN10AH-K4EBB2C	GDN12AH-K4EBB2C	GDN16AH-K4EBB2C	GDN20AH-K4EBB2C	GDN24AH-K4EBB2C	GDN30AH-K4EBB3G
Dehumidifying Volume	L/D	10	12	16	20	24	30
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
Power Input	W	250	250	300	330	330	500
Power Current	A	1.2	1.2	1.4	1.5	1.5	2.5
Rated Current	A	1.4	1.4	1.8	2.0	2.1	2.9
Airflow Volume	m ³ /h(H/M/L)	150/120/100	150/120/100	180/160/140	180/160/140	180/160/140	300/250/220
Sound Pressure Level	dB(A)(H/M/L)	43/41/39	43/41/39	45/43/41	45/43/41	47/45/43	48/45/42
Water Tank Volume	L	4.0/4.6	4.0/4.6	4.0/4.6	4.0/4.6	4.0/4.6	7/8.3
Outline Dimension (WxHxD)	mm	343*525*262	343*525*262	343*525*262	343*525*262	343*525*262	383*611*298
Package Dimension (WxHxD)	mm	394*584*313	394*584*313	394*584*313	394*584*313	394*584*313	440*655*346
Operation Mode		electronic	electronic	electronic	electronic	electronic	electronic
Net Weight/Gross Weight	kg	13/14.5	13/14.5	15.0/17.0	15.5/17.0	16.0/17.0	18/20
Loading Quantity (40'GP)	sets	871	871	871	871	871	525
Loading Quantity (40'HQ)	sets	872	872	872	872	872	700

Aqua Series



Humidifying Function

Intellectual humidifying function brings you a comfortable feeling.

Auto Detecting system

The unit detects air quality of environment automatically and the fan adjusts the speed accordingly.



Features: ● Standard ● Optional

Model	GCF220BBFNA	GCC240BKNA	GCS260BKNA
Power Supply	1Ph,220-240V,50Hz		
Function	Filter+Electrostatic		
Power Input	W	55	58
Rated Current	A	0.24	0.25
Airflow Volume	m ³ /h	220/180/150/80	240/200/160/80
Recommend Area	m ²	12-18	15-22
Sound Pressure Level	dB(A)/H/L/M	48/44/38	48/42/35
CADR	m ³ /h	120	160
Humidifying Volume	m ³ /h	350	380
Outline Dimension (WxHxD)	mm	385*608*278	385*608*278
Package Dimension (WxHxD)	mm	433*679*318	433*679*318
Net Weight/Gross Weight	kg	11/13	11/13
Loading Quantity (40'GP)	sets	576	576
Loading Quantity (40'HQ)	sets	767	767

Console Series



Slim Body and Flexible Installation

Properly match with various indoor decorations and various buildings, meeting your needs for comfort.
Installed on the floor or ceiling.

Floor Heating Function

The heating air flows out directly towards the floor, ensuring a warm feel from your feet.



Features: ● Standard ● Optional



Model	GEH09AA-K3DNA1C		GEH12AA-K3DNA1C	GEH18AA-K3DNA1C
Function	Cooling/Heating		Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8871	12000
	Heating	Btu/h	9383	12454
	Pdesignh	Btu/h	9212	11942
SEER/SCOPI(A)	W/W		6.5/4.0	6.3/4.0
Energy Class	A++/A+		A++/A+	A+/A
Power Supply	Ph,V,Hz		1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	700	1100
	Heating	W	740	1000
Rated Current	Cooling	A	5.3	6.2
	Heating	A	6.9	7.0
Airflow Volume	Indoor	m ³ /h	500	600
Indoor Unit				
Sound Power Level	Indoor	dB(A)(SH+HML)	50/48/43/36	52/50/47/42
Outline Dimension	WxHxD	mm	700*600*215	700*600*215
Package Dimension	WxHxD	mm	788*697*283	788*697*283
Net Weight/Gross Weight	Indoor	kg	15/18	15/18
Outdoor Unit				
Sound Power Level	Outdoor	dB(A)	62	63
Piping Connection	Gas	mm	φ9.52	φ9.52
	Liquid	mm	φ6	φ6
Outline Dimension	WxHxD	mm	778*540*320	848*540*320
Package Dimension	WxHxD	mm	823*595*358	881*595*363
Net Weight/Gross Weight	Outdoor	kg	32/34.5	34/36.5
Loading Quantity	40'GP	sets	180	165
	40'HQ	sets	201	190

Free-match 4 & 4+



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

Memory Function	Compact Design	Easier Maintainability	Turbo Function	Inner Groove Copper	High Efficiency	Intelligent Defrosting	Self-diagnosis	Low Voltage Startup	24 Hour Timer	Child Lock
Comprehensive Protection	Wide Voltage Range	Wide Operation Range	Weekly Timer	Centralized Control	Long-distance Monitoring					

Features: ● Standard ● Optional

- Free Match 4 has no 0.5W standby function, while it has electric heating belt;
- Free Match 4+ has 0.5W standby function, while it hasn't electric heating

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

Item	Nominal operating condition(temperature)				Operation range(temperature)	
	Outdoor condition		Indoor condition		Outdoor condition Free Match 4	Outdoor condition Free Match 4+
	DB(°C)	WB(°C)	DB(°C)	WB(°C)	DB(°C)	DB(°C)
Cooling	35	24	27	19	-15-43	18-43
Heating	7	6	20	15	-20-24	-15-24

8 combinations

GWHD(14)NK3DO	One unit	Two units	
	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
	9k	7k+12k	7k+18k
	12k	9k+9k	9k+12k
		12k+12k	-

18 combinations

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

23 combinations

GWHD(24)NK3MD	Two units		Three units	
	7k+7k	7k+9k	7k+7k+7k	7k+7k+9k
	7k+12k	7k+18k	7k+7k+12k	7k+7k+18k
	9k+9k	9k+12k	7k+9k+9k	7k+9k+12k
	9k+18k	12k+12k	7k+9k+18k	7k+12k+12k
	12k+18k	18k+18k	9k+9k+9k	9k+9k+12k
	-	-	9k+9k+18k	9k+12k+12k
-	-	12k+12k+12k	-	


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+7k+9k
	7k+12k	7k+18k	7k+7k+12k	7k+7k+18k	7k+7k+7k+12k	7k+7k+7k+18k
	9k+9k	9k+12k	7k+9k+9k	7k+9k+12k	7k+7k+9k+9k	7k+7k+9k+12k
	9k+18k	12k+12k	7k+9k+18k	7k+12k+12k	7k+7k+9k+18k	7k+7k+12k+12k
	12k+18k	18k+18k	7k+12k+18k	9k+9k+9k	7k+9k+9k+9k	7k+9k+9k+12k
	-	-	9k+9k+12k	9k+9k+18k	7k+9k+12k+12k	9k+9k+9k+9k
	-	-	9k+12k+12k	9k+12k+18k	9k+9k+9k+12k	9k+9k+12k+12k
-	-	12k+12k+12k	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+18k+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	18k+24k	7k+7k+12k	7k+18k+18k	9k+18k+18k	7k+7k+7k+12k	7k+7k+18k+18k	9k+9k+9k+12k
	7k+24k	21k+21k	7k+7k+18k	7k+18k+21k	9k+18k+21k	7k+7k+7k+18k	7k+9k+9k+9k	9k+9k+9k+18k
	9k+9k	21k+24k	7k+7k+21k	7k+18k+24k	9k+18k+24k	7k+7k+9k+21k	7k+9k+9k+21k	9k+9k+9k+21k
	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+18k	-	7k+9k+9k	9k+9k+9k	12k+12k+12k	7k+7k+9k+9k	7k+9k+9k+21k	9k+9k+12k+12k
	9k+21k	-	7k+9k+12k	9k+9k+12k	12k+12k+18k	7k+7k+9k+12k	7k+9k+9k+24k	9k+9k+12k+18k
	9k+24k	-	7k+9k+18k	9k+9k+18k	12k+12k+21k	7k+7k+9k+18k	7k+9k+12k+12k	9k+9k+18k+18k
	12k+12k	-	7k+9k+21k	9k+9k+21k	12k+12k+24k	7k+7k+9k+21k	7k+9k+12k+18k	9k+9k+12k+12k
	12k+18k	-	7k+9k+24k	9k+9k+24k	12k+18k+18k	7k+7k+9k+24k	7k+9k+12k+21k	9k+12k+12k+12k
	12k+21k	-	7k+12k+12k	9k+12k+12k	12k+18k+21k	7k+7k+12k+12k	7k+9k+18k+18k	9k+12k+12k+18k
12k+24k	-	7k+12k+18k	9k+12k+18k	12k+18k+24k	7k+7k+12k+18k	7k+12k+12k+12k	12k+12k+12k+12k	

155 combinations



	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+9k+12k+12k	
	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+9k+9k	7k+7k+9k+12k+18k	
	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+12k+12k	7k+9k+12k+21k	
	9k+12k	7k+7k+18k	9k+9k+9k	12k+12k+24k	7k+7k+7k+18k	7k+9k+9k+18k	7k+12k+18k+21k	9k+9k+9k+18k	7k+7k+7k+18k+18k	7k+7k+12k+12k+12k	
	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+21k+21k	7k+7k+12k+12k+18k	
	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+24k+24k	7k+9k+12k+9k+9k	
	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	7k+9k+9k+9k+12k	
	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	7k+9k+9k+9k+18k	
	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	7k+9k+9k+9k+21k	
	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	7k+9k+9k+12k+12k	
	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	7k+9k+9k+12k+18k	
	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	7k+9k+12k+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	7k+9k+12k+12k+12k	
	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	7k+9k+12k+12k+18k	
	21k+21k	7k+12k+24k	9k+18k+24k	-	7k+7k+12k+21k	7k+12k+12k+21k	-	12k+12k+12k+18k	7k+7k+9k+9k+9k	7k+9k+9k+9k+12k	
	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	7k+9k+9k+9k+18k	
	24k+24k	7k+18k+21k	9k+21k+24k	-	7k+7k+18k+18k	7k+12k+18k+18k	-	12k+12k+18k+18k	7k+7k+9k+9k+18k	7k+9k+9k+12k+12k	
	-	7k+18k+24k	7k+24k+24k	-	7k+7k+18k+21k	-	-	9k+9k+18k+21k	-	7k+7k+9k+9k+21k	7k+9k+12k+12k+12k

Outdoor Unit [Free match 4&4+]

Model	GWH42 NK3AO		GWH42 NK3AO		GWH42 NK3AO		GWH42 NK3AO		GWH42 NK3AO	
Capacity	Cooling	Btu/h	14000	18000	21000	24000	28000	35260	41285	
	Heating	Btu/h	15000	18400	22000	26000	31800	37532	44400	
SEER	W/W		6.1	6.3	6.1	6.1	6.1	5.5	5.5	
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	1.4	2.2	2.2	2.4	4.3	4.8	
Air Pressure Level	m"/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	886×596×378	955×396×700	955×396×700	980×790×427	980×790×427	1088×440×1107	1088×440×1107	
	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(φ9.52)	1/2(φ12)	
	W×H×D	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		20	20	60	60	70	70	80	
Maximum drive IDU NO.	unit		5	5	5	5	5	5	5	
Loading quantity	40°GP/40°HQ	sets	204/272	171/171	171/171	96/144	96/144	48/96	48/96	

U-Crown [Free-match 4]




Model	GWH18UC-K3DNA4F		GWH18UC-K3DNA4F		GWH18UC-K3DNA4F	
Capacity	Cooling	Btu/h	9000	12000	16000	
	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	m ³ /h(SHHMMLLSL)		650/530/470/400/350/300/290	720/550/490/420/370/320/290	850/750/650/600/500/400/340	
	CFM(SHHMMLLSL)		380/353/324/294/265/235/206	424/324/288/247/218/188/171	500/440/383/353/294/235/200	
Sound Pressure Level (SHHMMLLSL)	dB(A)		56/50/48/46/43/35/32	57/51/49/47/44/36/33	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	438/499	

Hansol [Free match 4&4+]




Model	GWH09TB-S3DNA1D1		GWH09TB-S3DNA1D1		GWH12TB-S3DNA1D1		GWH18TC-S3DNA1D1		GWH24TD-S3DNA1D1	
Capacity	Cooling	Btu/h	7200	8530	12000	18084	23900			
	Heating	Btu/h	8880	10920	13600	18425	24900			
Power supply	Ph.V./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(SHHMMLLSL)		650/600/550/500/450/400/350	650/600/550/500/450/400/350	750	950/870/790/710/630/560/480	1200/1130/990/850			
	CFM(SHHMMLLSL)		383/353/324/294/265/235/206	383/353/324/294/265/235/206	441/383/341/306/277/247/206	559/512/465/418/371/330/282	706/665/583/500			
Sound Pressure Level (dB (A))			38/36/32/30/29/26/26	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			
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	1018×230×319	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	11/12	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	566/640	566/640	566/640	366/427	276/322			

Lomo [Free match 4&4+]



Model	GWH07QB-K3DNA1G1		GWH09QB-K3DNA1G1		GWH12QC-K3DNA1G1		GWH18QD-K3DNA1G1		GWH24QE-K3DNA1G1	
Capacity	Cooling	Btu/h	7165	8880	12000	17500	23800			
	Heating	Btu/h	8871	9550	12500	18000	24900			
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			
Air flow volume	m ³ /h(SHHMMLLSL)		550/490/420/330	560/490/430/330	660/540/460/330	800/720/610/520	1150/1050/650/800			
	CFM(SHHMMLLSL)		324/288/247/194	324/288/247/194	389/318/271/194	471/424/359/306	677/618/559/500			
Sound pressure level	dB(A)		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	955×700×396			
	Package	mm	866×271×367	866×271×367	921×281×379	1041×383×320	1029×750×458			
Net Weight/Gross weight	kg		9/11	9/11	10.0/12.0	13.5/16.5	17.0/20.5			
Loading quantity	20°GP	sets	334	334	294	229	172			
	40°GP/40°HQ	sets	692/804	692/804	600/674	489/557	336/392			

Cozy [Free match 4&4+]



Model	GWH07MB-K3DNE3G1		GWH09MB-K3DNE3G1		GWH12MB-K3DNE3G1		GWH18MC-K3DNE3G1		GWH24MD-K3DNE3G1	
Capacity	Cooling	Btu/h	7200	8900	12000	18000	22000			
	Heating	Btu/h	8880	10240	13600	19800	24000			
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	m ³ /h(SHHMMLLSL)		580/500/400/300	600/500/400/300	600/500/400/300	850	1000/800			
	CFM(SHHMMLLSL)		341/294/235/177	353/294/235/177	353/294/235/177	500	588/471/412/324			
Sound pressure level	dB(A)		41/39/34/28	42/39/34/28	42/39/33/26	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	845×180×275	940×200×295	1007×315×219			
	Package	mm	918×370×258	918×370×258	918×370×258	1013×383×300	1076×398×328			
Net Weight/Gross weight	kg		9/11	9/11	9/11	12.0/15.0	15/18.5			

Viola [Free match 4&4+]



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	Ph/V/Hz		1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz				
Air flow volume	m³/h(SHHMML)		580/500/400/300	600/500/400/300	800/500/400/300	850	1000				
	CFM(SHHMML)		341/294/235/177	353/294/235/177	353/294/235/117	500	588				
Sound Pressure Level	dB(A)(SHHML)		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	848×189×274	848×189×274	848×189×274	945×208×298	1018×233×315				
	Package	mm	926×267×371	926×267×371	926×267×371	1013×383×300	1086×328×398				
Net Weight /Gross Weight	kg		9.0/11.0	9.0/11.0	9/11	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	541/600	427/488				

Change [Free match 4&4+]



Model		GWH07KF-K3DNA6G/I		GWH09KF-K3DNA6G/I		GWH12KF-K3DNA6G/I		GWH18KG-K3DNA6G/I		GWH24KG-K3DNA6G/I	
Capacity	Cooling	Btu/h	7200	8880	12000	18000	22007				
	Heating	Btu/h	8880	9550	13000	19000	23884				
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				
Air flow volume	m³/h(SHHMML)		550	600	880	800	1000				
	CFM(SHHMML)		324	353	400	471	588				
Sound pressure level	dB(A)(SHHML)		40/38/30/24	41/38/30/24	42/39/31/25	45/40/37/32	51/47/42/34				
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	770×283×201	770×283×201	770×283×201	865×305×215	1007×315×219				
	Package	mm	847×345×276	847×345×276	847×345×276	948×383×310	1076×398×328				
Net Weight /Gross Weight	kg		328	328	9.0/10.5	12.0/15.0	14/17				
Loading Quantity	20'GP	sets	335	335	335	264	210				
	40'GP/40'HQ	sets	700/786	700/786	700/786	542/616	434/496				

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	Ph/V/Hz		1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz				
Air flow volume	m³/h		450	500	700	1000	1000				
	CFM		265	324	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				

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	m³/h		680	600	1180		
	CFM		400	353	694		
Sound pressure level	dB(A)(L/M)		35/35/33	46/44/42	39/37/35		
Connecting pipe	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	840×840×190	570×570×230	840×840×240	
	Package	mm	963×963×273	851×731×325	963×963×325		
Net Weight/Gross weight	kg		25/33	18/23	28/35		
Panel	Dimension (W×D×H)	Outline	mm	950×950×60	650×850×50	950×950×60	
	Package	mm	1043×1028×115	733×673×117	1043×1028×130		
Net Weight/Gross weight	kg		6.5/10	2.5/3.5	6.5/10		
Loading quantity	20'GP	sets	48	-	40		
	40'GP/40'HQ	sets	128/144	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	11942	11942	17060	24225			
	Heating	Btu/h	13648	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	m³/h		600	650	950	1250			
	CFM		383	382	559	736			
Sound pressure level (SHH/MH/MM/L/SL)	dB(A)		46/42	40/36	45/40	48/44			
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(W×H×D)	Outline	mm	570×570×230	1220×700×225	1220×700×225	1220×700×225			
	Package	mm	851×731×325	1343×823×315	1343×823×315	1343×823×315			
Net weight/Gross weight	kg		18/23	40/50	40/50	45/54			
Loading quantity	20'GP	sets	66	66	66	66			
	40'GP/40'HQ	sets	209/246	132/132	132/132	132/132			

Control system line up

Control system	Product series	Wall mounted type					Duct type	Cassette type	Floor ceiling type
		Hansol	Viola	Lomo	Cozy	Change			
YAA1FB1									
YAA1FB			●						
YB1FA(XFAN)					●				
YB1F2(XFAN)						●			
YN1F1(XFAN)				●					
YAG1FB		●							
YT1F(MOTO)							●	●	
XK19							●	●	
Centralized controller	CE50-24E	○					●	●	

Features: ● Standard ○ Optional

Super Free Match



Capacity range from 12kw to 16kw can be widely used in residential house, hotel, business office and especially applicable in variable loading situation.



42000BTU, 48000BTU, 56000BTU



FXA2A-K, FXA2B-K
FXA3A-K, FXA3B-K



FXB3A-K
FXB5A-K



- 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.
- Stably heating under -15°C environment temperature. (only for the unit CUHD°C10)

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

Item	Nominal operating condition(temperature)				Operation range(temperature)
	Outdoor condition		Indoor condition		
	DB(°C)	WB(°C)	DB(°C)	WB(°C)	
Cooling	35	24	27	19	10~48
Heating	7	6	20	15	-15~24

163 Combinations



GWHD(42S)NK3CO
(2 to 6)

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+12+18+18	7+7+7+7+7
7+21	7+7+9	7+21+21	12+12+12	7+7+7+9	7+7+18+24	9+9+9+9	7+7+7+7+9
7+24	7+7+12	7+21+24	12+12+18	7+7+7+12	7+9+9+9	9+9+9+12	7+7+7+7+12
9+12	7+7+18	7+24+24	12+12+21	7+7+7+18	7+9+9+12	9+9+9+18	7+7+7+7+18
9+18	7+7+21	9+9+9	12+12+24	7+7+7+21	7+9+9+18	9+9+9+21	7+7+7+7+21
9+21	7+7+24	9+9+12	12+18+18	7+7+7+24	7+9+9+21	9+9+9+24	7+7+7+7+24
9+24	7+9+9	9+9+18	12+18+21	7+7+9+9	7+9+9+24	9+9+12+12	7+7+7+9+9
12+12	7+9+12	9+9+21	12+18+24	7+7+9+12	7+9+12+12	9+9+12+18	7+7+7+9+12
12+18	7+9+18	9+9+24	12+21+21	7+7+9+18	7+9+12+18	7+9+9+12	7+7+7+9+18
12+21	7+9+21	9+12+12	—	7+7+9+21	7+9+12+21	7+9+9+18	7+7+7+9+21
12+24	7+9+24	9+12+18	—	7+7+9+24	7+9+12+24	7+9+9+21	7+7+7+9+24
18+18	7+12+12	9+12+21	—	7+7+9+24	7+9+18+18	9+12+12+12	7+7+9+9+9
18+21	7+12+18	9+12+24	—	7+7+12+12	7+9+18+21	9+12+12+18	7+7+9+9+12
18+24	7+12+21	9+18+18	—	7+7+12+18	7+12+12+12	9+12+12+21	7+7+9+9+18
21+21	7+12+24	9+18+21	—	7+7+12+21	7+12+12+18	12+12+12+12	7+9+9+9+9
21+24	7+18+18	9+18+24	—	7+7+12+24	7+12+12+21	12+12+12+18	7+9+9+9+12
	7+18+21	9+21+21	—	7+7+18+18	7+12+12+24	—	9+9+9+9+9

288 Combinations



GWHD(48S)NK3CO
(2 to 8)

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

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	8533	11946	17060	24225
	Heating	Btu/h	9556	13136	18766	27296
Power supply		PtV/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
		m ³ /h	650	650	950	1250
Airflow volume		CFM	382.5	382.5	559	736
Sound pressure level (SHH/MH/HMM/L/SL)		dB(A)	40/38/36	40/38/36	45/42/40	48/46/44
		inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ5/8(15.9)
Connecting pipe	Gas	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ3/8(9.52)
	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	8873	11942	18083
	Heating	Btu/h	9553	12969	19790
Power supply		PtV/Hz	1/220~240/50	1/220~240/50	1/220~240/50
		m ³ /h	500	600	650
Airflow volume		CFM	294	353	383
Sound pressure level (SHH/MH/HMM/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
		inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)
Connecting pipe	Gas	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
	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	788*283*697	788*283*697	788*283*697
Net weight/Gross weight		kg	15/18	15/18	15/18
Loading quantity	20'GP	sets	181	181	181
	40' GP/40' HQ	sets	381/454	381/454	381/454

Control System Lineup

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

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.

Light Commercial

U-Match



Inverter 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.



- Double ambient temperature sensor design makes a precision temperature monitoring.
- Law 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/heating under -15°C outdoor environment temperature (for the unit CUHD°C10).



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 DB (°C)
	Outdoor condition		Indoor condition		
	DB (°C)	WB (°C)	DB (°C)	WB (°C)	
Cooling	35	24	27	19	-15~48(with low ambient cooling) 18~48(without low ambient cooling)
Heating	7	6	20	15	-15~24

Units Lineup

Capacity Index (Btu/h)		9K	12K	18K	24K	30K	
	Model	GUHD09NK3FO	GUHD12NK3FO	GUHD18NK3FO	GUHD24NK3FO	GUHD30NK3FO	
Outdoor Unit	Picture						
		SJ2PC020126	SJ2PC020128	SJ2PC020129			
Indoor Unit	Duct	Model	GFH09K3FI	GFH12K3FI	GFH18K3FI	GFH24K3FI	GFH30K3FI
		Picture					
			SJ2PC020132		SJ2PC020133		
	Cassette	Model	—	GKH12K3FI	GKH18K3FI	GKH24K3FI	GKH30K3FI
Picture		—					
			SJ2PC020136		SJ2PC020137		
Floor Ceiling	Model	GTH09K3FI	GTH12K3FI	GTH18K3FI	GTH24K3FI	GTH30K3FI	
	Picture						
			SJ2PC020221		SJ2PC020222		

Capacity Index (Btu/h)		36K		42K		48K		60K	
	Model	GUHD36NK3FO	GUHD36NM3FO	GUHD42NK3FO	GUHD42NM3FO	GUHD48NK3FO	GUHD48NM3FO	GUHD60NM3FO	
Outdoor Unit	Picture								
		SJ2PC020130		SJ2PC020131				SJ2PC020118	
Indoor Unit	Duct	Model	GFH36K3FI	GFH36K3FI	GFH42K3FI	GFH42K3FI	GFH48K3FI	GFH48K3FI	GFH60K3FI
		Picture							
			SJ2PC020134				SJ2PC020135		
	Cassette	Model	GKH36K3FI	GKH36K3FI	GKH42K3FI	GKH42K3FI	GKH48K3FI	GKH48K3FI	GKH60K3FI
Picture									
			SJ2PC020137				SJ2PC020138		
Floor Ceiling	Model	GTH36K3FI	GTH36K3FI	GTH42K3FI	GTH42K3FI	GTH48K3FI	GTH48K3FI	GTH60K3FI	
	Picture								
			SJ2PC020222				SJ2PC020142		

Drain Pump

Capacity Index	9000Btu	12000Btu	18000Btu	24000Btu	30000Btu	36000Btu	42000Btu	48000Btu	60000Btu
Duct Type	●	●	●	●	●	●	●	●	●
Cassette	●	●	●	●	●	●	●	●	●
Floor ceiling	●	●	●	●	●	●	●	●	●

Features: ● Standard ● Optional ● Without



Model	Outdoor unit		GUHD09NK3FO	GUHD09NK3FO	GUHD12NK3FO	GUHD12NK3FO	GUHD12NK3FO	GUHD18NK3FO	GUHD18NK3FO
	Indoor unit		Duct GFH09K3FI	Floor ceiling GTH09K3FI	Duct GFH12K3FI	Cassette GKH12K3FI	Floor ceiling GTH12K3FI	Duct GFH18K3FI	Cassette GKH18K3FI
Capacity	Cooling	W	2700	2700	3500	3500	3500	5000	5000
	Heating	W	9212.4	9212.4	11942	11942	11942	17060	17060
SEER/SCOP	W/W		2900	2900	3800	3800	3800	5600	5500
	W/W		8894.8	8894.8	12965.6	12965.6	12965.6	19107.2	18766
EER / C.O.P	W/W		5.63.8	6.13.8	5.64.0	5.64.0	6.14.0	5.63.8	5.63.8
	Btu/h W		3.213.61	3.213.61	3.003.61	3.213.61	3.213.61	3.233.61	3.123.48
Power supply	Ph/V/Hz		10.97/12.32	10.97/12.32	10.24/12.31	10.96/12.31	10.96/12.31	11.01/12.33	10.66/11.88
	Ph/V/Hz		220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1
Power input	Cooling	kW	1.70	1.70	1.90	1.90	1.90	2.50	2.50
	Heating	kW	1.60	1.60	1.80	1.80	1.80	2.40	2.40
Current input	Cooling	A	3.90	3.90	5.40	5.00	5.00	7.50	7.20
	Heating	A	3.70	3.70	4.90	4.90	4.90	7.40	7.60
Refrigerant charge volume		kg	1.2	1.2	1.2	1.2	1.2	1.4	1.4
		kg	1.2	1.2	1.2	1.2	1.2	1.4	1.4
Indoor unit	Sound pressure level (HML)	dB(A)	34/28/26	29/26/24	36/34/28	45/41/36	33/30/27	39/36/28	46/44/37
	Air flow volume (HML)	CFM	382.525	353.1	441.375	411.95	411.95	588.5	447.26
ESP	Rated	Pa	25	0	25	0	0	25	0
	Range	Pa	0-30	0	0-30	0	0	0-30	0
Panel	Dimension (W×D×H)	mm	925×665×250	1220×700×225	1037×721×266	596×596×240	1220×700×225	1037×721×266	596×596×240
	Package	mm	1023×748×320	1343×823×315	1123×798×323	773×733×300	1343×823×315	1123×798×323	773×733×300
Outdoor unit	Net weight	kg	27.0	38.0	33.0	20.0	39.0	33.0	20.0
	Gross weight	kg	32.0	47.0	38.0	24.0	48.0	38.0	24.0
Connection pipe	Outer diameter	inch/mm	1/4	1/4	1/4	1/4	1/4	1/4	1/4
	Max distance	m	15	15	15	15	15	15	15
Loading quantity	40'GP		126	96	114	127	96	93	95
	40'HQ		141	112	131	138	112	95	105



Model	Outdoor unit		GUHD18NK3FO	GUHD24NK3FO	GUHD24NK3FO	GUHD24NK3FO	GUHD30NK3FO	GUHD30NK3FO	GUHD30NK3FO	GUHD30NK3FO	
	Indoor unit		Floor ceiling GTH18K3FI	Duct GFH24K3FI	Cassette GKH24K3FI	Floor ceiling GTH24K3FI	Duct GFH30K3FI	Cassette GKH30K3FI	Floor ceiling GTH30K3FI		
Capacity	Cooling	W	5000	7000	7000	7000	8300	8300	8500		
		Btu/h	17600	23884	23884	23884	28319.6	28319.6	29002		
SEER/SCOP	Heating	W	5600	8000	8000	8000	9200	9200	9200		
		Btu/h	19107.2	27296	27296	27296	31390.4	31390.4	31390.4		
EER / C.O.P	WW		6.14 0	6.14 0	6.14 0	6.14 0	6.14 0	6.14 0	6.14 0		
	Btu/h.W		3.23/3.61	3.21/3.62	3.21/3.62	3.21/3.62	3.11/3.58	3.11/3.58	3.16/3.58		
Power supply		Ph/V/Hz	220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1		
Power input	Cooling	kW	2.50	3.80	3.80	3.80	3.90	3.90	3.90		
	Heating	kW	2.40	4.00	4.00	4.00	4.10	4.10	4.10		
Current input	Cooling	A	7.20	10.10	10.10	10.10	12.40	12.40	12.40		
	Heating	A	7.20	10.20	10.20	10.20	12.90	12.90	12.90		
Refrigerant charge volume		kg	1.4	2.2	2.2	2.2	2.4	2.4	2.4		
Indoor unit	Sound pressure level (HML)	dB(A)	42/38/32	46/44/40	46/42/38	46/44/40	48/46/40	48/45/40	48/44/38		
	Air flow volume(HML)	CFM	588.5	823.9	765.05	706.2	823.9	882.75	882.75		
	ESP	Rated	Pa	0	25	0	0	37	0		
		Range	Pa	0	0-75	0	0	0-75	0		
	Dimension (WxDxH)	Outline	mm	1220*700*225	1278*558*268	840*840*240	1220*700*225	1279*558*268	840*840*320	1420*700*245	
		Package	mm	1343*823*315	1348*697*283	963*963*325	1343*823*315	1348*597*283	963*963*409	1548*828*345	
	Net weight		kg	30.0	34.0	36.0	34.0	31.0	48.0	48.0	
		Gross weight	kg	48.0	39.0	32.0	50.0	39.0	38.0	56.0	
	Panel	Dimension (WxDxH)	Outline	mm	—	950*950*60	—	—	950*950*60	—	
		Package	mm	—	—	1028*1043*130	—	—	1028*1043*130	—	
Net weight		kg	—	—	7	—	—	7	—		
Outdoor unit	Sound pressure level	dB(A)	56	57	57	57	58	58	58		
	Dimension (WxDxH)	Outline	mm	955*396*700	980*427*790	980*427*790	980*427*790	980*427*790	980*427*790		
	Package	mm	1029X455X750	1083X488X855	1063X488X855	1083X488X855	1083X488X855	1083X488X855	1083X488X855		
Connection pipe	Outer diameter	Liquid	inch(mm)	1/4	3/8	3/8	3/8	3/8	3/8		
		Gas	inch(mm)	1/2	5/8	5/8	5/8	5/8	5/8		
	Max.distance	Height	m	15	15	15	15	15	15		
Loading quantity		m	20	30	30	30	30	30	30		
		Length	40'GP	89	76	64	70	76	49	57	
		40'HQ	97	89	71	86	89	69	67		

Model	Outdoor unit		GUHD36NK3FO	GUHD36NK3FO	GUHD36NK3FO	GUHD36NK3FO	GUHD36NK3FO	GUHD36NK3FO	GUHD42NK3FO	
	Indoor unit		Duct GFH36K3FI	Cassette GKH36K3FI	Floor ceiling GTH36K3FI	Duct GFH36K3FI	Cassette GKH36K3FI	Floor ceiling GTH36K3FI	Duct GFH42K3FI	
Capacity	Cooling	W	10000	10000	10000	10000	10000	10000	11500	
		Btu/h	34120	34120	34120	34120	34120	34120	39238	
SEER/SCOP	Heating	W	12000	12000	12000	12000	12000	12000	13500	
		Btu/h	40944	40944	40944	40944	40944	40944	46062	
EER / C.O.P	WW		6.14 0	6.14 0	6.14 0	6.14 0	6.14 0	6.14 0	5.93 8	
	Btu/h.W		3.12/3.53	3.12/3.43	3.12/3.53	3.12/3.53	3.21/3.61	3.21/3.61	2.88/3.46	
Power supply		Ph/V/Hz	220-240-50-1	220-240-50-1	220-240-50-1	220-240-50-1	380-415-50-3	380-415-50-3	220-240-50-1	
Power input	Cooling	kW	4.65	4.65	4.75	4.75	4.80	4.80	4.80	
	Heating	kW	4.75	4.85	4.85	4.85	4.85	4.85	4.85	
Current input	Cooling	A	15.00	15.00	15.00	15.00	5.40	5.40	18.80	
	Heating	A	15.50	16.20	15.90	5.80	5.80	5.80	18.10	
Refrigerant charge volume		kg	3.5	3.5	3.5	3.5	3.5	3.7		
Indoor unit	Sound pressure level (HML)	dB(A)	52/48/44	49/46/43	53/51/46	52/48/44	49/46/43	53/51/46	52/48/44	
	Air flow volume(HML)	CFM	1235.85	1094.81	1118.15	1235.85	1094.81	1118.15	1235.85	
	ESP	Rated	Pa	2100	1860	1900	2100	1860	1900	2100
		Range	Pa	0	0	0	0	0	0	0
	Dimension (WxDxH)	Outline	mm	1226*775*290	840*840*320	1420*700*245	1226*775*290	840*840*320	1420*700*245	1226*775*290
		Package	mm	1338*877*305	963*963*409	1548*828*345	1338*877*305	963*963*409	1548*828*345	1338*877*305
	Net weight		kg	48.0	31.0	48.0	48.0	31.0	48.0	48.0
		Gross weight	kg	53.0	38.0	53.0	53.0	38.0	53.0	53.0
	Panel	Dimension (WxDxH)	Outline	mm	—	950*950*60	—	—	950*950*60	—
		Package	mm	—	—	1028*1043*130	—	—	1028*1043*130	—
Net weight		kg	—	—	7	—	—	7	—	
Outdoor unit	Sound pressure level	dB(A)	63	63	63	63	63	63	61	
	Dimension (WxDxH)	Outline	mm	1107*440*1100	1107*440*1100	1107*440*1100	1107*440*1100	1107*440*1100	958*412*1349	
	Package	mm	1158X493X1236	1158X493X1236	1158X493X1236	1158X493X1236	1158X493X1236	1158X493X1236	1043X453X1500	
Connection pipe	Outer diameter	Liquid	inch(mm)	3/8	3/8	3/8	3/8	3/8	3/8	
		Gas	inch(mm)	5/8	5/8	5/8	5/8	5/8	5/8	
	Max.distance	Height	m	15	15	15	15	15	15	
Loading quantity		m	30	30	30	30	30	30	30	
		Length	40'GP	45	43	45	45	43	52	
		40'HQ	60	50	56	60	50	56		



Model	Outdoor unit		GUHD42NK3FO	GUHD42NM3FO	GUHD42NM3FO	GUHD42NM3FO	GUHD42NM3FO	GUHD42NM3FO	GUHD42NM3FO	GUHD42NM3FO
	Indoor unit		Cassette GKH42K3FI	Floor ceiling GTH42K3FI	Duct GFH42K3FI	Cassette GKH42K3FI	Floor ceiling GTH42K3FI	Duct GFH42K3FI	Cassette GKH42K3FI	Floor ceiling GTH42K3FI
Capacity	Cooling	W	11000	11500	11500	11000	11500	14000	14000	
	Heating	W	12500	13500	13500	12500	13500	15500	16000	
SEER/SCOP	WW	5.6/4.0	6.1/4.0	5.6/4.0	6.1/4.0	5.6/4.0	6.1/3.8	6.1/3.8	6.1/3.8	
	W/W	2.82/3.29	2.95/3.85	2.88/3.46	2.82/3.29	2.95/3.61	2.98/3.52	3.04/3.56	3.04/3.56	
EER / C.O.P	Btu/h.W	9.62/11.22	10.06/12.45	9.81/11.81	9.62/11.22	10.06/12.32	10.16/12.02	10.38/12.13	10.38/12.13	
	Ph/V/Hz	220-240-50-1	220-240-50-1	380-415-50-3	380-415-50-3	380-415-50-3	220-240-50-1	220-240-50-1	220-240-50-1	
Power input	Cooling	kW	4.75	4.80	4.90	4.80	4.80	6.70	6.70	
	Heating	kW	4.90	4.90	4.90	4.90	4.90	6.70	6.50	
Current input	Cooling	A	18.10	18.10	6.90	6.70	6.70	21.80	21.30	
	Heating	A	17.80	17.20	6.70	6.60	6.50	20.40	20.80	
Refrigerant charge volume		kg	3.7	3.7	3.7	3.7	3.7	4.0	4.0	
	Sound pressure level (HML)	dB(A)	49/46/43	54/52/47	52/48/44	49/46/43	54/52/47	53/49/45	52/47/41	56/52/46
Indoor unit	Air flow volume(HML)	CFM	1094.61	1118.15	1235.85	1094.61	1118.15	1412.4	1353.55	
	ESP	Pa	0	0	0-100	0	0	50	0	
Dimension (WxDxH)	Outline	mm	840*840*320	1420*700*245	1226*775*290	840*840*320	1420*700*245	1340*750*350	910*910*290	
	Package	mm	963*963*409	1548*828*345	1338*877*305	963*963*409	1548*828*345	1423*837*455	1023*993*375	
Net weight		kg	31.0	50.0	46.0	31.0	50.0	56.0	43.0	
	Gross weight	kg	38.0	58.0	53.0	38.0	58.0	65.0	50.0	
Panel	Outline	mm	950*950*60	---	---	950*950*60	---	---	1040*1040*65	
	Package	mm	1028*1043*130	---	---	1028*1043*130	---	---	1137*1137*140	
Net weight		kg	7	---	---	---	---	---	8	
	Gross weight	kg	11	---	---	11	---	---	12	
Outdoor unit	Sound pressure level	dB(A)	61	61	61	61	61	59	59	
	Outline	mm	958*412*1349	958*412*1349	958*412*1349	958*412*1349	958*412*1349	958*412*1349	958*412*1349	
Net weight		kg	104.3X453X1500	104.3X453X1500	104.3X453X1500	104.3X453X1500	104.3X453X1500	104.3X453X1500	104.3X453X1500	
	Gross weight	kg	105.0	105.0	118.0	105.0	118.0	115.0	115.0	
Connection pipe	Outer diameter	inch/mm	3/8	3/8	3/8	3/8	3/8	3/8	3/8	
	Max distance	m	30	30	30	30	30	30	30	
Loading quantity	40'GP		45	43	52	45	43	38	43	
	40'HQ		46	47	58	46	47	48	50	

Model	Outdoor unit		GUHD48NK3FO	GUHD48NM3FO	GUHD48NM3FO	GUHD48NM3FO	GUHD60NM3FO	GUHD60NM3FO	GUHD60NM3FO
	Indoor unit		Floor ceiling GTH48K3FI	Duct GFH48K3FI	Cassette GKH48K3FI	Floor ceiling GTH48K3FI	Duct GFH48K3FI	Cassette GKH48K3FI	Floor ceiling GTH48K3FI
Capacity	Cooling	W	14000	14000	14000	14000	16000	16000	16000
	Heating	W	16000	15500	16000	16000	16500	17000	17000
SEER/SCOP	WW	5.6/3.8	5.6/3.8	5.6/3.8	5.6/3.8	5.6/3.8	6.1/4.0	6.1/4.0	5.1/4.0
	W/W	2.92/3.72	2.75/3.44	2.72/3.56	2.80/3.56	2.86/3.61	2.81/3.62	2.78/3.62	2.78/3.62
EER / C.O.P	Btu/h.W	9.95/12.70	9.37/11.75	9.28/12.13	9.55/12.13	9.75/12.32	9.58/12.34	9.48/12.34	9.48/12.34
	Ph/V/Hz	220-240-50-1	380-415-50-3	380-415-50-3	380-415-50-3	380-415-50-3	380-415-50-3	380-415-50-3	380-415-50-3
Power input	Cooling	kW	6.80	6.70	6.70	6.80	7.40	7.40	7.40
	Heating	kW	6.70	6.70	6.70	6.70	7.20	7.20	7.20
Current input	Cooling	A	22.30	8.80	8.90	8.80	9.80	9.80	10.00
	Heating	A	20.00	7.80	7.80	7.80	7.90	8.20	8.20
Refrigerant charge volume		kg	4.0	4.0	4.0	4.0	5.0	5.0	5.0
	Sound pressure level (HML)	dB(A)	55/50/46	53/49/45	52/47/41	55/50/46	56/54/49	53/47/41	56/52/46
Indoor unit	Air flow volume(HML)	CFM	1353.55	1412.4	1353.55	1353.55	1765.5	1412.4	1471.25
	ESP	Pa	0	50	0	0	50	0	0
Dimension (WxDxH)	Outline	mm	1700*700*245	1340*750*350	910*910*290	1700*700*245	1340*750*350	910*910*290	1700*700*245
	Package	mm	1828*828*345	1423*837*455	1023*993*375	1828*828*345	1423*837*455	1023*993*375	1828*828*345
Net weight		kg	59.0	56.0	43.0	59.0	57.0	43.0	59.0
	Gross weight	kg	68.0	65.0	50.0	68.0	69.0	50.0	68.0
Panel	Outline	mm	---	---	1040*1040*65	---	---	1040*1040*65	---
	Package	mm	---	---	1137*1137*140	---	---	1137*1137*140	---
Net weight		kg	---	---	8	---	---	8	---
	Gross weight	kg	---	---	12	---	---	12	---
Outdoor unit	Sound pressure level	dB(A)	59	59	59	59	63	63	63
	Outline	mm	958*412*1349	958*412*1349	958*412*1349	958*412*1349	1085*427*1365	1085*427*1365	1085*427*1365
Net weight		kg	104.3X453X1500	104.3X453X1500	104.3X453X1500	104.3X453X1500	1143X478X1505	1143X478X1505	1143X478X1505
	Gross weight	kg	115.0	124.0	124.0	124.0	138.0	138.0	138.0
Connection pipe	Outer diameter	inch/mm	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Max distance	m	30	30	30	30	30	30	30
Loading quantity	40'GP		43	38	43	43	40	38	39
	40'HQ		47	48	50	47	40	48	42

Note

Award and Certification

