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

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

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GC-1409-01

Distributor information

RAC EU 2015

GREE
AIR CONDITIONER



RAC EU 2015
T1 R410A High Energy Efficiency

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

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

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

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

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

For the Clearer Sky and Greener Earth.

1 in **3** air conditioners sold worldwide is made by Gree

مكيفر گازى
مكيف الهواء air conditioner
랭온풍기 エアコン एर कन्डिशनर
空调 climatiseur
acondicionador de aire
ar condicionado

300,000,000 users



No. 1
air conditioner
manufacturer

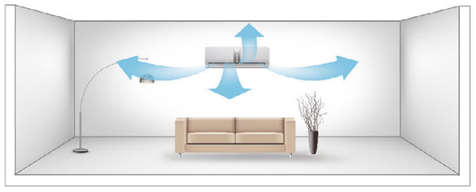


"Turbo" Cooling



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



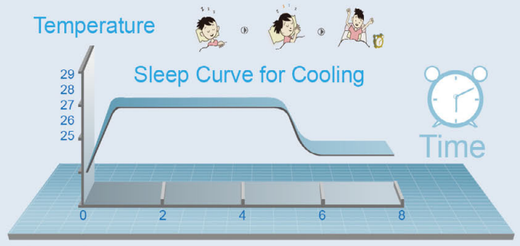
The louver can be vertically or horizontally adjusted so as to maximize comfort in the room.

7 Fan Speeds



From super low to turbo, choose desired air flow.

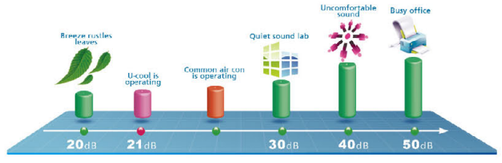
3 Sleep Curves



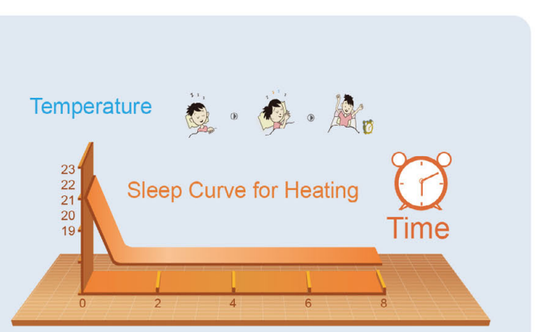
3 Sleep Curves

- 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.

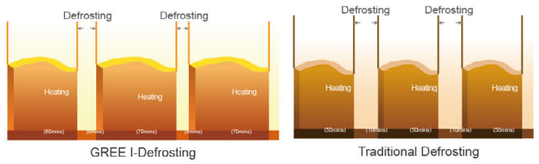
Low Noise



Noise lowers to 21dB, making you feel like staying on the Moon.



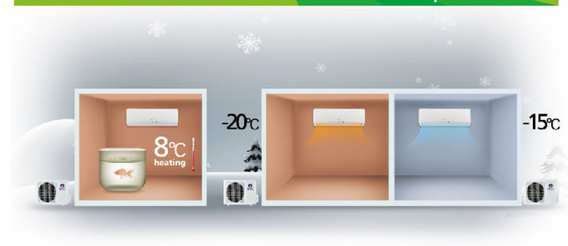
Intelligent Defrosting



GREE I-Defrosting　　Traditional 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℃ Heating

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

■ -15℃ Cooling

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

■ -20℃ Heating

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

Cold Air Prevention

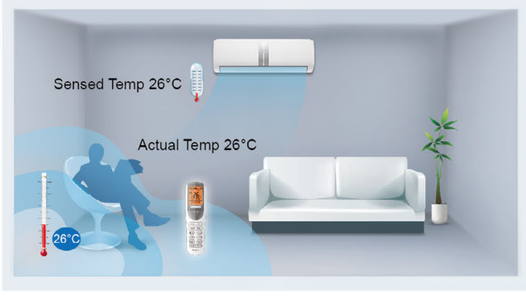
The copper pipe will be heated in advance, so the air will not be blown out before it reaches the set temperature.



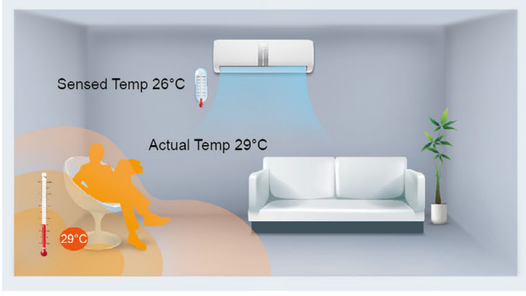
FAN	MODE	−	+	TURBO			CLOCK
Choose fan speed	Change operation mode: Auto, Cool, Dry, Fan, and Heat	Decrease set temperature; hold the button for 2 seconds to decrease set temperature rapidly.	Raise set temperature; hold the button for 2 seconds to raise set temperature rapidly.	For rapid cooling or heating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

I Feel

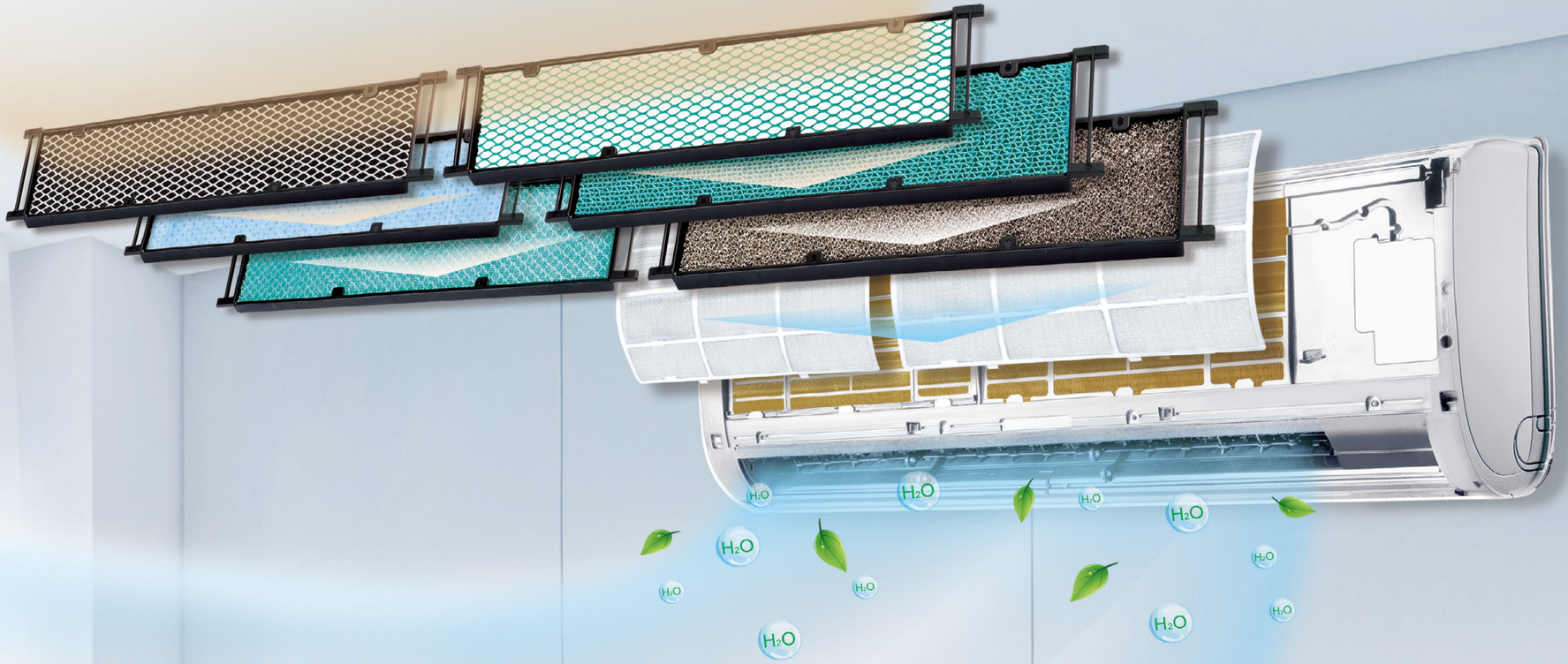
The mini sensor in the remote controller can sense its surrounding temperature, and transmit the signal back to the indoor unit. So the unit can adjust the air flow volume and temperature accordingly so as to provide maximum comfort.



Remoter with I Feel



Remoter 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.

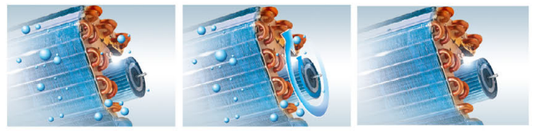


Multi-function Filter

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

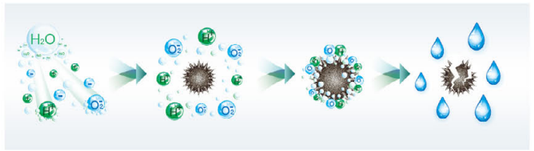
Auto Clean [X-FAN]

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



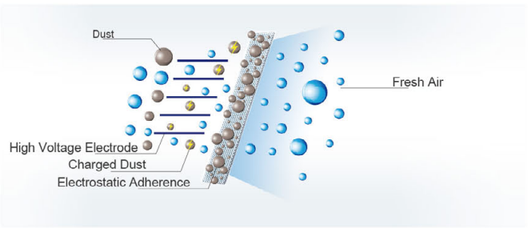
Cold Plasma

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.

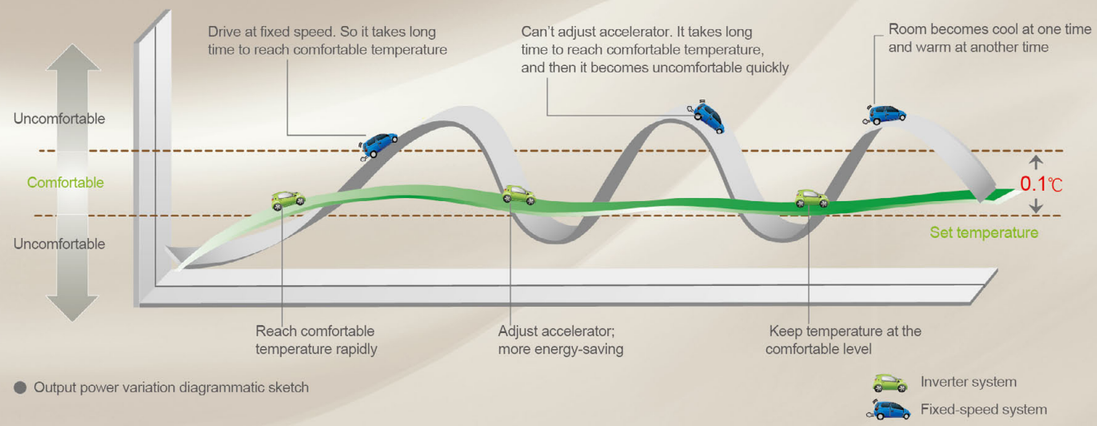


* Notes:Applicable to some selected models

INVERTER



How Inverter Saves Energy




Faster Cooling



Precise Temp Control



Energy Saving



Eco-friendly Refrigerant

G10 Inverter

Ultra low frequency torque control
- Constant temperature
- Energy saving

Environment-friendly R410A refrigerant
- Low-carbon design
- High effciency

Automatic voltage adaptation (150-260V)
- More stability
- Less damage

Hign-speed DSP chip
- Accurate calulation
- Efficient operation

Ultra-low noise control
- Quiet
- Comfortable

High reliability
- Excellent quality
- Superior performance

Wide frequency precise control
- Unceasing operation
- Accurate control

Computer simulation control
- Less fluctuation
- Lower noise

UHF flux-weakening control
- Rapid cooling
- Rapid heating

Power factor correction technology
- Hign efficiency
- Better protection

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

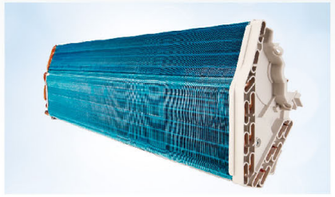

Optimized axial fan design with larger diameter to increse air volume and enhance heat exchange efficiency

Control System



Cutting-edge chip for precise inverter control





Integrated Evaporator

Compact design minimizes IDU size but enhances heat exchange greatly.



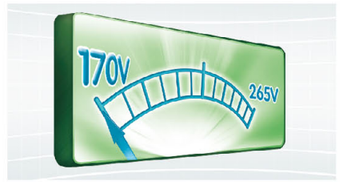
Integrated Design

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



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.



Dual Side Installation

Left or right side water outlet, easy for installation.



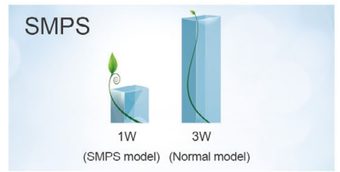
Auto Restart

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



Self-diagnosis

The unit shows error code automatically to facilitate maintenance when it does not work well.



Better PCB protection between 85V-265V.



Probe 18 of EN 61032

Household and similar electrical appliances —Safety



Easy Handle

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



High efficient and Quiet Fan

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



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.



High Temp Resistance PCB

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



2-Stage compressor

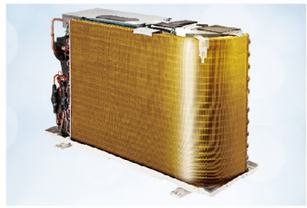
Traditional Compressor

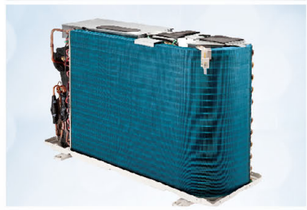




Plastic Casing ODU
Anti-corrosion ODU

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





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.

Products Overview

Series \ Capacity(Btu/h)	7000	9000	11000	12000	16000	18000	21000	22000	24000	28000	30000	36000	42000	48000	60000	Page
Wall-mounted Type																
U-Crown 		●		●		●										17
Hansol 		●		●		●			●							19
Viola 		●		●		●			●							21
Lomo 		●		●		●			●							23
Cozy 		●		●		●			●							25
Change 		●		●		●			●							27
Floor Standing																
Fresh wind 														●	●	29
Portable Type	7000	8000	9000	10000	12000	14000										
Koobe 	●	●														33
Cutee 			●													34
Laffis 				●												35

Series \ Dehumidifying volume	5000	7000	9000	12000	14000	18000	20000	21000	24000	28000	30000	36000	48000	60000	Page
Dehumidifier	8	10	12	14	16	20		24	30						
Fancy 	●	●	●		●										36
Diamond 	●	●													37
Sunny 		●		●		●		●							38
Precise 							●		●						39
Air purifier															
Air purifier 															40
Aqua 															41
Light Commercial	9000	12000	14000	18000	21000	24000	28000	30000	36000	42000	48000	53000	54000	60000	
Console 	●	●		●											42
Free Match3 				●		●	●		●	●					43
Super Free -Match 										●	●	●	●		49
U-match 				●		●		●	●		●			●	55

Function \ Series	U-Crown	Hansol	Viola	Lomo	Cozy	Change
Automatic Operation	●	●	●	●	●	●
Cooling	●	●	●	●	●	●
Heating	●	●	●	●	●	●
Dehumidify	●	●	●	●	●	●
Fan	●	●	●	●	●	●
Wifi Function	●	○				
0.5W standby		●	●	●	●	●
1W standby						
Dred Function						
G10	●				●	●
1Hz Inverter	●					
Energy Saving	●	●	●	●	●	●
ECO						
Sleep Mode	●	●	●	●	●	●
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	●	●	●	●	●	●
Intelligent Preheating	●	●	●	●	●	●
Intelligent Defrosting	●	●	●	●	●	●
Force Defrosting						
8℃ 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	Viola	Lomo	Cozy	Change
Biological sterilization electrostatic filter	○	○	○	○	○	○
Nanoscale photocatalyst deodorization filter	○	○	○	○	○	○
Cold catalyst	○	○	○	○	○	○
Photocatalyst	○	○	○	○	○	○
DL catalyst ozone filter	○	○	○	○	○	○
Electrostatic filter	○	○	○	○	○	○
Silver iron filter	○	○	○	○	○	○
Mite and bacteria filter	○	○	○	○	○	○
Tricolor filter (Vitamin C, etc)	○	○	○	○	○	○
Auto Clean	●	●	●	●	●	●
Fresh Air	●					
Timer	●	●	●	●	●	●
Random auto restart				●		
Low Voltage Startup						
Soft Start	●	●	●	●	●	●
Self Diagnosis	●	●	●	●	●	●
Freon-lacking protection	●	●	●	●	●	●
Low and High voltage Protection	●	●	●	●	●	●
Compressor Electric Heater Function	●	●	●	●	●	●
Chassis Electric Heater Function	●	●	●	●	●	●
-15℃ low ambient cooling		●	●	●	●	●
-18℃ low ambient cooling						
-15℃ low ambient Heating		●	●	●	●	●
-20℃ low ambient Heating		○	○			
-30℃ low ambient Heating	●					
2-Stage compressor	●	○	○	●	●	●
Temperature	●	●	●	●	●	●
Auto Restart	●	●	●	●	●	●
Lock	●	●	●	●	●	●
LED	●	●	●	●	●	●
"Indoor unit matching	●	●	●	●	●	●
for one-to-one and one-to-more"						
Wire controller optional		○				
Ultra-thin design	●					
Double sided drainage	●	●	●	●	●	●

U-CROWN



Timer · Light Function · R410A · Auto Clean · Lock · LED Display · LED remote control · 3.5m connecting pipe · Dehumidifying

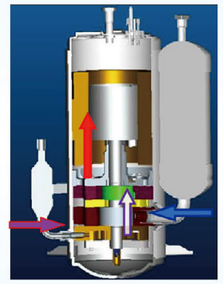
Features: Standard Optional

Wide Ambient Operation Range

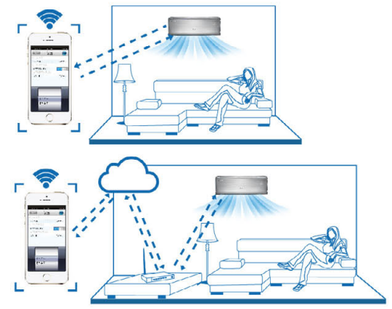
From -30℃ to 54℃ Ultra low ambient heating with 2-stage compressor

Operation sketch map of 2-Stage compressor

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



Wifi-Control

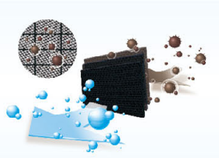


Intense Field Dielectric (IFD)

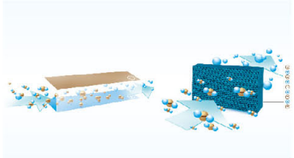
Competent in catching PM2.5



First-stage filtering of PM2.5



Efficient at removing PM 2.5



Model			GWH09UB-K3DNA4F	GWH12UB-K3DNA4F	GWH18UC-K3DNA4F
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000	18000
	Heating	Btu/h	10200	12300	18000
Pdesignh(A)/Pdesignh（C）		Btu/h	9200/9200	10200/10200	17700/18000
SEER/SCOP(A)/SCOP(C)		W/W	7.5/4.6/3.8	7.0/4.6/3.8	6.1/4.0/3.1
Energy Class			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	920	1600
	Heating	W	750	1020	1420
Rated Current	Cooling	A	6.5	6.8	9.1
	Heating	A	6.8	7.1	10.6
Airflow Volume	Indoor	m^3/h	650	720	800
Indoor Unit					
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	56/50/48/46	57/51/49/47	58/54/52/48/45/37/34
Outline Dimension	WxHxD	mm	860×305×170	860×305×170	960x320x205
Package Dimension	WxHxD	mm	935×295×388	935×295×388	1043x333x403
Net Weight/Gross Weight	Indoor	kg	12.5/15	12.5/15	15/18
Sound Pressure Level	Outdoor	dB(A)	62	62	63
Piping Connection	Gas	mm	φ12	φ12	φ12
	Liquid	mm	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	899×596×370	899×596×370	950x700x396
Package Dimension	WxHxD	mm	948×645×420	948×645×420	1029x750x458
Net Weight/Gross Weight	Outdoor	kg	43/46	43/46	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 works when Cooling



Extra inner louver is concealed when Heating

G10 Inverter Optional

- G10 Technology
- Automatic Operation
- LED Display
- Intelligent Defrosting
- 3D Airflow
- Clock Display
- 8 °c Heating
- 3 Sleep Curves
- Cold Air Prevention
- Quiet Design
- Timer
- 'Turbo' Button
- Self-diagnosis
- Auto Restart
- Lock
- I Feel
- Overlong Distance Air Flow
- Auto Clean
- -20°C Heating
- Electrostatic Dedusting
- Healthy Filters
- Cold Plasma
- -15°C Cooling
- 1 W Standby
- Two-stage Compressor

Features: Standard Optional

INVERTER

Model			GWH09TA-S3DNA1D	GWH09TB-S3DNA1D	GWH12TB-S3DNA1D	GWH18TC-S3DNA1D	GWH24TD-S3DNA1D
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling(pdc)	Btu/h	8530	8871	11942	18000	24000
	Heating	Btu/h	9383	10236	12454	18420	24900
	Pdesignh(A)/ Pdesignh（C）	Btu/h	9215/9215	9383/11942	12966/18425	18420/18420	24000/24000
SEER/SCOP(A)/SCOP(C)		W/W	7.0/4.0/2.6	8.5/5.1/2.8	7.0/4.6/2.8	6.4/4.0/3.2	6.2/4.0/2.9
Energy Class			A++/A+/D	A+++/A+++/C	A++/A++/C	A++/A+/B	A++/A+/C
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	Cooling	W	650	600	900	1514	2000
	Heating	W	685	700	895	1450	1957
Rated Current	Cooling	A	5.6	4.8	6.4	11.84	16.4
	Heating	A	6.1	7	7.4	12.08	16.4
Airflow Volume	Indoor	m^3/h	550	770	770	950	1200
Indoor Unit							
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	55 /50/48/46	59/51/49/47	59/51/49/47	60/58/56/54/52/50/48	65/63/60/58
Outline Dimension	WxHxD	mm	816X292X209	866X292X209	866X292X209	1018X319X230	1178x326x264
Package Dimension	WxHxD	mm	888X297X377	945X297X377	945X297X377	1097X340X397	1256 x414x364
Net Weight/Gross Weight	Indoor	kg	10.5/13.5	11.0/14.0	11.0/14.0	14/17.5	17.5/21.5
Outdoor Unit							
Sound Power Level	Outdoor	dB(A)	62	63	63	65	58
Piping Connection	Gas	mm	φ9.52	φ9.52	φ9.52	φ16	φ16
	Liquid	mm	φ6	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848X540X320	899X596X378	899X596X378	955X700X396	980 x790x427
Package Dimension	WxHxD	mm	881X595X363	948X645X420	948X645X420	1029X750X458	1083 x488x855
Net Weight/Gross Weight	Outdoor	kg	36/40	43/48	43/47	47.5/52	65/70
Loading Quantity	40'GP	sets	188	166	166	119	84
	40'HQ	sets	218	186	186	135	104

For North Europe

Model			GWH09TB-S3DBA3E	GWH12TB-S3DBA3E	GWH18TC-S3DBA3E	GWH24TD-S3DBA3E
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling(pdc)	Btu/h	9212	11942	18000	24000
	Heating	Btu/h	9554	12454	18600	24000
	Pdesignh(A)/ Pdesignh（C）	Btu/h	9212/13648	11942/17401	18420/18420	24000/24000
SEER/SCOP(A)/SCOP(C)		W/W	8.5/5.1/3.4	7.8/4.6/3.2	6.5/4.0/3.3	6.2/4.0/3.3
Energy Class			A+++/A+++/A	A++/A++/B	A++/A+/B	A++/A+/B
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	Cooling	W	600	890	1510	2000
	Heating	W	610	900	1465	1890
Rated Current	Cooling	A	5.1	5.76	11.8	16.4
	Heating	A	8.43	8.43	12.0	16.4
Airflow Volume	Indoor	m^3/h	720	740	950	1200
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	57/50/46/38	59/50/46/38	60/58/56/54	65/63/60/58
Outline Dimension	WxHxD	mm	866x292x209	866x292x209	1018X319X230	1178x326x264
Package Dimension	WxHxD	mm	945X297X377	945X297X377	1097X340X397	1256 x414x364
Net Weight/Gross Weight	Indoor	kg	11/14	11/14	14/17.5	17.5/21.5
Outdoor Unit						
Sound Power Level	Outdoor	dB(A)	63	65	65	58
Piping Connection	Gas	mm	φ12	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	45.5/49.5	45.5/49.5	51/55.5	69/74
Loading Quantity	40'GP	sets	166	166	119	84
	40'HQ	sets	186	186	135	104

Viola Series

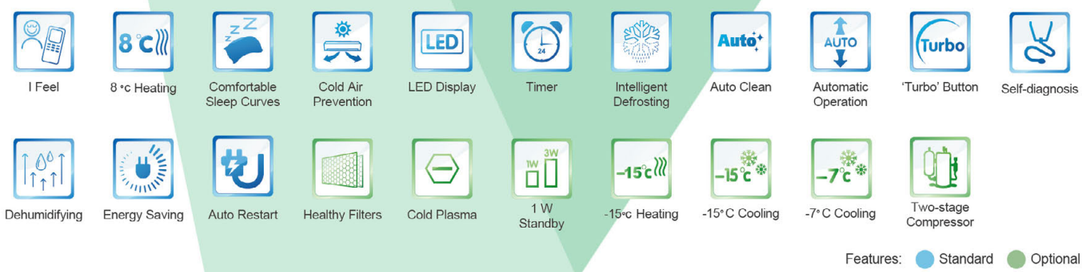


Colorful Curve Design

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-K3DNA3C	GWH12RB-K3DNA3C	GWH18RC-K3DNA3C	GWH24RD-K3DNA3C
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000	18000	22000
	Heating	Btu/h	9500	12500	18000	22000
	Pdesignh(A)/ Pdesignh (C)	Btu/h	9000	12000	18083	22000
SEER/SCOP(A)/SCOP(C)		W/W	6.4/6.0	6.4/3.8	5.6/3.8	5.8/3.8
Energy Class			A++/A+	A++/A	A+/A	A+/A
Power Supply		Ph,V,Hz	1PH,220-240,50HZ	1Ph,220-240V,50Hz	1Ph,220-240v,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	720	1100	1620	1940
	Heating	W	720	1100	1600	1910
Rated Current	Cooling	A	3.5	5	10.87	12.5
	Heating	A	5.2	5.2	10.87	13.85
Airflow Volume	Indoor	m^3/h	600	600	850	1000
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH-H-M-L)	58/49/44/38	58/50/46/38	57/53/44/38	65/60/58/55
Outline Dimension	WxHxD	mm	845x275x180	845x275x180	945x298x208	1018x315x223
Package Dimension	WxHxD	mm	926x371x267	926x371x267	1013x383x300	1086x398x328
Net Weight/Gross Weight	Indoor	kg	10/12	10/12	13/17	15.5/19
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	63	63	65	70
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	16
	Liquid	mm	φ6	φ6	φ6	6
Outline Dimension	WxHxD	mm	776x540x320	848x540x320	955x700x396	980x790x427
Package Dimension	WxHxD	mm	851x595x363	878x580x360	1029x750x458	1080x840x485
Net Weight/Gross Weight	Outdoor	kg	30/32	33/35	46/51	62/67
Loading Quantity	40'GP	sets	216	211	127	95
	40'HQ	sets	246	246	147	113

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	8871	11942	17504	22860
	Heating	Btu/h	9553	12522	17998	24737
	Pdesignh	Btu/h	8871/8871	10236/10236	13989/21154	21836/21836
SEER/SCOP（A）		W/W	6.10/4.0/3.2	6.10/4.0/3.2	6.10/4.0/3.1	6.3/4.0/2.8
Energy Class			A++/A++	A++/A++	A++/A+	A++/A+
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	1084	1580	1875
	Heating	W	755	989	1410	1945
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)(SH/H/M/L)	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	1078×325×246
Package Dimension	WxHxD	mm	866×367×271	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

- 0.5W Standby
- Comfortable Sleep Curves
- Cold Air Prevention
- LED Display
- Timer
- Intelligent Defrosting
- Auto Clean
- 'Turbo' Button
- Self-diagnosis
- Dehumidifying
- Auto Restart
- Intelligent Auto Restart
- Healthy Filters
- Cold Plasma
- I Feel
- Energy Saving
- 8 °c Heating

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			GWH09MB-K3DNE3G	GWH12MB-K3DNE3G	GWH18MC-K3DNE3G	GWH24MD-K3DNE3G
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8871	11942	18000	22000
	Heating	Btu/h	10236	13648	19790	24000
	Pdesignh	Btu/h	9553.6/12965.6	10918.4/13648	15354/21154.4	19789.6/24566.4
SEER/SCOP (A)		W/W	6.1/4.0	6.1/4.0	6.1/4.0	6.0/4.0
Energy Class			A++/A+	A++/A+	A++/A+	A+/A++
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	1170	1625	2180
	Heating	W	900	1200	1760	2220
Rated Current	Cooling	A	6	6.5	11.8	9.76
	Heating	A	6.5	7	11.8	12.4
Airflow Volume	Indoor	m^3/h	600/500/400/300	600/500/400/300	850/780/650/550	1000/800/700/550
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/ML)	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	1007×315×219
Package Dimension	WxHxD	mm	918×370×258	918×370×258	1013×383×300	1076×398×328
Net Weight/Gross Weight	Indoor	kg	9/12	9/12	13/16	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	28/32	29/33	45/49.5	55/60
Loading Quantity	40'GP	sets	215	215	127	91
	40'HQ	sets	244	244	149	113

G10 Inverter

- 1 W Standby
- I Feel
- LED Display
- Intelligent Defrosting
- 8 °c Heating
- Sleep Mode
- Cold Air Prevention
- Timer
- 'Turbo' Button
- Self-diagnosis
- Auto Clean
- Dehumidifying
- Energy Saving
- Auto Restart
- Healthy Filters
- Cold Plasma

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.

Model			GWH09KF-K3DNA6G	GWH12KF-K3DNA6G	GWH18KG-K3DNA6G	GWH24KG-K3DNA6G
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8871	11942	17999.665	22007.4
	Heating	Btu/h	9553.6	12965.6	19004.84	23884
	Pdesignh	Btu/h	8871.2/8871.2	9212.4	16377.6/16377.6	19789.6/24566.4
SEER/SCOP (A)		W/W	5.6/4.0	5.6/4.0	5.6/4.0	5.6/4.0
Energy Class			A+/A++	A+/A++	A+/A++	A+/A+
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	1150	1675	2180
	Heating	W	900	1100	1750	2220
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	600/520/370/280	680/560/410/300	800/680/560/460	1000/800/700/550
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/ML)	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	1007×315×219
Package Dimension	WxHxD	mm	847×345×276	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
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	55.5/60.5
Loading Quantity	40'GP	sets	228	228	131	91
	40'HQ	sets	258	258	149	113

G10 Inverter

- 1 W Standby
- LED Display
- Intelligent Defrosting
- Sleep Mode
- 'Turbo' Button
- Cold Air Prevention
- Self-diagnosis
- Auto Clean
- Timer
- Auto Restart
- Dehumidifying
- Energy Saving
- Healthy Filters
- Cold Plasma
- I Feel

Features: Standard Optional

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

Timer
'Turbo' Button
Automatic Operation
LED Display
Intelligent Defrosting
Auxiliary Heating
Clock Display
Auto Clean
Comfortable Sleep Mode
Cold Air Prevention
3D Airflow
Self-diagnosis
Auto Restart
Lock
Fresh Air Supply Ventilation

Features: Standard Optional

Model			GVA48AD-M3NNA9C	GVH48AH-M3DNA5A
Function			Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	40944	40950
	Heating	Btu/h	47768	46400
EER/C.O.P		W/W	2.41/2.81	3.00/3.24
Power Supply		Ph,V,Hz	3Ph,380-415V,50Hz	3Ph,380-415V,50/60Hz
Power Input	Cooling	W	4980	4000
	Heating	W	4980	4200
Rated Current	Cooling	A	13	10.8
	Heating	A	13	10.8
Airflow Volume	Indoor	m^3/h	1800	1850
Indoor Unit				
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	54/52/50/48	65/63/61/58
Outline Dimension	WxHxD	mm	581×1870×395	581x1870x395
Package Dimension	WxHxD	mm	2113×515×738	738x2083x545
Net Weight/Gross Weight	Indoor	kg	62/88	58/84
Outdoor Unit				
Sound Power Level	Outdoor	dB(A)	59	70
Piping Connection	Gas	mm	φ19	φ16
	Liquid	mm	φ12	φ9.52
Outline Dimension	WxHxD	mm	1018×840×412	1107×460×1100
Package Dimension	WxHxD	mm	1103×1000×453	1158×483×1235
Net Weight/Gross Weight	Outdoor	kg	74/84	94/105
Loading Quantity	40'GP	sets	41	31
	40'HQ	sets	49	38

Model			GVA60AH-M3NNA5A
Function			Cooling/Heating
Capacity	Cooling	Btu/h	52988
	Heating	Btu/h	64828
EER/C.O.P		W/W	2.51/2.91
Power Supply		Ph,V,Hz	3Ph,380-415V,50/60Hz
Power Input	Cooling	W	6190
	Heating	W	6530
Rated Current	Cooling	A	16.5
	Heating	A	15.2
Airflow Volume	Indoor	m^3/h	2000
Indoor Unit			
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	54/52/50/47
Outline Dimension	WxHxD	mm	581X1870X395
Package Dimension	WxHxD	mm	738x2083x545
Net Weight/Gross Weight	Indoor	kg	63/69
Outdoor Unit			
Sound Power Level	Outdoor	dB(A)	63
Piping Connection	Gas	mm	φ19
	Liquid	mm	φ12
Outline Dimension	WxHxD	mm	1032x1250x412
Package Dimension	WxHxD	mm	1113X453X1400
Net Weight/Gross Weight	Outdoor	kg	117/128
Loading Quantity	40'GP	sets	35
	40'HQ	sets	40

Portable Accessory





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.

Timer | Comfortable Sleep Curves | Automatic Operation | Self-diagnosis | Dehumidifying | LED Display | 0.5 W Standby | Healthy Filters

Features: Standard Optional

Model			GPC07AH-K3NNC3D	GPC08AH-K3NNC3D	GPC09AH-K3NNC3D
Function			Cooling	Cooling	Cooling
Capacity	Cooling	Btu/h	7000	8000	9000
	Heating	Btu/h	-	-	-
EER/C.O.P		W/W	2.6	2.6	2.6
Energy Class			A	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	1010
	Heating	W	-	-	-
Rated Current	Cooling	A	4.9	4.6	5.8
	Heating	A	-	-	-
Airflow Volume	Indoor side	m^3/h	330/300/250	330/300/250	330/300/250
Sound Prower Level	Indoor side	dB(A)(H/M/L)	54/52/50	54/52/50	56/54/52
Outline Dimension	WxHxD	mm	300×807×375	300×800×355	300×790×345
Package Dimension	WxHxD	mm	565×355×850	355×850×565	565×355×850
Net Weight/Gross Weight		kg	24/28	24/28	27/31
Loading Quantity	40'GP	sets	264	264	264
	40'HQ	sets	396	396	398

Cutee Series

Portable Type





Color Band Design

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

Timer | Comfortable Sleep Curves | Automatic Operation | Self-diagnosis | Dehumidifying | LED Display | 0.5 W Standby

Features: Standard Optional

Model			GPC09AI-K3NNC6D
Function			Cooling
Capacity	Cooling	Btu/h	9000
	Heating	Btu/h	-
EER/C.O.P		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	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

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.

Sleep Mode · Automatic Operation · Self-diagnosis · Timer · LED Display · Cold Air Prevention · Auto Clean · Dehumidifying · 0.5 W Standby · Cold Plasma

Features: Standard Optional

Model			GPC12AJ-K3NNA1D	GPH12AJ-K3NNA1D
Function			Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	12000	12000
	Heating	Btu/h	-	12000
EER/C.O.P		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	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

Fancy Series

Dehumidifier





Large Button Design

User-friendly for operation.

Convenient Handle

Convenient controlment
Flexible movement

1 W Standby · Timer · Auto Restart · Water Overflow Protection · Filter Cleaning Reminder · Self-diagnosis · Humidity Display · Healthy Filters

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
Power Current	A	1.1	1.1	1.1	1.3
Rate Current	A	1.1	1.1	1.4	1.6
Airflow Volume	m^3/h	100	100	100/80	115/100
Sound Power 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
Loading Quantity (40'HQ)	sets	1250	1250	1250	1250

Diamond 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.

0.5 W Standby · External Drain Connector · Water Overflow Protection · Filter Cleaning Reminder · Self-diagnosis · Healthy Filters

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	200	200
Power Current	A	0.87	0.87
Rate Current	A	1.10	1.1
Airflow Volume	m^3/h	100	100
Sound Power 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	10/10.5	10.5/12.5
Loading Quantity (40'GP)	sets	1280	1280
Loading Quantity (40'HQ)	sets	1598	1598

Sunny Series

Dehumidifier



Consecutive Drainage Function

Free of the hassle of pouring water away yourself.

5℃ Low Temperature Operation

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

0.5 W Standby · Water Full Indicator · Self-diagnosis · External Drain Connector · Healthy Filters · Real-time Display of Ambient Humidity · Water Level Display · Water Overflow Protection · Filter Cleaning Reminder

Features: Standard Optional

Model		GDN10AH-K4EBB2C	GDN12AH-K4EBB2C	GDN16AH-K4EBB2C	GDN20AH-K4EBB2C	GDN24AH-K4EBB2C
Dehumidifying Volume	L/D	10	12	16	20	24
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	250	250	300	330	330
Power Current	A	1.1	1.1	1.4	1.5	1.5
Rated Current	A	1.4	1.4	1.8	2.0	2.1
Airflow Volume	m^2/h	150/120/100	150/120/100	180/160/140	180/160/140	180/160/140
Sound Pressure Level	dB(A)	43/41/39	43/41/39	45/43/41	45/43/41	47/45/43
Water Tank Volume	L	4.0/4.6	4.0/4.6	4.0/4.6	4.0/4.6	4.0/4.6
Outline Dimension (WxHxD)	mm	343×525×262	343×525×262	343×525×262	343×525×262	343×525×262
Package Dimension (WxHxD)	mm	394×313×584	394×313×584	394×313×584	394×313×584	394×313×584
Operation Mode		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
Loading Quantity (40'GP)	sets	871	871	871	871	871
Loading Quantity (40'HQ)	sets	872	872	872	872	872

Precise Series

Dehumidifier





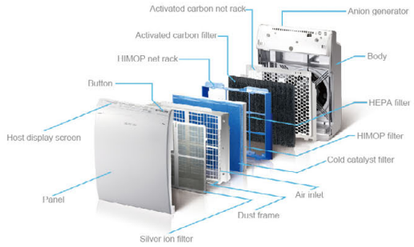
0.5 W Standby | External Drain Connector | Water Overflow Protection | Filter Cleaning Reminder | Self-diagnosis | Healthy Filters

Features: Standard Optional

Model		GDN20AQ-E4EBA1A	GDN24AQ-E4EBA1A
Dehumidifying Volume	L/D	20	24
Power Supply	Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	W	260	280
Rated Current	A	1.30	1.30
Rated Current	A	1.60	1.50
Airflow Volume	m^3/h	185/165/145	185/165/145
Sound Pressure Level	dB(A)(H/L)	48/46/44	48/46/44
Water Tank Volume	L	3.6/4.2	3.6/4.2
Outline Dimension (WxHxD)	mm	351×492×260	351×492×260
Package Dimension (WxHxD)	mm	407×530×329	407×530×329
Oceration Mode		electronic	electronic
Net Weight/Gross Weight	kg	15/17	15/17
Loading Quantity (40'GP)	sets	812	812
Loading Quantity (40'HQ)	sets	1013	1013

Air Purifier





HEPA High Efficiency Dedusting Filter

Eliminate 99.97% of dust and almost 100% of cigarette.

HIMOP Odor-free Filter

Focus on absorption of formaldehyde and other hazardous odor.

Anions Generating Function

1,200,000-1,400,000 anions per cubic centimeter are generated under turbo mode.

Timer | Sleep Mode | Independently Control De-odor | LED Display | Auto Detect Air Quality of Environment and Adjust the Fan Speed | Healthy Filters | Odor&Dust Sensor with Red-orange-green Color Light | Filter Cleaning Montior (2000h used) | Filter Changed Montior (480h used) | Auto Restart | Lock

Features: Standard Optional

Model		GCF300CKNA
Power Supply		1Ph,220-240V,50Hz
Function		Filter type
Power Input	W	95
Rated Current	A	0.28
Airflow Volume	m^3/h	0.42
Recommend Area	m^2	300/230/150/75
Sound Pressure Level	T/H/L/M	15
CADR	m^3/h	53/48/38/28
Humidifying Volume	m^3/h	180
Outline Dimension (WxHxD)	mm	-
Package Dimension (WxHxD)	mm	396×576×245
Net Weight/Gross Weight	kg	446×615×300
Loading Quantity (40'GP)	sets	733
Loading Quantity (40'HQ)	sets	796

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.

Timer | Sleep Mode | Independently Control De-odor | LED Display | Auto Detect Air Quality of Environment and Adjust the Fan Speed | Multi Speeds | Odor&Dust Sensor with Red-orange-green Color Light | Filter Cleaning Montior (2000h used) | Filter Changed Montior (480h used) | Auto Restart | Lock

Features: Standard Optional

Model		GCS260BKNA	GCC240BKNA	GCF220BKNA
POWER SUPPLY		1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
FUNCTION		Filter+Electrostatic	Filter+Electrostatic	Filter+Electrostatic
Power Input	W	55	58	58
Rated Current	A	0.24	0.25	0.25
Airflow Volume	m^3/h	220/180/150/80	240/200/160/80	260/200/160/80
Recommend Area	m^3	12-18	15-22	15-22
Sound Pressure Level	H/L/M/S	48/44/38	48/42/35	48/42/32
CADR	m^3/h	120	160	200
Humidifying Volume	m^3/h	350	380	400
Outline Dimension	mm	385×608×278	385×608×278	385×608×278
Package Dimension	mm	433×679×318	433×679×318	433×679×318
Net weight/Gross Weight	kg	11/13	11/13	11/13
Loading Quantity (40'GP)	sets	576	576	576
Loading Quantity (40'HP)	sets	768	768	768

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.

LED Display | Intelligent Defrosting | 8 °c Heating | Sleep Curves | Cold Air Prevention | Quiet Design | Timer | Auto Clean | Automatic Operation | 'Turbo' Button | Dehumidifying

Low Voltage Startup | Self-diagnosis | I Feel | Healthy Filters | Cold Plasma | Energy Saving

Features: Standard Optional

INVERTER

Model			GEH09AA-K3DNA1B	GEH12AA-K3DNA1B	GEH18AA-K3DNA1B
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8871	11942	18000
	Heating	Btu/h	9383	13648	18766
	Pdesignh	Btu/h	9383	9554	15354
SEER/SCOP(A)		W/W	5.6/3.8	5.6/3.8	5.6/3.8
Energy Class			A+/A	A+/A	A+/A
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	760	1080	1630
	Heating	W	910	1108	1520
Rated Current	Cooling	A	6.74	7.39	10.87
	Heating	A	6.74	7.39	10.87
Airflow Volume	Indoor	m^3/h	500	600	650
Indoor Unit					
Sound Power Level	Indoor	dB(A)(SH/H/HM /M/ML/L/SL)	52/50/45/40	54/52/49/42	59/57/53/47
Outline Dimension	WxHxD	mm	700x600x215	700x600x215	700x600x215
Package Dimension	WxHxD	mm	788x697x283	788x697x283	788x697x283
Net Weight/Gross Weight	Indoor	kg	15/18	15/18	15/18
Outdoor Unit					
Sound Power Level	Outdoor	dB(A)	61	62	64
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12
	Liquid	mm	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848x540x320	848x540x320	955X700X396
Package Dimension	WxHxD	mm	881x595x363	881x595x363	1029X750X458
Net Weight/Gross Weight	Outdoor	kg	33/37	33/37	49/54
Loading Quantity	40'GP	sets	165	165	121
	40'HQ	sets	190	190	133

Free Match 3+ Series

INVERTER
Consumes less energy, more comfort



Various Combinations

Different units for choices, the same comfortable feeling for you.

G10 Inverter Technology

Lower power consumption
Lower noise, more comfort
Precise temperature control

-15°C Low Temperature Operation

Operate finely when cooling at -15°C .

Btu/h	7000	8000	9000	12000	18000	21000	24000
Wall-mounted Type							
Floor ceiling							
Cassette							
Duct type							

8 combinations



GWHD(14)NK3FO

One unit	Two units	
7K	7K+7K	7K+9K
9K	7K+12K	9K+9K
12K	9K+12K	-

10 combination



GWHD(18)NK3KO

Two units		
7k	7k+7k	7k+9k
9k	7k+12k	7k+18k
12k	9k+9k	9k+12k
-	12k+12k	-
-	-	-

10 combination



GWHD(24)NK3KO

Two 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(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+12K+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+7K+21K	7K+9K+9K+12K	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



GWHD(42)NK3AO

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

Outdoor Unit

Model			GWHD(14)NK3DO	GWHD(18)NK3KO	GWHD(21)NK3KO	GWHD(24)NK3KO	GWHD(28)NK3KO	GWHD(36)NK3BO	GWHD(42)NK3AO
Capacity	Cooling	Btu/h	14000	18000	21000	24000	28000	35826	41285
	Heating	Btu/h	14000	18000	21000	24000	28000	37532	44400
SEER		W/W	6.1	6.1	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	1.55	1.91	2.18	2.54	3.5	3.59
	Heating	kW	1.10	1.42	1.65	1.89	2.20	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^3/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	899X596X378	955X396X700	955X396X700	980X427X790	980X427X790	1015×440×1103	1015×440×1103
	Package	mm	948×645×420	1029×458×750	1029×458×750	1083×488×855	1083×488×855	1158×493×1235	1158×493×1235
Net weight/Gross weight		kg	43/47	50/55	51/56	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)
	WxHxD	inch(mm)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)
Max. equivalent connection pipe length		m	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	48/48	48/48

Hansol



Model			GWH(09)TA-K3DNA1E/I	GWH(12)TB-K3DNA1E/I	GWH(18)TC-K3DNA1E/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8530(2500W)	11942(3500W)	18084(5300W)
	Heating	Btu/h	9383(2750W)	12454(3650W)	19107(5600W)
	Pdesignh	Btu/h	-	-	-
Airflow Volume		m^3/h	550	770	950
Sound Pressure Level dB (A)		dB(A)(SH-HML)	41/36/32/24	43/39/32/24	49/44/39/33
Outline Dimension	WxHxD	mm	816×292×209	866×292×209	1018X319X230
Package Dimension	WxHxD	mm	888×377×297	945×377×297	1097X397X340
Net Weight /Gross Weight		kg	10.5/13	11/13.5	15/18.5
Loading Quantity	40'GP	sets	591	566	381
	40'HQ	sets	669	640	442

U-cool



Model			GWH(07)UA-K3DNA1B/I	GWH(09)UA-K3DNA1B/I	GWH(12)UB-K3DNA1B/I	GWH(18)UC-K3DNA1B/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	7165	7165	11942	18084
	Heating	Btu/h	8871	8871	12966	19790
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Air flow volume		m^3/h	450/420/380/330/300/280	450/420/380/330/300/280	560/440/400/350/320/300/280	850/800/750/680/600/550/450
		CFM	265/247/224/194/177/165	265/247/224/194/177/165	330/259/235/206/188/177/165	500/471/441/400/353/324/265
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	37/35/32/30/28/26/25	38/35/32/30/28/26/25	39/37/34/31/29/27/26	44/40/37/35/33/31/30
Connecting pipe	Gas	inch(mm)	3/8(φ9.52)	3/8(φ9.52)	3/8(φ9.52)	1/2(φ12)
	Liquid	inch(mm)	1/4(φ6)	1/4(φ6)	1/4(φ6)	1/4(φ6)
Dimension(W×D×H)	Outline	mm	860×153×299	860×153×299	896×159×320	998×178×340
	Package	mm	944×247×386	944×247×386	973×255×403	1083×283×428
Net Weight/Gross weight		kg	9.5/12.5	9.5/12.5	10.0/13.0	14.0/17.0
Loading quantity	20'GP	sets	326	326	293	216
	40'GP/40'HQ	sets	666/776	666/776	612/678	443/498

Lomo



Model			GWH(07)QB-K3DNA1A/I	GWH09QB-K3DNA1G/I	GWH12QC-K3DNA1G/I	GWH18QD-K3DNA1G/I
Capacity	Cooling	Btu/h	7200	9000	12000	17500
	Heating	Btu/h	8900	9600	12500	18000
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Air flow volume		m^3/h	500/420/400/300	560	660	800
		CFM	294.25/247.17/235.4/176.55	330	388	470.8
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	40/37/35/32	39/36/32/26	42/39/33/26	46/42/39/35
Connecting pipe	Gas	inch(mm)	3/8(φ9.52)	3/8(φ9.52)	3/8(φ9.52)	1/2(φ12)
	Liquid	inch(mm)	1/4(φ6)	1/4(φ6)	1/4(φ6)	1/4(φ6)
Dimension(W×D×H)	Outline	mm	790×200×275	790×200×275	845×209×289	970×224×300
	Package	mm	866×271×367	866×271×367	921×281×379	1041×320×383
Net Weight/Gross weight		kg	9/11.5	9/11	10/12	13.5/16.5
Loading quantity	20'GP	sets	332	332	300	230
	40'GP/40'HQ	sets	692/804	692/804	606/728	487/557

Cozy



Model			GWH09MB-K3DNE3G/I	GWH12MB-K3DNE3G/I	GWH18MC-K3DNE3G/I
Capacity	Cooling	Btu/h	9000	12000	18000
	Heating	Btu/h	10200	13600	19800
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow Volume		m^3/h	600	600	850
		CFM	353	353	500
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	41/39/34/28	42/40/35/30	45/43/37/33
Connecting pipe	Gas	inch(mm)	3/8(φ9.52)	3/8(φ9.52)	1/2(φ12)
	Liquid	inch(mm)	1/4(φ6)	1/4(φ6)	1/4(φ6)
Dimension(W×D×H)	Outline	mm	845×180×275	845×180×275	940×200×298
	Package	mm	918×370×258	918×370×258	1013×300×383
Net Weight/Gross weight		kg	9/11	9/11	13/16
Loading quantity	20'GP	sets	318	318	248
	40'GP/40'HQ	sets	798/884	798/884	539/807

Viola



Model			GWH(07)RA-K3DNA1E/I	GWH09RB-K3DNA3C/I	GWH12RB-K3DNA3C/I	GWH18RC-K3DNA3C/I	GWH24RD-K3DNA3C/I
Capacity	Cooling	Btu/h	7200	9000	12000	18000	22000
	Heating	Btu/h	8900	10200	12500	18000	22000
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	500/420/400/300	600/500/400/300	600/500/400/300	850/780/740/300	1000/800/700/600
		CFM	294.25/247.17/235.4/176.55	353.1/294.25 /235.4 /176.55	353.1/294.25 /235.4 /176.55	500/459/435/177	588/471/412/353
Sound Pressure Level dB (A)		dB(A)	40/37/35/32	40/34/30/23	42/35/32/23	45/40/37/33	50/44/39/35
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×D×H)	Outline	mm	794×186×265	848×189×274	848×189×274	945×298×208	1018×315×223
	Package	mm	873×258×365	926×371×267	926×371×267	1013×300×383	1086×398×328
Net Weight /Gross Weight		kg	9/11.5	10/12	10/12	13/17	15.5/19
Loading Quantity	40'GP	sets	348	312	312	248	206
	40'HQ	sets	720/840	643/749	643/749	539/607	430/491

Change



Model			GWH(07)KF-K3DNA6E/I	GWH09KF-K3DNA6G/I	GWH12KF-K3DNA6G/I	GWH18KG-K3DNA6G/I
Capacity	Cooling	Btu/h	8900	9000	12000	18000
	Heating	Btu/h	9600	9600	13000	19000
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Air flow volume		m^3/h	600/520/370/280	600/520/370/280	680/560/410/300	800/680/560/460
		CFM	353.1/306.02/217.745/164.78	353.1/306.02/217.745/164.78	400.18 /329.56 /241.285 /176.55	470.8 /400.18 /329.56 /270.71
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	41/38/30/24	41/38/30/24	42/39/31/25	45/40/37/32
Connecting pipe	Gas	inch(mm)	3/8(φ9.52)	3/8(φ9.52)	3/8(φ9.52)	1/2(φ12)
	Liquid	inch(mm)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)
Dimension(W×D×H)	Outline	mm	770×201×283	770×283×201	770×283×201	865×305×215
	Package	mm	847×276×347	847×276×347	847×276×347	948×310×383
Net Weight /Gross Weight		kg	8/10	8/9.5	9/10.5	12/15
Loading Quantity	40'GP/40'HQ	sets	700/786	700/786	700/786	542/616

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		m^3/h	450	500	700	1000	1000
		CFM	264.825	294.25	411.95	588.5	588.5
Sound pressure level(SH/H/MH/M/ML/L/SL)		dB(A)	37/31	39/32	41/33	42/34	42/34
Connecting pipe	Gas	inch(mm)	3/8(φ9.52)	3/8(φ9.52)	3/8(φ9.52)	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			m^3/h	600	600	1180
			CFM	353	353	694.43
Sound pressure level			dB(A)	56/52/46/42	56/52/46/42	49/45/39/35
	Gas		inch(mm)	3/8(φ9.52)	3/8(φ9.52)	3/8(φ9.52)
	Liquid		inch(mm)	1/4 (φ6)	1/4 (φ6)	1/4 (φ6)
Main body	Dimention (W×D×H)	Outline	mm	570×570×230	570×570×230	840×840×240
		Package	mm	851×731×325	851×731×325	963×963×325
	Net Weight/Gross weight		kg	18/23	18/23	38/40
Panel	Dimention (W×D×H)	Outline	mm	650×650×50	650×650×50	950×950×60
		Package	mm	733×673×117	733×673×117	1043×1028×130
	Net Weight/Gross weight		kg	2.5/3.5	2.5/3.5	6.5/10
Loading quantity		40'GP/40'HQ	sets	209/246	209/246	108/128

Floor Ceiling Type Indoor Unit



Model			GTH(09)BA-K3DNA1A/I	GTH(12)BA-K3DNA1A/I	GTH(18)BA-K3DNA1A/I	GTH(24)BA-K3DNA1A/I
Capacity	Cooling	Btu/h	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		m^3/h	600	650	950	1250
		CFM	353	382	559	735
Sound pressure level (SH/H/MH/M/ML/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(WxHxD)	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	102	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	U-Cool	Viola	Lomo	Cozy	Change			
	YAA1FB1			●							
	YAA1FB				●						
	YB1FA(XFAN)						●				
	YB1F2(XFAN)							●			
	YN1F1(XFAN)					●					
	YAG1FB		●								
	YT1F(MOTO)								●	●	●
	XK19								●	●	●
Centralized controller	CE50-24E								●	●	●

* Parameters of U-cool and Console are not available now.

Super Free Match

INVERTER R410A

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



42000BTU/h，48000BTU/h，56000BTU/h



FXA2A-K; FXA2B-K
FXA3A-K; FXA3B-K



FXB3A-K
FXB5A-K

High efficiency
Intelligent Defrosting
Comprehensive protection
Compact design
Easier maintainability
Inner groove copper
'Turbo' Button
Self-Diagnosis
Low voltage startup

Centralized control
Long-distance monitoring
Wide operation range
Auto Restart
Wide voltage range
Timer
Weekly timer
Lock

- 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 convinent on installation.
- Stably heating under -15°C environment temperature. (only for the unit CUHD*C1O)

Item	Nominal operating condition(temperature)				Operation range(temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB(℃)	WB(℃)	DB(℃)	WB(℃)	DB(℃)
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		Outdoor condition
	DB(℃)	WB(℃)	DB(℃)	WB(℃)	DB(℃)
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+7+9+9+21	9+9+9+12+12	7+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+7+9+12+12	9+9+12+12+12	7+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	7+7+9+12+18	-	7+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	7+7+9+12+21	-	7+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	7+7+12+12+12	-	7+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	7+7+12+12+18	-	7+7+7+7+9+9
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	7+9+9+9+9	-	7+7+7+7+9+12
12+12	7+9+12	9+9+21	12+18+24	7+7+9+9	7+9+12+12	9+9+12+18	7+7+7+9+12	7+9+9+9+12	-	7+7+7+7+9+18
12+18	7+9+18	9+9+24	12+21+21	7+7+9+12	7+9+12+18	9+9+12+21	7+7+7+9+18	7+9+9+9+18	-	7+7+7+9+9+9
12+21	7+9+21	9+12+12	—	7+7+9+18	7+9+12+21	9+9+12+24	7+7+7+9+21	7+9+9+9+21	-	7+7+7+9+9+12
12+24	7+9+24	9+12+18	—	7+7+9+21	7+9+12+24	9+9+18+18	7+7+7+9+24	7+9+9+12+12	-	7+7+7+9+12+12
18+18	7+12+12	9+12+21	—	7+7+9+24	7+9+18+18	9+12+12+12	7+7+7+12+12	7+9+9+12+18	-	7+7+9+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+7+12+18	7+9+12+12+12	-	7+7+9+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+7+12+21	7+12+12+12+12	-	7+7+9+9+12+12
21+21	7+12+24	9+18+21	—	7+7+12+21	7+12+12+18	12+12+12+12	7+7+9+9+9	9+9+9+9+9	-	7+9+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+7+9+9+12	9+9+9+9+12	-	7+9+9+9+9+12
	7+18+21	9+21+21	—	7+7+18+18	7+12+12+24	—	7+7+9+9+18	9+9+9+9+18	-	9+9+9+9+9+9

288 Combinations



GWHD(48S)NK3CO
(2 to 8)
GWHD(48S)NM3CO
(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+7+21+24	7+12+12+21	9+9+18+21
7+21	7+7+18	9+9+12	12+18+21	7+7+7+9	7+7+24+24	7+12+12+24	9+9+18+24
7+24	7+7+21	9+9+18	12+18+24	7+7+7+12	7+9+9+9	7+12+18+18	9+9+21+21
9+18	7+7+24	9+9+21	12+21+21	7+7+7+18	7+9+9+12	7+12+18+21	9+9+21+24
9+21	7+9+9	9+9+24	12+21+24	7+7+7+21	7+9+9+18	7+12+18+24	9+12+12+12
9+24	7+9+12	9+12+12	12+24+24	7+7+7+24	7+9+9+21	7+12+21+21	9+12+12+18
12+12	7+9+18	9+12+18	18+18+18	7+7+9+9	7+9+9+24	7+12+21+24	9+12+12+21
12+18	7+9+21	9+12+21	18+18+21	7+7+9+12	7+9+12+12	7+18+18+18	9+12+12+24
12+21	7+9+24	9+12+24	18+18+24	7+7+9+18	7+9+12+18	7+18+18+21	9+12+18+18
12+24	7+12+12	9+18+18	18+21+21	7+7+9+21	7+9+12+21	9+9+9+9	9+12+18+21
18+18	7+12+18	9+18+21	18+21+24	7+7+9+24	7+9+12+24	9+9+9+12	9+12+18+24
18+21	7+12+21	9+18+24	21+21+21	7+7+12+12	7+9+18+18	9+9+9+18	9+12+21+21
18+24	7+12+24	9+21+21	-	7+7+12+18	7+9+18+21	9+9+9+21	9+18+18+18
21+21	7+18+18	9+21+24	-	7+7+12+21	7+9+18+24	9+9+9+24	12+12+12+12
21+24	7+18+21	9+24+24	-	7+7+12+24	7+9+21+21	9+9+12+12	12+12+12+18
24+24	7+18+24	12+12+12	-	7+7+18+18	7+9+21+24	9+9+12+18	12+12+12+21
-	7+21+21	12+12+18	-	7+7+18+21	7+9+24+24	9+9+12+21	12+12+12+24
-	7+21+24	12+12+21	-	7+7+18+24	7+12+12+12	9+9+12+24	12+12+18+18
-	7+24+24	12+12+24	-	7+7+21+21	7+12+12+18	9+9+18+18	12+12+18+21

288 Combinations

	Five units				Six units				Seven units	Eight units
GWHD(48S)NK3CO (2 to 8) GWHD(48S)NM3CO (2 to 8)	7+7+7+7+7	7+7+9+9+12	7+9+9+9+24	9+9+9+12+12	7+7+7+7+7+7	7+7+7+9+9+21	7+9+9+9+9+21	7+7+7+7+7+7+7	7+9+9+9+9+9+9	
	7+7+7+7+9	7+7+9+9+18	7+9+9+12+12	9+9+9+12+18	7+7+7+7+7+9	7+7+7+9+9+24	7+9+9+9+12+12	7+7+7+7+7+9+9	7+9+9+9+9+9+12	
	7+7+7+7+12	7+7+9+9+21	7+9+9+12+18	9+9+9+12+21	7+7+7+7+7+12	7+7+7+9+12+12	7+9+9+9+12+18	7+7+7+7+7+7+12	9+9+9+9+9+9	
	7+7+7+7+18	7+7+9+9+24	7+9+9+12+21	9+9+9+12+24	7+7+7+7+7+18	7+7+7+9+12+12	7+9+9+12+12+12	7+7+7+7+7+7+18	7+7+7+7+7+7+7	
	7+7+7+7+21	7+7+9+12+12	7+9+9+12+24	9+9+9+18+18	7+7+7+7+7+21	7+7+7+9+12+18	7+9+12+12+12+12	7+7+7+7+7+7+21	7+7+7+7+7+7+9	
	7+7+7+7+24	7+7+9+12+18	7+9+9+18+18	9+9+12+12+12	7+7+7+7+7+24	7+7+7+9+12+21	9+9+9+9+9+9	7+7+7+7+7+9+9	7+7+7+7+7+7+12	
	7+7+7+9+9	7+7+9+12+21	7+9+9+18+21	9+9+12+12+12	7+7+7+7+7+9	7+7+7+12+12+12	9+9+9+9+9+12	7+7+7+7+7+9+12	7+7+7+7+7+9+9	
	7+7+7+9+12	7+7+9+12+24	7+9+12+12+12	9+9+12+12+18	7+7+7+7+9+12	7+7+7+12+12+18	9+9+9+9+9+18	7+7+7+7+7+9+18	7+7+7+7+7+9+12	
	7+7+7+9+18	7+7+9+18+18	7+9+12+12+18	9+9+12+12+21	7+7+7+7+9+18	7+7+9+9+9+9	9+9+9+9+12+12	7+7+7+7+7+9+9	7+7+7+9+9+9+9	
	7+7+7+9+21	7+7+9+18+21	7+9+12+12+21	9+12+12+12+12	7+7+7+7+7+9+21	7+7+7+9+9+12	9+9+9+12+12+12	7+7+7+7+9+9+9	7+7+7+7+9+9+9	
	7+7+7+9+24	7+7+12+12+12	7+9+12+12+24	9+12+12+12+18	7+7+7+7+7+9+24	7+7+9+9+9+18	-	7+7+7+7+7+9+12	-	
	7+7+7+12+12	7+7+12+12+18	7+12+12+12+12	12+12+12+12+12	7+7+7+7+12+12	7+7+9+9+9+21	-	7+7+7+7+7+9+18	-	
	7+7+7+12+18	7+7+12+12+21	7+12+12+12+18	-	7+7+7+7+7+12+18	7+7+9+9+12+12	-	7+7+7+7+7+9+12	-	
	7+7+7+12+21	7+7+12+12+24	7+12+12+12+21	-	7+7+7+7+7+12+21	7+7+9+9+12+18	-	7+7+7+7+12+12+12	-	
	7+7+7+12+24	7+7+12+18+18	9+9+9+9+9	-	7+7+7+7+7+12+24	7+7+9+12+12+12	-	7+7+7+7+9+9+9	-	
	7+7+7+18+18	7+9+9+9+9	9+9+9+9+12	-	7+7+7+7+7+18+18	7+7+12+12+12+12	-	7+7+7+7+9+9+12	-	
	7+7+7+18+21	7+9+9+9+12	9+9+9+9+18	-	7+7+7+9+9+9	7+9+9+9+9+9	-	7+7+7+9+9+12+12	-	
	7+7+7+18+24	7+9+9+9+18	9+9+9+9+21	-	7+7+7+9+9+12	7+9+9+9+9+12	-	7+7+7+9+9+9+9	-	
	7+7+9+9+9	7+9+9+9+21	9+9+9+9+24	-	7+7+7+9+9+18	7+9+9+9+9+18	-	7+7+9+9+9+12	-	

448 Combinations

	Two units	Three units				Four units						
GWHD(56S)NK3CO (2 to 9) GWHD(56S)NM3CO (2 to 9)	7+18	7+7+18	7+21+24	9+24+24	18+21+24	7+7+7+7	7+7+12+24	7+9+12+24	7+12+21+24	9+9+12+21	9+12+21+21	12+12+18+24
	7+21	7+7+21	7+24+24	12+12+12	18+24+24	7+7+7+9	7+7+18+18	7+9+18+18	7+18+18+18	9+9+12+24	9+12+21+24	12+12+21+21
	7+24	7+7+24	9+9+12	12+12+18	21+21+21	7+7+7+12	7+7+18+21	7+9+18+21	7+18+18+21	9+9+18+18	9+12+24+24	12+12+21+24
	9+18	7+9+12	9+9+18	12+12+21	21+21+24	7+7+7+18	7+7+18+24	7+9+18+24	7+18+18+24	9+9+18+21	9+18+18+18	12+12+24+24
	9+21	7+9+18	9+9+21	12+12+24	21+24+24	7+7+7+21	7+7+21+21	7+9+21+21	7+18+21+24	9+9+18+24	9+18+18+21	12+18+18+18
	9+24	7+9+21	9+9+24	12+18+18	24+24+24	7+7+7+24	7+7+21+24	7+9+21+24	7+18+21+24	9+9+21+21	9+18+18+24	12+18+18+21
	12+18	7+9+24	9+12+12	12+18+21	-	7+7+9+9	7+7+24+24	7+9+24+24	7+18+24+24	9+9+21+24	9+18+21+21	12+18+18+24
	12+21	7+12+12	9+12+18	12+18+24	-	7+7+9+9	7+9+9+9	7+12+12+12	7+21+21+21	9+9+24+24	9+18+21+24	12+18+21+21
	12+24	7+12+18	9+12+21	12+21+21	-	7+7+9+12	7+9+9+12	7+12+12+18	9+9+9+9	9+12+12+12	9+21+21+21	18+18+18+18
	18+18	7+12+21	9+12+24	12+21+24	-	7+7+9+18	7+9+9+18	7+12+12+21	9+9+9+12	9+12+12+18	12+12+12+12	-
	18+21	7+12+24	9+18+18	12+24+24	-	7+7+9+21	7+9+9+21	7+12+12+24	9+9+9+18	9+12+12+21	12+12+12+18	-
	18+24	7+18+18	9+18+21	18+18+18	-	7+7+9+24	7+9+9+24	7+12+18+18	9+9+9+21	9+12+12+24	12+12+12+21	-
	21+21	7+18+21	9+18+24	18+18+21	-	7+7+12+12	7+9+12+12	7+12+18+21	9+9+9+24	9+12+18+18	12+12+12+24	-
	21+24	7+18+24	9+21+21	18+18+24	-	7+7+12+18	7+9+12+18	7+12+18+24	9+9+12+12	9+12+18+21	12+12+18+18	-
	24+24	7+21+21	9+21+24	18+21+21	-	7+7+12+21	7+9+12+21	7+12+21+21	9+9+12+18	9+12+18+24	12+12+18+21	-

	Five units					
GWHD(56S)NK3CO (2 to 9) GWHD(56S)NM3CO (2 to 9)	7+7+7+7+7	7+7+9+9+9	7+7+12+21+21	7+9+12+12+24	9+9+9+18+18	12+12+12+12+18
	7+7+7+7+9	7+7+9+9+12	7+7+12+21+24	7+9+12+18+18	9+9+9+18+21	12+12+12+12+21
	7+7+7+7+12	7+7+9+9+18	7+7+18+18+18	7+9+12+18+21	9+9+9+18+24	12+12+12+12+24
	7+7+7+7+18	7+7+9+9+21	7+7+18+18+21	7+9+12+18+24	9+9+9+21+21	12+12+12+18+18
	7+7+7+7+21	7+7+9+9+24	7+9+9+9+9	7+9+12+21+21	9+9+9+21+24	-
	7+7+7+7+24	7+7+9+12+12	7+9+9+9+12	7+9+18+18+18	9+9+12+12+12	-
	7+7+7+9+9	7+7+9+12+18	7+9+9+9+18	7+12+12+12+12	9+9+12+12+18	-
	7+7+7+9+12	7+7+9+12+21	7+9+9+9+21	7+12+12+12+18	9+9+12+12+21	-
	7+7+7+9+18	7+7+9+12+24	7+9+9+9+24	7+12+12+12+21	9+9+12+12+24	-
	7+7+7+9+21	7+7+9+18+18	7+9+9+12+12	7+12+12+12+24	9+9+12+18+18	-
	7+7+7+9+24	7+7+9+18+21	7+9+9+12+18	7+12+12+18+18	9+9+12+18+21	-
	7+7+7+12+12	7+7+9+18+24	7+9+9+12+21	7+12+12+18+21	9+9+12+18+24	-
	7+7+7+12+18	7+7+9+21+24	7+9+9+12+24	9+9+9+9+9	9+9+12+21+21	-
	7+7+7+12+21	7+7+9+24+24	7+9+9+18+18	9+9+9+9+12	9+9+18+18+18	-
	7+7+7+12+24	7+7+12+12+12	7+9+9+18+21	9+9+9+9+18	9+12+12+12+12	-
	7+7+7+18+18	7+7+12+12+18	7+9+9+18+24	9+9+9+9+21	9+12+12+12+18	-
	7+7+7+18+21	7+7+12+12+21	7+9+9+21+21	9+9+9+9+24	9+12+12+12+21	-
	7+7+7+18+24	7+7+12+12+24	7+9+9+21+24	9+9+9+12+12	9+12+12+12+24	-
	7+7+7+21+21	7+7+12+18+18	7+9+12+12+12	9+9+9+12+18	9+12+12+18+18	-
	7+7+7+21+24	7+7+12+18+21	7+9+12+12+18	9+9+9+12+21	9+12+12+18+21	-
	7+7+7+24+24	7+7+12+18+24	7+9+12+12+21	9+9+9+12+24	12+12+12+12+12	-

	Six units				
GWHD(56S)NK3CO (2 to 9) GWHD(56S)NM3CO (2 to 9)	7+7+7+7+7+7	7+7+7+9+12+12	7+7+9+9+12+18	7+9+9+12+12+18	12+12+12+12+12+12
	7+7+7+7+7+9	7+7+7+9+12+12	7+7+9+9+12+21	7+9+9+12+12+21	-
	7+7+7+7+7+12	7+7+7+9+12+18	7+7+9+9+12+24	7+9+12+12+12+12	-
	7+7+7+7+7+18	7+7+7+9+12+21	7+7+9+9+18+18	7+9+12+12+12+18	-
	7+7+7+7+7+21	7+7+7+9+12+24	7+7+9+9+18+21	7+12+12+12+12+12	-
	7+7+7+7+7+24	7+7+7+9+18+18	7+7+9+12+12+12	9+9+9+9+9+9	-
	7+7+7+7+9+9	7+7+7+9+18+21	7+7+9+12+12+18	9+9+9+9+9+12	-
	7+7+7+7+9+12	7+7+7+9+18+24	7+7+9+12+12+21	9+9+9+9+9+18	-
	7+7+7+7+9+18	7+7+7+9+21+21	7+7+9+12+12+24	9+9+9+9+9+21	-
	7+7+7+7+9+21	7+7+7+12+12+12	7+7+9+12+18+18	9+9+9+9+9+24	-
	7+7+7+7+9+24	7+7+7+12+12+18	7+9+9+9+9+9	9+9+9+9+12+12	-
	7+7+7+7+12+12	7+7+7+12+12+21	7+9+9+9+9+12	9+9+9+9+12+18	-
	7+7+7+7+12+18	7+7+7+12+12+24	7+9+9+9+9+18	9+9+9+9+12+21	-
	7+7+7+7+12+21	7+7+7+12+18+18	7+9+9+9+9+21	9+9+9+9+12+24	-
	7+7+7+7+12+24	7+7+7+12+18+21	7+9+9+9+9+24	9+9+9+9+18+18	-
	7+7+7+7+18+18	7+7+7+9+9+9	7+9+9+9+12+12	9+9+9+12+12+12	-
	7+7+7+9+9+9	7+7+7+9+9+12	7+9+9+9+12+18	9+9+9+12+12+18	-
	7+7+7+9+9+12	7+7+7+9+9+18	7+9+9+9+12+21	9+9+9+12+12+21	-
	7+7+7+9+9+21	7+7+7+9+9+24	7+9+9+9+18+18	9+9+12+12+12+18	-
	7+7+7+9+9+24	7+7+9+9+12+12	7+9+9+12+12+12	9+12+12+12+12+12	-

	Seven units			Eight units		Nine units
GWHD(56S)NK3CO (2 to 9) GWHD(56S)NM3CO (2 to 9)	7+7+7+7+7+7+7	7+7+7+7+9+9+21	7+7+9+9+9+9+12	7+7+7+7+7+7+7	7+7+7+9+9+9+9	7+7+7+7+7+7+7+7
	7+7+7+7+7+7+9	7+7+7+7+9+9+24	7+7+9+9+9+9+18	7+7+7+7+7+7+9	7+7+7+9+9+9+12	7+7+7+7+7+7+7+9
	7+7+7+7+7+7+12	7+7+7+7+9+12+12	7+7+9+9+9+9+21	7+7+7+7+7+7+12	7+7+7+9+9+9+12+12	7+7+7+7+7+7+7+12
	7+7+7+7+7+7+18	7+7+7+7+9+12+18	7+7+9+9+9+12+12	7+7+7+7+7+7+18	7+7+7+9+9+9+9	7+7+7+7+7+7+9+9
	7+7+7+7+7+7+21	7+7+7+7+9+12+21	7+7+9+9+9+12+18	7+7+7+7+7+7+21	7+7+7+9+9+9+12	7+7+7+7+7+7+9+12
	7+7+7+7+7+7+24	7+7+7+7+12+12+12	7+7+9+9+12+12+12	7+7+7+7+7+7+9+9	7+7+9+9+9+9+9+9	7+7+7+7+7+7+9+9+9
	7+7+7+7+7+9+9	7+7+7+7+12+12+18	7+7+9+12+12+12+12	7+7+7+7+7+7+9+12	7+7+9+9+9+9+9+9	7+7+7+7+7+7+9+9+12
	7+7+7+7+7+9+12	7+7+7+9+9+9+9	7+9+9+9+9+9+9	7+7+7+7+7+7+9+18	-	7+7+7+7+7+9+9+9
	7+7+7+7+7+9+18	7+7+7+9+9+9+12	7+9+9+9+9+9+12	7+7+7+7+7+7+9+21	-	-
	7+7+7+7+7+9+21	7+7+7+9+9+9+18	7+9+9+9+9+9+18	7+7+7+7+7+7+12	-	-
	7+7+7+7+7+9+24	7+7+7+9+9+9+21	7+9+9+9+9+12+12	7+7+7+7+7+7+12+18	-	-
	7+7+7+7+7+12+12	7+7+7+9+9+9+24	7+9+9+9+12+12+12	7+7+7+7+7+7+9+9	-	-
	7+7+7+7+7+12+18	7+7+7+9+9+12+12	9+9+9+9+9+9+9	7+7+7+7+7+7+9+12	-	-
	7+7+7+7+7+12+21	7+7+7+9+9+12+18	9+9+9+9+9+9+12	7+7+7+7+7+7+9+18	-	-
	7+7+7+7+7+12+24	7+7+7+9+9+12+21	9+9+9+9+9+18	7+7+7+7+7+7+9+12	-	-
	7+7+7+7+7+18+18	7+7+7+9+12+12+12	9+9+9+9+9+12+12	7+7+7+7+7+7+12+12	-	-
	7+7+7+7+7+9+9	7+7+7+9+12+12+18	9+9+9+9+12+12+12	7+7+7+7+7+7+9+9	-	-
	7+7+7+7+7+9+12	7+7+7+12+12+12+12	-	7+7+7+7+7+9+9+12	-	-
	7+7+7+7+7+9+18	7+7+9+9+9+9+9	-	7+7+7+7+7+9+12+12	-	-
	-	-				
	-	-				

Outdoor Unit

Model	Heat Pump		GWHD(42S)NK3CO	GWHD(48S)NK3CO	GWHD(48S)NM3CO	GWHD(56S)NK3CO	GWHD(56S)NM3CO
Capacity	Cooling	Btu/h	42000	47800	47800	52900	54600
	Heating	Btu/h	42700	53000	54600	59700	61400
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	3/380~415/50	1/220~240/50	3/380~415/50
Power input	Cooling	kW	4.10	4.90	4.40	5.30	5.00
	Heating	kW	3.70	4.30	4.25	4.80	4.70
Refrigerant charge volume		kg	4.95	4.95	4.95	4.95	4.95
Air Pressure Level		m^3/h	6400	6400	7000	7000	7000
Sound pressure level		dB(A)	55	55	58	58	58
Dimension(W×D×H)	Outline	mm	900×340×1345	900×340×1345	900×340×1345	900×340×1345	900×340×1345
	Package	mm	993×453×1500	993×453×1500	993×453×1500	993×453×1500	993×453×1500
Net weight/Gross weight		kg	116/125	116/125	116/125	116/125	116/125
Connecting pipe diameter	Gas	inch(mm)	φ5/8(15.9)	φ5/8(15.9)	φ5/8(15.9)	φ5/8(15.9)	φ5/8(19.05)
	Liquid	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)
Max. equivalent connection pipe length		m	115	135	135	145	145
Maximum drive IDU NO.		unit	6	8	8	9	9
Loading quantity	40'GP/40'HQ	sets	50/50	50/50	50/50	50/50	50/50

BU Module

Model			FXA2A-K	FXA2B-K	FXA3A-K	FXA3B-K	FXB3A-K	FXB5A-K
Fuse current		A	3.15	3.15	3.15	3.15	3.15	3.15
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Dimension(W×D×H)	Outline	mm	361×313×182	361×313×182	361×313×182	361×313×182	513×312×193	513×312×193
	Package	mm	683×392×258	683×392×258	683×392×258	683×392×258	676×473×268	676×473×268
Connection Method		—	Flare	Braze	Flare	Braze	Flare	Flare
Net weight/Gross weight		kg	6.5/8.3	6.5/8.3	7.0/9.0	7.0/9.0	8.0/10.0	9.0/11.0
Connecting pipe diameter (to IDU)	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Connecting pipe diameter (to ODU)	Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
Maximum connect IDU NO.		unit	2	2	3	3	3	5
Loading quantity	40'GP	sets	294	294	294	294	246	246
	40'HQ	sets	294	294	294	294	246	246
Max. Equivalent		m	15	15	15	15	15	15

Wall Mounted Indoor Unit

Hansol



Model			GWH(07)TA-K3DNA1E/I	GWH(09)TA-K3DNA1E/I	GWH(12)TB-K3DNA1E/I	GWH(18)TC-K3DNA1E/I
Capacity	Cooling	Btu/h	7165	8530	11942	18084
	Heating	Btu/h	8871	9383	12454	19107
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume		m^3/h	550	550	770	950
		CFM	324	324	430	559
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	41/36/34/32/28/24/21	41/36/34/32/28/24/21	43/36/34/32/28/24/21	49/44/41/39/36/33/30
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	806×209×292	806×209×292	866×209×292	1018×230×319
	Package	mm	888×297×377	888×297×377	945×297×377	1097×340×397
Net weight/Gross weight		kg	10.5/13.0	10.5/13.0	11.0/13.5	15.0/18.5
Loading quantity	20'GP	sets	284	266	276	183
	40' GP/40' HQ	sets	591/669	591/669	566/640	381/442

U-Cool



Model			GWH(07)UA-K3DNA1B/I	GWH(09)UA-K3DNA1B/I	GWH(12)UB-K3DNA1B/I	GWH(18)UC-K3DNA1B/I
Capacity	Cooling	Btu/h	7165	8874	11946	18089
	Heating	Btu/h	8871	9553	12969	19795
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume		m^3/h	450	450	560	850
		CFM	265	265	330	500
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	37/35/32/30/28/26/24	38/35/32/30/28/26/25	39/37/34/31/29/27/26	44/40/37/35/33/31/28
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	860×153×299	860×153×299	896×159×320	998×178×340
	Package	mm	944×247×386	944×247×386	973×255×403	1083×283×428
Net weight/Gross weight		kg	9.5/12.5	9.5/12.5	10.0/13.0	14.0/17.0
Loading quantity	20'GP	sets	326	326	293	216
	40' GP/40' HQ	sets	666/776	666/776	612/678	443/498

Cozy



Model			GWH(07)MA-K3DNA3E/I	GWH(09)MA-K3DNA3E/I	GWH(12)MB-K3DNA3E/I	GWH(18)MC-K3DNA3E/I
Capacity	Cooling	Btu/h	7165	8874	11946	18089
	Heating	Btu/h	8871	9553	12969	19795
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume		m^3/h	450	500	630	850
		CFM	265	294	371	500
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	36/34/31/28/-	37/34/31/28/-	38/34/32/30/-	46/43/40/35/-
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	790×170×265	790×170×265	845×180×275	940×200×298
	Package	mm	873×370×251	873×370×251	918×370×258	1013×288×395
Net weight/Gross weight		kg	9.0/11.0	9.0/11.0	10/12.5	13.0/16.0
Loading quantity	20'GP	sets	348	348	318	254
	40' GP/40' HQ	sets	724/844	724/844	684/798	524/617

Change



Model			GWH(07)KF-K3DNA6E/I	GWH(09)KF-K3DNA6E/I	GWH(12)KF-K3DNA6E/I	GWH(18)KG-K3DNA6E/I
Capacity	Cooling	Btu/h	7165	8874	11946	18089
	Heating	Btu/h	8871	9553	12969	19795
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume		m^3/h	550	600	680	800
		CFM	324	353	400	471
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	40/38/30/24/-	41/38/30/24/-	42/39/31/25/-	45/40/37/32/-
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	770×201×283	770×201×283	770×201×283	865×215×305
	Package	mm	847×276×345	847×276×345	847×276×345	948×310×383
Net weight/Gross weight		kg	8.0/10.0	8.0/10.0	9.0/11.0	12.0/15.0
Loading quantity	20'GP	sets	335	335	335	264
	40' GP/40' HQ	sets	700/786	700/786	700/786	542/616

Viola



Model			GWH(07)RA-K3DNA3E/I	GWH(09)RA-K3DNA3E/I	GWH(12)RB-K3DNA3E/I	GWH(18)RC-K3DNA3E/I	GWH(24)RC-K3DNA1A/I
Capacity	Cooling	Btu/h	7165	8874	11946	18089	22007
	Heating	Btu/h	8871	9553	12969	19795	24225
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume		m^3/h	500	500	630	850	1000
		CFM	294	294	371	500	588
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	40/37/35/32/-	40/37/35/32/-	42/39/36/33/-	45/42/37/33/-	48/46/44/42/-
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ3/8(9.52)
Dimension(WxHxD)	Outline	mm	794×186×265	794×186×265	848×189×274	945×208×298	1018×223×315
	Package	mm	873×270×353	873×270×353	926××371×267	1013×300×383	1086×328×398
Net weight/Gross weight		kg	9.0/11.5	9.0/11.5	10/12.5	13.0/16.0	15.5/20.5
Loading quantity	20'GP	sets	352	352	312	254	206
	40' GP/40' HQ	sets	734/824	734/824	643/749	524/617	430/491

Duct Type Indoor Unit



Model			GFH(09)EA-K3DNA1A/I	GFH(12)EA-K3DNA1A/I	GFH(18)EA-K3DNA1A/I	GFH(21)EA-K3DNA1A/I	GFH(24)EA-K3DNA1A/I
Capacity	Cooling	Btu/h	8533	11946	20478	20478	24232
	Heating	Btu/h	9556	13140	22526	22526	27304
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume		m^3/h	450	500	1000	1000	1000
		CFM	265	294	588.5	588.5	588.5
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	37/34/31	39/35/32	42/38/34	42/38/34	42/38/34
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
Dimension(WxHxD)	Outline	mm	700×615×200	700×615×200	1100×615×200	1100×615×200	1100×615×200
	Package	mm	893×743×305	893×743×305	1323×743×305	1323×743×305	1323×743×305
Net weight/Gross weight		kg	22/27	23/29	31/41	31/41	31/41
Loading quantity	20'GP	sets	108	108	72	72	72
	40' GP/40' HQ	sets	234/234	234/234	162/162	162/162	162/162

Cassette Type Indoor Unit



Model			GKH(12)BA-K3DNA2A/I	GKH(18)BA-K3DNA2A/I	GKH(12)BA-K3DNA1A/I	GKH(18)BA-K3DNA1A/I	GKH(24)BA-K3DNA1A/I
Capacity	Cooling	Btu/h	11946	15359	11946	15359	22867
	Heating	Btu/h	13652	17065	13136	17065	27304
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume		m^3/h	600	600	680	600	1180
		CFM	353	353	400	353	694
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	46/44/42	46/44/42	37/35/33	46/44/42	39/37/35
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ1/2(12.7)	Φ3/8(9.52)	Φ1/2(12.7)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ3/8(9.52)
Main Body	Dimension (WxHxD) Outline	mm	570×570×230	570×570×230	840×840×240	840×840×240	840×840×240
	Dimension (WxHxD) Package	mm	851×731×325	851×731×325	963×963×325	963×963×325	963×963×325
	Net weight/Gross weight	kg	18.0/23.0	18/23	25.0/33.0	25.0/33.0	28.0/35.0
Panel	Dimension (WxHxD) Outline	mm	650×650×50	650×650×50	950×950×60	950×950×60	950×950×60
	Dimension (WxHxD) Package	mm	733×673×117	733×673×117	1043×1028×130	1043×1028×130	1043×1028×130
	Net weight/Gross weight	kg	2.5/3.5	2.5/3.5	6.5/10	6.5/10	6.5/10
Loading quantity	20'GP	sets	102	102	48	48	40
	40' GP/40' HQ	sets	209/246	209/246	128/144	128/144	108/128

Floor Ceiling Type Indoor Unit



Model			GTH(09)BA-K3DNA1A/I	GTH(12)BA-K3DNA1A/I	GTH(18)BA-K3DNA1A/I	GTH(24)BA-K3DNA1A/I
Capacity	Cooling	Btu/h	8533	11946	17060	24225
	Heating	Btu/h	9556	13136	18766	27296
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume		m^3/h	650	650	950	1250
		CFM	382.5	382.5	559	736
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	40/38/36	40/38/36	45/42/40	48/46/44
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ3/8(9.52)
Dimension(WxHxD)	Outline	mm	1220×700×225	1220×700×225	1220×700×225	1220×700×225
	Package	mm	1343×823×315	1343×823×315	1343×823×315	1343×823×315
Net weight/Gross weight		kg	40/50	40/50	40/50	45/54
Loading quantity	20'GP	sets	66	66	66	66
	40' GP/40' HQ	sets	132/132	132/132	132/132	132/132

Console



Model			GEH(09)AA-K3DNA1C/I	GEH(12)AA-K3DNA1C/I	GEH(18)AA-K3DNA1C/I
Capacity	Cooling	Btu/h	8873	11942	18083
	Heating	Btu/h	9553	12969	19790
Power supply		Ph/V/Hz	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume		m^3/h	500	600	650
		CFM	294	353	383
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	40/38/36/33/30/27/25	42/40/38/37/35/32/27	48/46/44/41/37/35/32
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	700×215×600	700×215×600	700×215×600
	Package	mm	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: Hansol	Wall mounted type: U-Cool	Wall mounted type: Cozy	Wall mounted type: Change	Wall mounted type: Viola	Duct type	Cassette type	Floor ceiling type	Console type
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 quantinty of outdoor units.

Light Commercial

U-Match

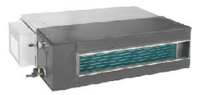
R410A INVERTER Energy Efficiency Class A

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.









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

- Double ambient temperature sensor design makes a precision temperature monitoring.
- 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℃ outdoor environment temperature (for the unit CUHD*C1O).

CE

Indoor Unit

Duct type

- 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.

Cassette type

- 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.

Floor ceiling type

- 3-D air flue design.
- Easy replacement of motor and fan blade thanks to clamp block propeller design.
- Different swing angle design for cooling and heating mode for better comfort.

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (℃)	WB (℃)	DB (℃)	WB (℃)	DB (℃)
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

R410A INVERTER Energy Efficiency Class A

Model				GUHD09NK3FO	GUHD09NK3FO	GUHD12NK3FO	GUHD12NK3FO	GUHD12NK3FO	GUHD18NK3FO	GUHD18NK3FO
	Outdoor unit									
	Indoor unit			Duct	Floor ceiling	Duct	Cassette	Floor ceiling	Duct	Cassette
				GFH09K3FI	GTH09K3FI	GFH12K3FI	GKH12K3FI	GTH12K3FI	GFH18K3FI	GKH18K3FI
Capacity	Cooling		W	2700	2700	3500	3500	3500	5000	5000
			Btu/h	9212.4	9212.4	11942	11942	11942	17060	17060
	Heating		W	2900	2900	3800	3800	3800	5600	5500
			Btu/h	9894.8	9894.8	12965.6	12965.6	12965.6	19107.2	18766
SEER/SCOP			W/W	5.6/3.8	6.1/3.8	5.6/4.0	5.6/4.0	6.1/4.0	5.6/3.8	5.6/3.8
EER / C.O.P			W/W	3.21/3.61	3.21/3.61	3.00/3.61	3.21/3.61	3.21/3.61	3.23/3.61	3.12/3.48
			Btu/h.W	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
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	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
Indoor unit	Sound pressure level (H/M/L)		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(H/M/L)		CFM	382.525	353.1	441.375	411.95	411.95	588.5	447.26
			m^3/h	650	600	750	700	700	1000	760
	ESP	Rated	Pa	25	0	25	0	0	25	0
		Range	Pa	0-30	0	0-30	0	0	0-30	0
	Dimension (W×D×H)	Outline	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
	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
Panel	Dimension (W×D×H)	Outline	mm	—/—	—/—	—/—	670×670×50	—/—	—/—	670×670×50
		Package	mm	—/—	—/—	—/—	763×763×105	—/—	—/—	763×763×105
	Net weight		kg	—/—	—/—	—/—	3.5	—/—	—/—	3.5
	Gross weight		kg	—/—	—/—	—/—	5.0	—/—	—/—	5.0
Outdoor unit	Sound pressure level		dB(A)	52/—/—	52/—/—	52/—/—	52/—/—	52/—/—	56/—/—	56/—/—
	Dimension (W×D×H)	Outline	mm	848×320×540	848×320×540	848×320×540	848×320×540	848×320×540	955×396×700	955×396×700
		Package	mm	881X363X595	881X363X595	881X363X595	881X363X595	881X363X595	1029X458X750	1029X458X750
	Net weight		kg	34.0	34.0	34.0	34.0	34.0	47.0	47.0
	Gross weight		kg	37.0	37.0	37.0	37.0	37.0	50.0	50.0
Connection pipe	Outer diameter	Liquid	inch(mm)	1/4	1/4	1/4	1/4	1/4	1/4	1/4
		Gas	inch(mm)	3/8	3/8	3/8	3/8	3/8	1/2	1/2
	Max.distance	Height	m	15	15	15	15	15	15	15
		Length	m	20	20	20	20	20	20	20
Loading quantity			40'GP	126	96	114	127	96	93	95
			40'HQ	141	112	131	138	112	95	105

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Model				GUHD18NK3FO	GUHD24NK3FO	GUHD24NK3FO	GUHD24NK3FO	GUHD30NK3FO	GUHD30NK3FO	GUHD30NK3FO
	Outdoor unit									
	Indoor unit			Floor ceiling	Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling
				GTH18K3FI	GFH24K3FI	GKH24K3FI	GTH24K3FI	GFH30K3FI	GKH30K3FI	GTH30K3FI
Capacity	Cooling		W	5000	7000	7000	7000	8300	8300	8500
			Btu/h	17060	23884	23884	23884	28319.6	28319.6	29002
	Heating		W	5600	8000	8000	8000	9200	9200	9200
			Btu/h	19107.2	27296	27296	27296	31390.4	31390.4	31390.4
SEER/SCOP			W/W	6.1/4.0	6.1/4.0	6.1/4.0	5.6/4.0	6.1/4.0	6.1/4.0	6.1/4.0
EER / C.O.P			W/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	3.18/3.58
			Btu/h.W	11.01/12.33	10.96/12.35	10.96/12.35	10.96/12.35	10.61/12.21	10.61/12.21	10.86/12.21
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	12.00	12.00	12.00
Refrigerant charge volume			kg	1.4	2.2	2.2	2.2	2.4	2.4	2.4
Indoor unit	Sound pressure level (H/M/L)		dB(A)	42/38/32	46/44/40	46/42/38	48/46/40	46/44/40	48/45/40	46/44/38
	Air flow volume(H/M/L)		CFM	588.5	823.9	765.05	706.2	823.9	882.75	882.75
			m^3/h	1000	1400	1300	1200	1400	1500	1500
	ESP	Rated	Pa	0	25	0	0	37	0	0
		Range	Pa	0	0-75	0	0	0-75	0	0
	Dimension (W×D×H)	Outline	mm	1220×700×225	1279×558×268	840×840×240	1220×700×225	1279×558×268	840×840×320	1420×700×245
		Package	mm	1343×823×315	1348×597×283	963×963×325	1343×823×315	1348×597×283	963×963×409	1548×828×345
	Net weight		kg	39.0	34.0	26.0	40.0	34.0	31.0	48.0
	Gross weight		kg	48.0	39.0	32.0	50.0	39.0	38.0	56.0
Panel	Dimension (W×D×H)	Outline	mm	—/—	—/—	950×950×60	—/—	—/—	950×950×60	—/—
		Package	mm	—/—	—/—	1028×1043×130	—/—	—/—	1028×1043×130	—/—
	Net weight		kg	—/—	—/—	7	—/—	—/—	7	—/—
	Gross weight		kg	—/—	—/—	11	—/—	—/—	11	—/—
Outdoor unit	Sound pressure level		dB(A)	56/—/—	57/—/—	57/—/—	57/—/—	58/—/—	58/—/—	58/—/—
	Dimension (W×D×H)	Outline	mm	955×396×700	980×427×790	980×427×790	980×427×790	980×427×790	980×427×790	980×427×790
		Package	mm	1029X458X750	1083X488X855	1083X488X855	1083X488X855	1083X488X855	1083X488X855	1083X488X855
	Net weight		kg	47.0	67.0	67.0	67.0	71.0	71.0	71.0
	Gross weight		kg	50.0	72.0	72.0	72.0	76.0	76.0	76.0
Connection pipe	Outer diameter	Liquid	inch(mm)	1/4	3/8	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	5/8
	Max.distance	Height	m	15	15	15	15	15	15	15
		Length	m	20	30	30	30	30	30	30
Loading quantity			40'GP	89	76	64	70	76	49	57
			40'HQ	97	89	71	86	89	69	67

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Model				GUHD36NK3FO	GUHD36NK3FO	GUHD36NK3FO	GUHD36NM3FO	GUHD36NM3FO	GUHD36NM3FO	GUHD42NK3FO
	Outdoor unit									
	Indoor unit			Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling	Duct
				GFH36K3FI	GKH36K3FI	GTH36K3FI	GFH36K3FI	GKH36K3FI	GTH36K3FI	GFH42K3FI
Capacity	Cooling		W	10000	10000	10000	10000	10000	10000	11500
			Btu/h	34120	34120	34120	34120	34120	34120	39238
	Heating		W	12000	12000	12000	12000	12000	12000	13500
			Btu/h	40944	40944	40944	40944	40944	40944	46062
SEER/SCOP			W/W	5.6/4.0	6.1/4.0	6.1/4.0	5.1/4.0	6.1/4.0	6.1/4.0	5.6/3.8
EER / C.O.P			W/W	3.12/3.53	3.12/3.43	3.12/3.53	3.21/3.61	3.21/3.61	3.21/3.61	2.88/3.46
			Btu/h.W	10.66/12.04	10.66/11.70	10.66/12.04	10.94/12.33	10.94/12.33	10.94/12.33	9.81/11.81
Power supply			Ph/V/Hz	220-240-50-1	220-240-50-1	220-240-50-1	380-415-50-3	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	5.40	5.40	5.40	18.60
	Heating		A	15.50	16.20	15.80	5.80	5.80	5.80	18.10
Refrigerant charge volume			kg	3.5	3.5	3.5	3.5	3.5	3.5	3.7
Indoor unit	Sound pressure level (H/M/L)		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(H/M/L)		CFM	1235.85	1094.61	1118.15	1235.85	1094.61	1118.15	1235.85
			m^3/h	2100	1860	1900	2100	1860	1900	2100
	ESP	Rated	Pa	37	0	0	37	0	0	37
		Range	Pa	0-100	0	0	0-100	0	0	0-100
	Dimension (W×D×H)	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	46.0	31.0	48.0	46.0	31.0	48.0	46.0
	Gross weight		kg	53.0	38.0	56.0	53.0	38.0	56.0	53.0
Panel	Dimension (W×D×H)	Outline	mm	—/—	950×950×60	—/—	—/—	950×950×60	—/—	—/—
		Package	mm	—/—	1028×1043×130	—/—	—/—	1028×1043×130	—/—	—/—
	Net weight		kg	—/—	7	—/—	—/—	7	—/—	—/—
	Gross weight		kg	—/—	11	—/—	—/—	11	—/—	—/—
Outdoor unit	Sound pressure level		dB(A)	63/—/—	63/—/—	63/—/—	63/—/—	63/—/—	63/—/—	61/—/—
	Dimension (W×D×H)	Outline	mm	1107×440×1100	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
	Net weight		kg	92.0	92.0	92.0	98.0	98.0	98.0	95.0
	Gross weight		kg	100.0	100.0	100.0	106.0	106.0	106.0	105.0
Connection pipe	Outer diameter	Liquid	inch(mm)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
		Gas	inch(mm)	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Max.distance	Height	m	15	15	15	15	15	15	30
		Length	m	30	30	30	30	30	30	50
Loading quantity			40'GP	45	43	45	45	43	45	52
			40'HQ	60	50	56	60	50	56	58

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Model	Outdoor unit			GUHD42NK3FO	GUHD42NK3FO	GUHD42NM3FO	GUHD42NM3FO	GUHD42NM3FO	GUHD48NK3FO	GUHD48NK3FO
	Indoor unit			Cassette	Floor ceiling	Duct	Cassette	Floor ceiling	Duct	Cassette
				GKH42K3FI	GTH42K3FI	GFH42K3FI	GKH42K3FI	GTH42K3FI	GFH48K3FI	GKH48K3FI
Capacity	Cooling		W	11000	11500	11500	11000	11500	14000	14000
			Btu/h	37532	39238	39238	37532	39238	47768	47768
	Heating		W	12500	13500	13500	12500	13500	15500	16000
			Btu/h	42650	46062	46062	42650	46062	52886	54592
SEER/SCOP			W/W	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
EER / C.O.P			W/W	2.82/3.29	2.95/3.65	2.88/3.46	2.82/3.29	2.95/3.61	2.98/3.52	3.04/3.56
			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
Power supply			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
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	17.60	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
Indoor unit	Sound pressure level (H/M/L)		dB(A)	49/46/43	54/52/47	52/48/44	49/46/43	54/52/47	53/49/45	52/47/41
	Air flow volume(H/M/L)		CFM	1094.61	1118.15	1235.85	1094.61	1118.15	1412.4	1353.55
			m^3/h	1860	1900	2100	1860	1900	2400	2300
	ESP	Rated	Pa	0	0	37	0	0	50	0
		Range	Pa	0	0	0-100	0	0	0-125	0
	Dimension (W×D×H)	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	Dimension (W×D×H)	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	—/—	—/—	7	—/—	—/—	8
	Gross weight		kg	11	—/—	—/—	11	—/—	—/—	12
Outdoor unit	Sound pressure level		dB(A)	61/—/—	61/—/—	61/—/—	61/—/—	61/—/—	59/—/—	59/—/—
	Dimension (W×D×H)	Outline	mm	958×412×1349	958×412×1349	958×412×1349	958×412×1349	958×412×1349	958×412×1349	958×412×1349
		Package	mm	1043X453X1500	1043X453X1500	1043X453X1500	1043X453X1500	1043X453X1500	1043X453X1500	1043X453X1500
	Net weight		kg	95.0	95.0	108.0	108.0	108.0	105.0	105.0
	Gross weight		kg	105.0	105.0	118.0	118.0	118.0	115.0	115.0
Connection pipe	Outer diameter	Liquid	inch(mm)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
		Gas	inch(mm)	5/8	5/8	5/8	5/8	5/8	5/8	5/8
	Max.distance	Height	m	30	30	30	30	30	30	30
		Length	m	50	50	50	50	50	50	50
Loading quantity			40'GP	45	43	52	45	43	38	43
			40'HQ	48	47	58	48	4789	48	50

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Model	Outdoor unit			GUHD48NK3FO	GUHD48NM3FO	GUHD48NM3FO	GUHD48NM3FO	GUHD60NM3FO	GUHD60NM3FO	GUHD60NM3FO
	Indoor unit			Floor ceiling	Duct	Cassette	Floor ceiling	Duct	Cassette	Floor ceiling
				GTH48K3FI	GFH48K3FI	GKH48K3FI	GTH48K3FI	GFH60K3FI	GKH60K3FI	GTH60K3FI
Capacity	Cooling		W	14000	14000	14000	14000	16000	16000	16000
			Btu/h	47768	47768	47768	47768	54592	54592	54592
	Heating		W	16000	15500	16000	16000	16500	17000	17000
			Btu/h	54592	52886	54592	54592	56298	58004	58004
SEER/SCOP			W/W	5.6/3.8	5.6/3.8	5.6/3.8	5.6/4.0	5.6/3.8	6.1/4.0	5.1/4.0
EER / C.O.P			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
			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	9.49/12.34
Power supply			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
Power input	Cooling		kW	6.60	6.70	6.70	6.60	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	8.60	9.70	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
Indoor unit	Sound pressure level (H/M/L)		dB(A)	55/50/46	53/49/45	52/47/41	55/50/46	56/54/49	53/47/41	56/52/46
	Air flow volume(H/M/L)		CFM	1353.55	1412.4	1353.55	1353.55	1765.5	1412.4	1471.25
			m^3/h	2300	2400	2300	2300	3000	2400	2500
	ESP	Rated	Pa	0	50	0	0	50	0	0
		Range	Pa	0	0-125	0	0	0-150	0	0
	Dimension (W×D×H)	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	Dimension (W×D×H)	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/—/—
	Dimension (W×D×H)	Outline	mm	958×412×1349	958×412×1349	958×412×1349	958×412×1349	1085×427×1365	1085×427×1365	1085×427×1365
		Package	mm	1043X453X1500	1043X453X1500	1043X453X1500	1043X453X1500	1143X478X1505	1143X478X1505	1143X478X1505
	Net weight		kg	105.0	114.0	114.0	114.0	126.0	126.0	126.0
	Gross weight		kg	115.0	124.0	124.0	124.0	138.0	138.0	138.0
Connection pipe	Outer diameter	Liquid	inch(mm)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
		Gas	inch(mm)	5/8	5/8	5/8	5/8	3/4	3/4	3/4
	Max.distance	Height	m	30	30	30	30	30	30	30
		Length	m	50	50	50	50	50	50	50
Loading quantity			40'GP	43	38	43	43	40	38	39
			40'HQ	47	48	50	47	40	48	42