



GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

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

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

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GC-1409-01



Distributor information

RAC EU 2015



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

مکيفر گازی
مکيف الهواء air conditioner
랭온풍기 에어컨 어 컨디션너
空调 climatiseur
acondicionado de aire
ar condicionado
300,000,000 users



No. 1
air conditioner
manufacturer



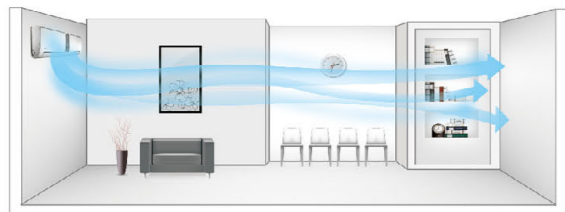
Ceiling Cooling



Floor Heating

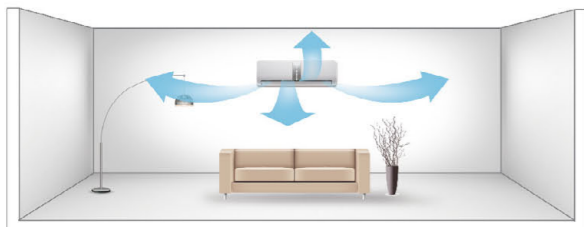


"Turbo" Cooling



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



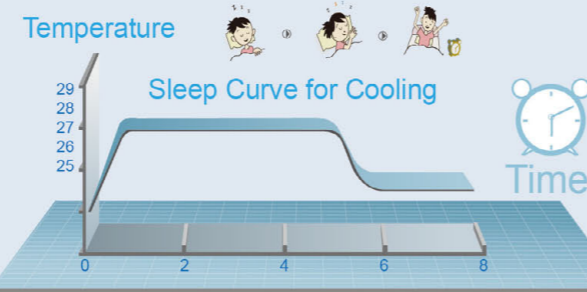
The louver can be vertically or horizontally adjusted so as to maximize comfort in the room.

7 Fan Speeds



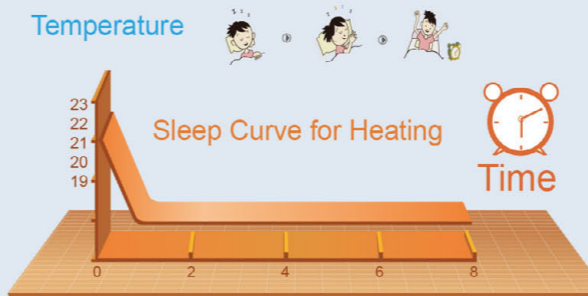
From super low to turbo, choose desired air flow.

3 Sleep Curves

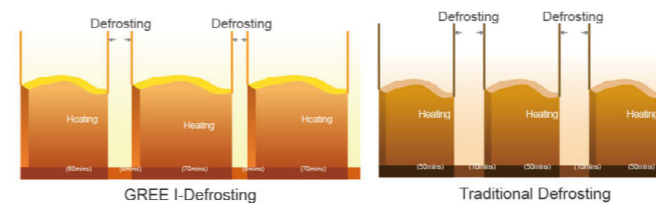


3 Sleep Curves

- 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.



Intelligent Defrosting



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

Functions for Low Ambient Temperature



8°C Heating

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

-15°C Cooling

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

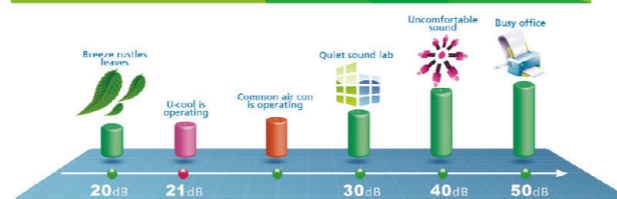
-20°C Heating

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

Cold Air Prevention

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

Low Noise



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

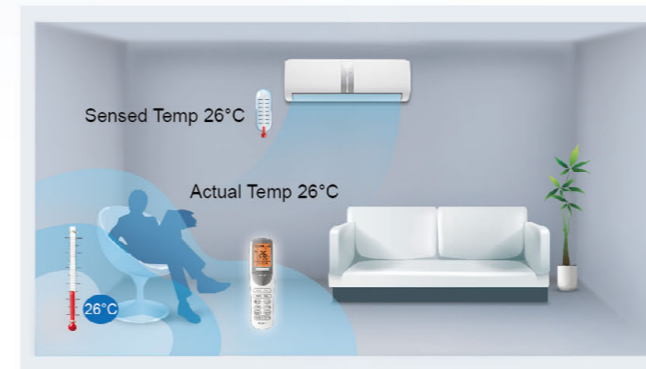


- FAN**
Choose fan speed
- MODE**
Change operation mode: Auto, Cool, Dry, Fan, and Heat
- Decrease set temperature; hold the button for 2 seconds to decrease set temperature rapidly.
- +**
Raise set temperature; hold the button for 2 seconds to raise set temperature rapidly.
- TURBO**
For rapid cooling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

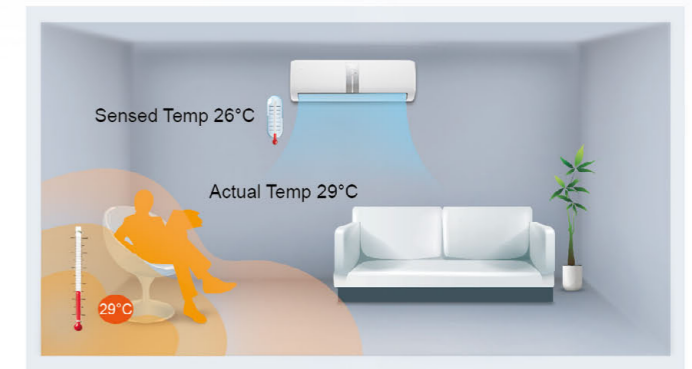


I Feel

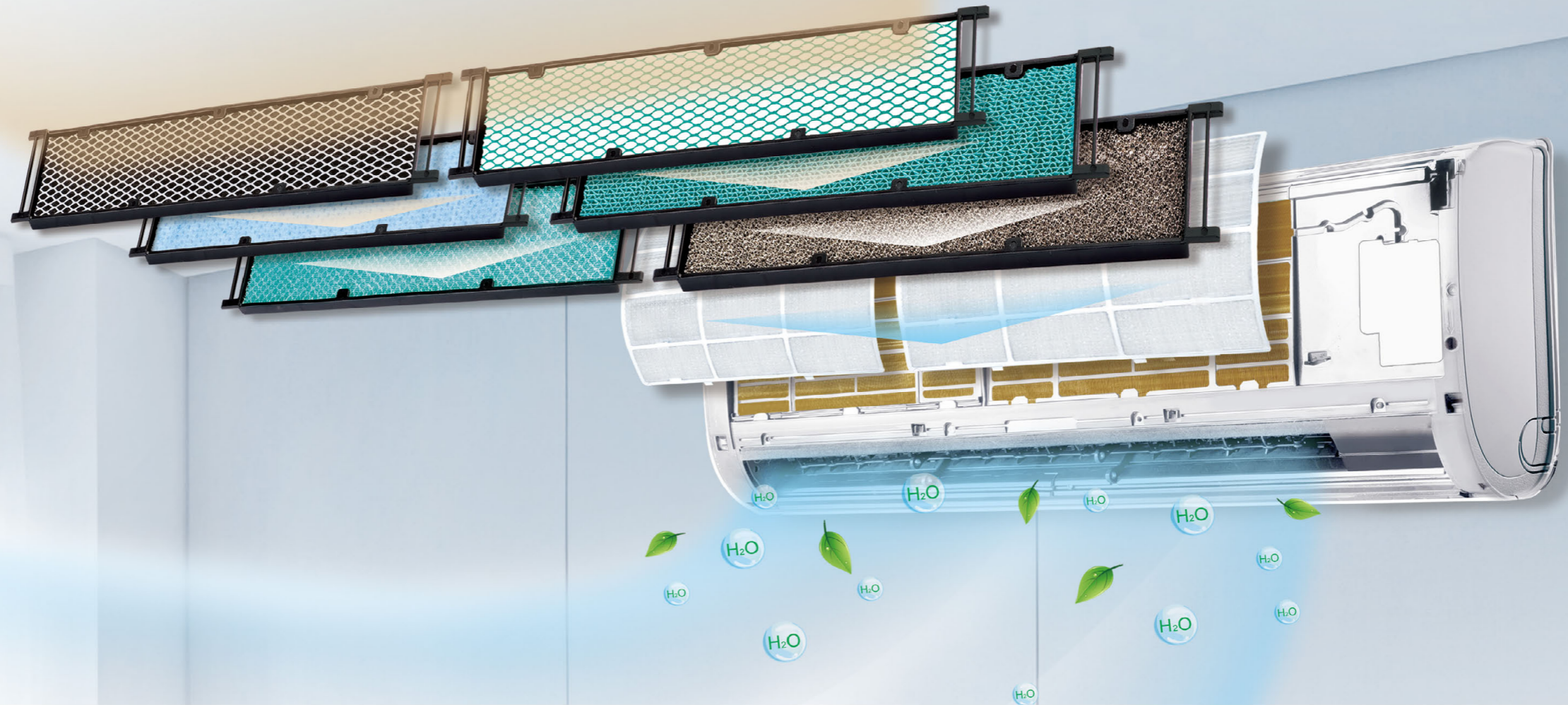
The mini sensor in the remote controller can sense its surrounding temperature, and transmit the signal back to the indoor unit. So the unit can adjust the air flow volume and temperature accordingly so as to provide maximum comfort.



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.

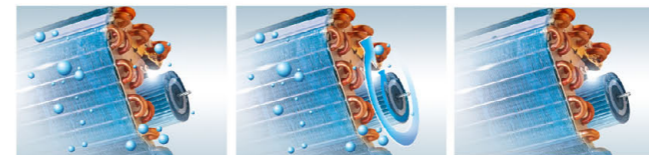


Multi-function Filter

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

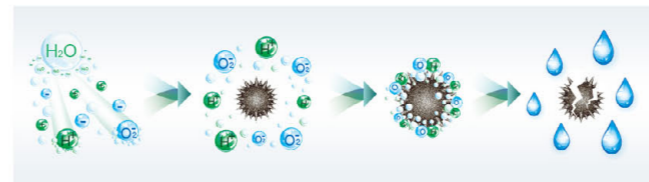
Auto Clean [X-FAN]

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



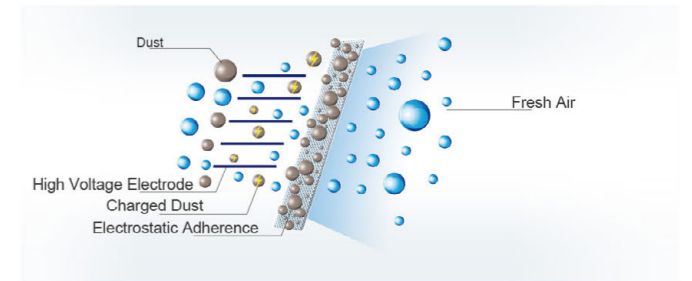
Cold Plasma

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.

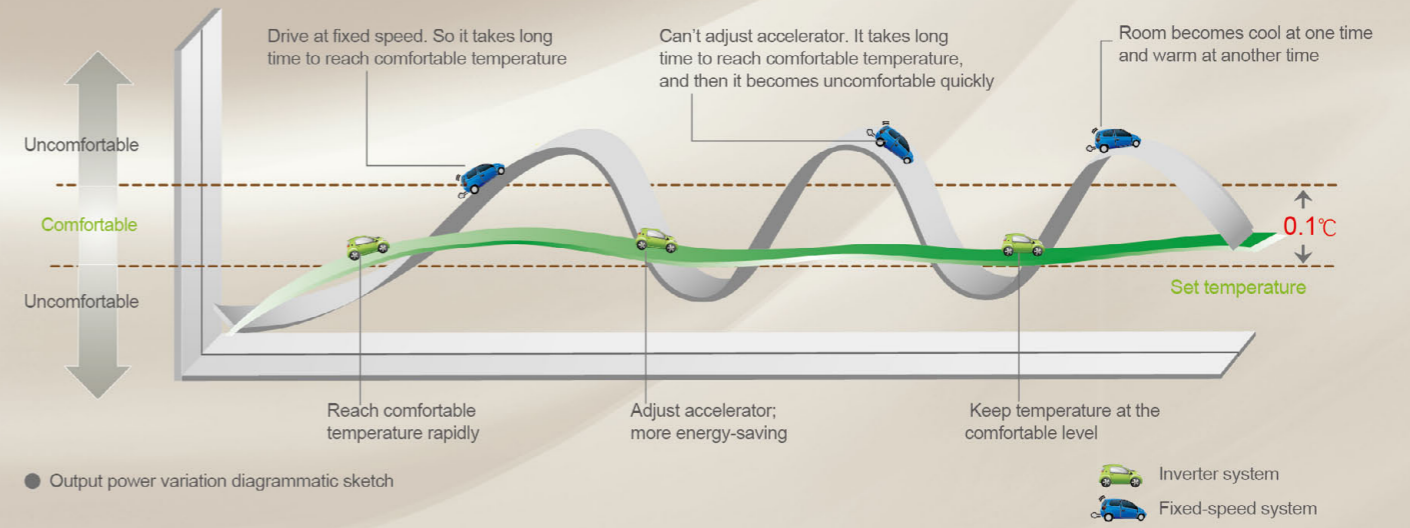


* Notes: Applicable to some selected models

INVERTER



How Inverter Saves Energy



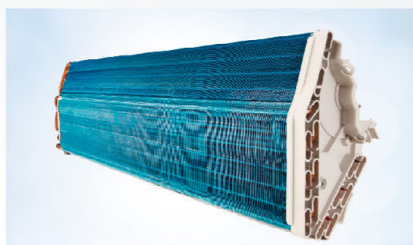
- Faster Cooling** (Icon: Air conditioner blowing air)
- Precise Temp Control** (Icon: Thermometer showing 0.1°C)
- Energy Saving** (Icon: House with 50% energy saving label)
- Eco-friendly Refrigerant** (Icon: R410A globe)

G¹⁰ Inverter

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> Ultra low frequency torque control <ul style="list-style-type: none"> Constant temperature Energy saving High-speed DSP chip <ul style="list-style-type: none"> Accurate calculation Efficient operation Wide frequency precise control <ul style="list-style-type: none"> Unceasing operation Accurate control Power factor correction technology <ul style="list-style-type: none"> High efficiency Better protection | <ul style="list-style-type: none"> Environment-friendly R410A refrigerant <ul style="list-style-type: none"> Low-carbon design High efficiency Ultra-low noise control <ul style="list-style-type: none"> Quiet Comfortable Computer simulation control <ul style="list-style-type: none"> Less fluctuation Lower noise | <ul style="list-style-type: none"> Automatic voltage adaptation (150-260V) <ul style="list-style-type: none"> More stability Less damage High reliability <ul style="list-style-type: none"> Excellent quality Superior performance UHF flux-weakening control <ul style="list-style-type: none"> Rapid cooling Rapid heating |
|--|--|--|

Key Points for Reaching High Efficiency

<h3>Refrigeration System</h3> <ul style="list-style-type: none"> 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 	<h3>Air Flow System</h3> <ul style="list-style-type: none"> Enlarged air intake and outlet Optimized cross fan design with larger air volume and enhanced heat exchange efficiency Optimized axial fan design with larger diameter to increase air volume and enhance heat exchange efficiency 	<h3>Control System</h3> <ul style="list-style-type: none"> Cutting-edge chip for precise inverter control 3DC
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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.



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.



**Plastic Casing ODU
Anti-corrosion ODU**

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



Dual Side Installation

Left or right side water outlet, easy for installation.



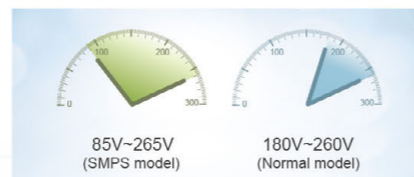
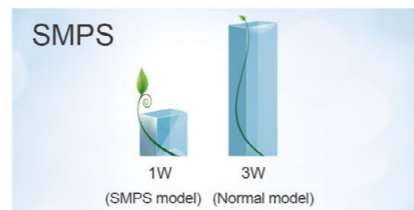
Auto Restart

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

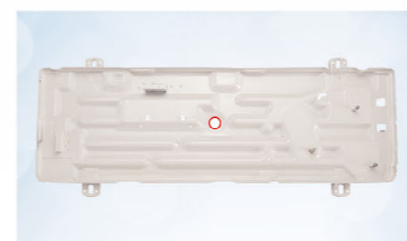


Self-diagnosis

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

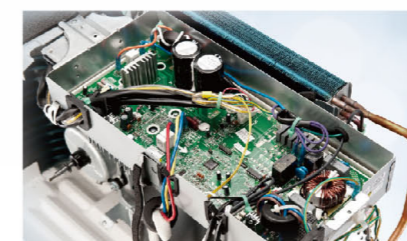


Better PCB protection between 85V-265V.



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.



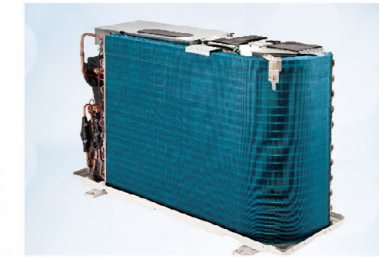
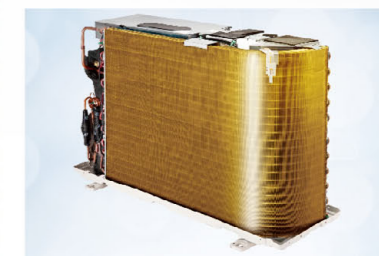
High Temp Resistance PCB

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



2-Stage compressor

Traditional Compressor













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)															Page
	7000	9000	11000	12000	16000	18000	21000	22000	24000	28000	30000	36000	42000	48000	60000	
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	Capacity(Btu/h)															Page
		5000	7000	9000	12000	14000	18000	20000	21000	24000	28000	30000	36000	48000	60000		
Dehumidifier																	
Fancy 	8	10	12	14	16	20			24	30						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 C Heating Mode	●	●	●	●	●	●
Cold Plasma	●	●	●	●	●	●
High-Voltage Electrostatic Dedust						
PM 2.5 filter	●					
Dry Anti-Mildew Design	●	●	●	●	●	●
Catechin filter	●	●	●	●	●	●
Activated carbon	●	●	●	●	●	●

Features: ● Standard ● Optional

Function \ Series	U-Crown	Hansol	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°C low ambient cooling		●	●	●	●	●
-18°C low ambient cooling						
-15°C low ambient Heating		●	●	●	●	●
-20°C low ambient Heating		●	●			
-30°C low ambient Heating	●					
2-Stage compressor	●	●	●	●	●	●
Temperature	●	●	●	●	●	●
Auto Restart	●	●	●	●	●	●
Lock	●	●	●	●	●	●
LED	●	●	●	●	●	●
"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

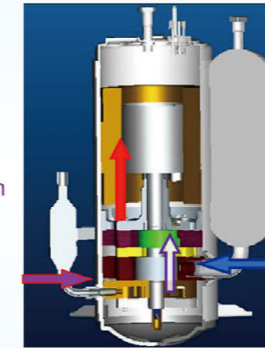
Features: ● Standard ● Optional

Wide Ambient Operation Range

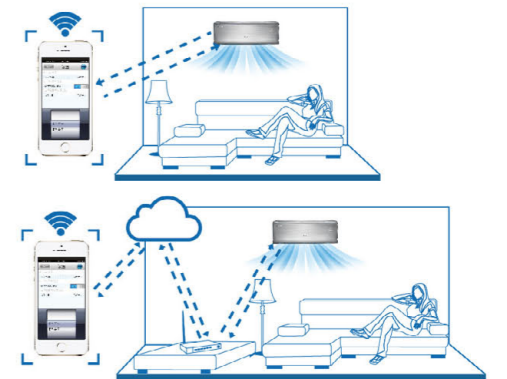
From -30°C to 54°C Ultra low ambient heating with 2-stage compressor

Operation sketch map of 2-Stage compressor

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



Wifi-Control

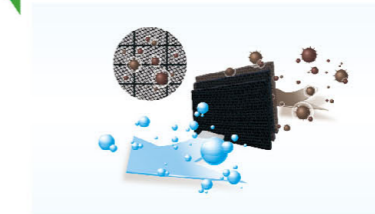


Intense Field Dielectric (IFD)

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 m³/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	960×320×205
Package Dimension		WxHxD mm	935×295×388	935×295×388	1043×333×403
Net Weight/Gross Weight		Indoor kg	12.5/15	12.5/15	15/18
Outdoor Unit					
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	950×700×396
Package Dimension		WxHxD mm	948×645×420	948×645×420	1029×750×458
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 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	1W Standby	Two-stage Compressor								

Features: ● Standard ● Optional



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	m³/h	550	770	770	950	1200
Indoor Unit							
Sound Power Level	Indoor	dB(A)(SHH/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	m³/h	720	740	950	1200
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SHH/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.

- | | | | | | | | | | | |
|---------------|---------------|--------------------------|---------------------|-------------|-------------|------------------------|---------------|---------------------|----------------------|----------------|
| I Feel | 8°C Heating | Comfortable Sleep Curves | Cold Air Prevention | LED Display | Timer | Intelligent Defrosting | Auto Clean | Automatic Operation | 'Turbo' Button | Self-diagnosis |
| Dehumidifying | Energy Saving | Auto Restart | Healthy Filters | Cold Plasma | 1 W Standby | -15°C Heating | -15°C Cooling | -7°C Cooling | Two-stage Compressor | |

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
	P _{designh(A)} / P _{designh(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)(SHHML)	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	m³/h	560/490/430/330	660/540/460/330	800/720/610/520	1150/1050/950/850
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SHHML)	55/52/44/38	57/53/45/42	58/54/51/48	64/59/56/53
Outline Dimension	WxHxD	mm	790×275×200	845×289×209	970×300×224	1078×325×246
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



- 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



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)(SHHML)	54/50/45/40	54/51/46/42	58/53/50/45	63/57/52/49		
Outline Dimension	WxHxD	mm	845×275×180	845×275×180	940×298×200	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		

Change Series



G10 Inverter Technology

- 50% energy saving
- 16Hz low frequency operation

LED Display Design

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

G¹⁰ Inverter

- | | | | | | | | | | | |
|---------------|-----------------|------------------------|------------|----------------|---------------------|----------------|------------|-------|--------------|---------------|
| 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



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)(SHHML)	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		

Fresh Wind Series



5 Environmental Modes

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

"Turbo" Cooling & Heating

Large air flow
Rapid cooling & heating

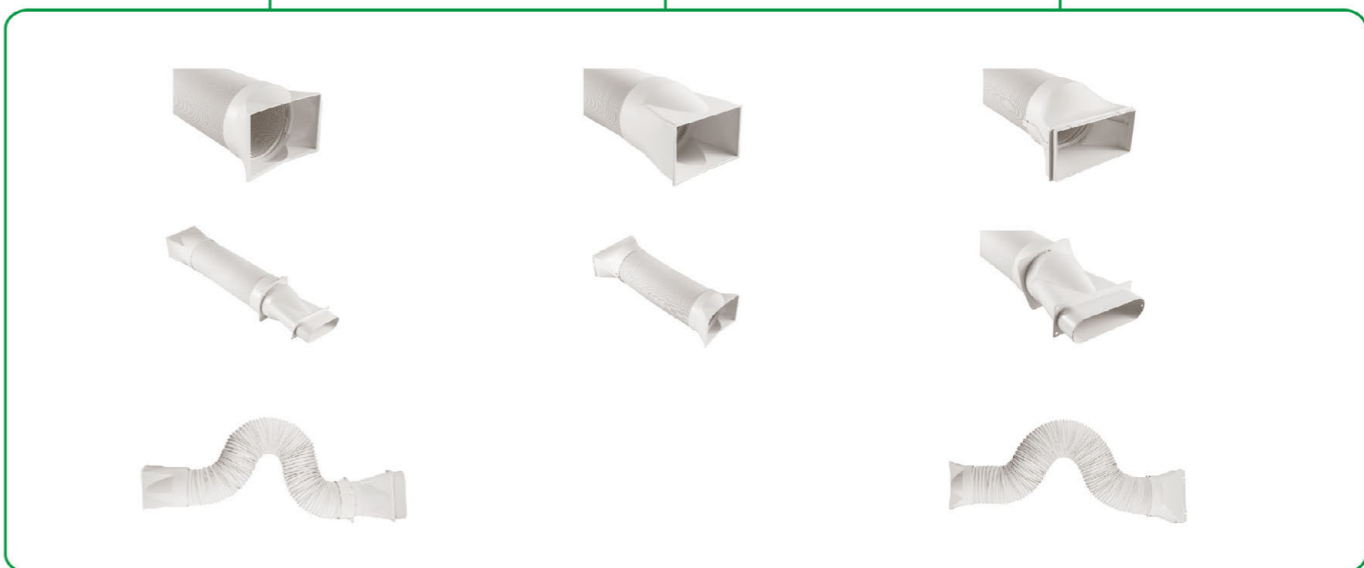
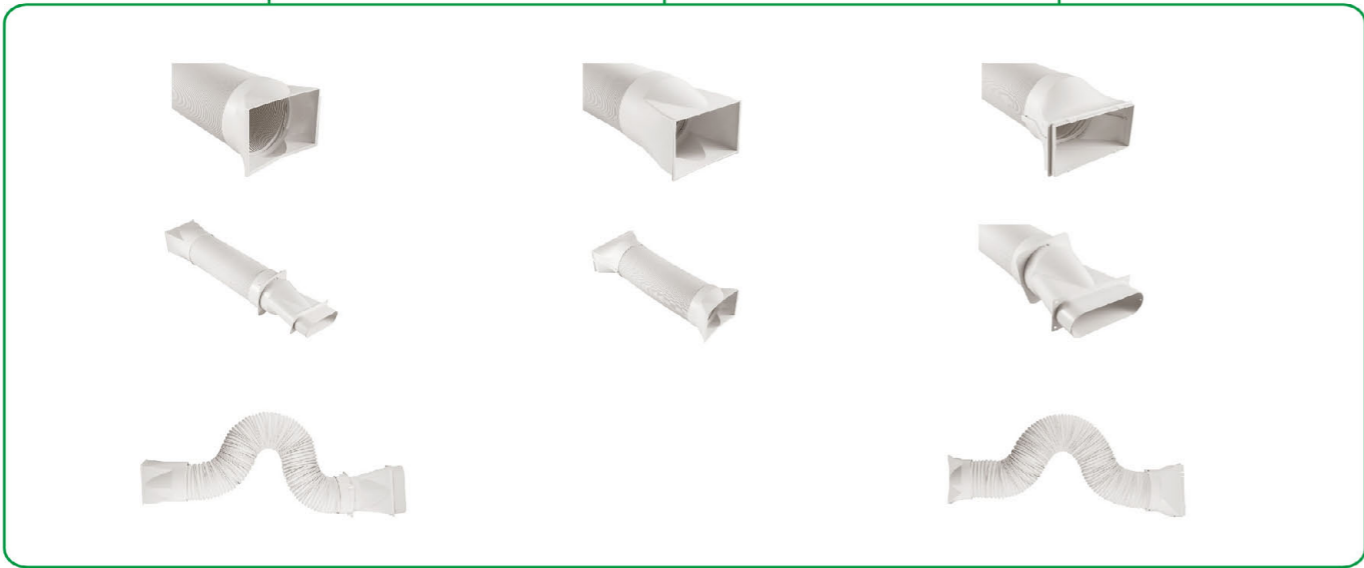


Features: ● Standard ● Optional

Model	GV48AD-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)(SHHML)	54/52/50/48	65/63/61/58
Outline Dimension	WxHxD	mm	581×1870×395	581×1870×395
Package Dimension	WxHxD	mm	2113×515×738	738×2083×545
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		GVA60AH-M3NNA5A	
Function	Cooling/Heating		Cooling/Heating	
Capacity	Cooling	Btu/h	52988	64828
	Heating	Btu/h	64828	64828
EER/C.O.P	W/W		2.51/2.91	2.51/2.91
Power Supply	Ph,V,Hz		3Ph,380-415V,50/60Hz	3Ph,380-415V,50/60Hz
Power Input	Cooling	W	6190	6190
	Heating	W	6530	6530
Rated Current	Cooling	A	16.5	16.5
	Heating	A	15.2	15.2
Airflow Volume	Indoor	m ³ /h	2000	2000
Indoor Unit				
Sound Power Level	Indoor	dB(A)(SHHML)	54/52/50/47	54/52/50/47
Outline Dimension	WxHxD	mm	581X1870X395	581X1870X395
Package Dimension	WxHxD	mm	738x2083x545	738x2083x545
Net Weight/Gross Weight	Indoor	kg	63/69	63/69
Outdoor Unit				
Sound Power Level	Outdoor	dB(A)	63	63
Piping Connection	Gas	mm	φ19	φ19
	Liquid	mm	φ12	φ12
Outline Dimension	WxHxD	mm	1032x1250x412	1032x1250x412
Package Dimension	WxHxD	mm	1113X453X1400	1113X453X1400
Net Weight/Gross Weight	Outdoor	kg	117/128	117/128
Loading Quantity	40'GP	sets	35	35
	40'HQ	sets	40	40

Portable Accessory



Koobe Series

Portable Type

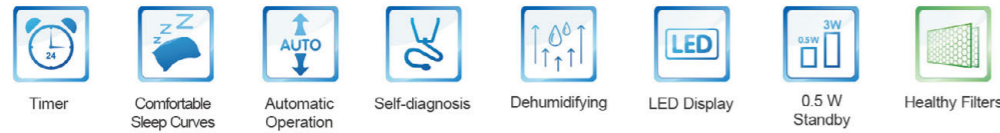


Compact Design

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.



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	
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	m³/h	330/300/250	330/300/250	330/300/250	
Sound Power 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.



Features: ● Standard ● Optional

Model	GPC09AH-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	m³/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.

Fancy Series

Dehumidifier



Large Button Design

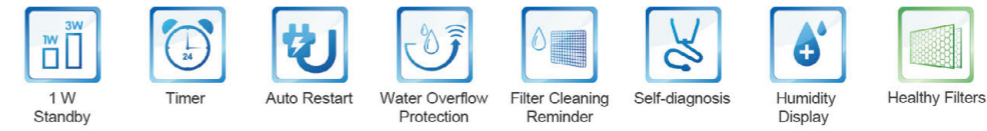
User-friendly for operation.

Convenient Handle

Convenient control
Flexible movement



Features: ● Standard ● Optional



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	m³/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

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	m³/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.



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

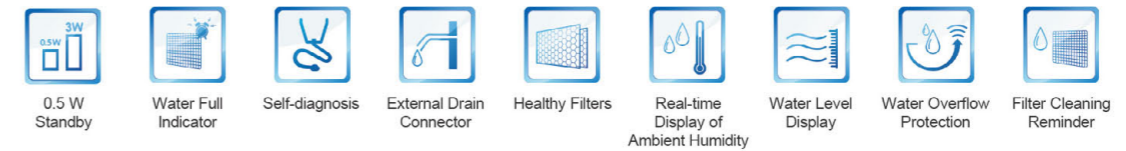


Consecutive Drainage Function

Free of the hassle of pouring water away yourself.

5°C Low Temperature Operation

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



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

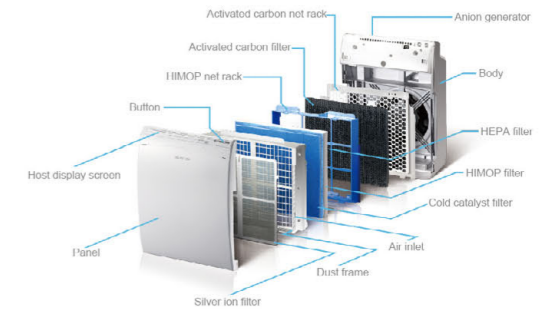


- 0.5 W Standby
- External Drain Connector
- Water Overflow Protection
- Filter Cleaning Reminder
- Self-diagnosis
- Healthy Filters

Features: ● Standard ● Optional

Model	GDN20AQ-E4EBA1A		GDN24AQ-E4EBA1A	
Dehumidifying Volume	L/D	20	24	
Power Supply	Ph,V,Hz	1Ph,220-240V,50Hz		
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		
Sound Pressure Level	dB(A)(H/L)	48/46/44		
Water Tank Volume	L	3.6/4.2		
Outline Dimension (WxHxD)	mm	351×492×260		
Package Dimension (WxHxD)	mm	407×530×329		
Operation Mode		electronic		
Net Weight/Gross Weight	kg	15/17		
Loading Quantity (40'GP)	sets	812		
Loading Quantity (40'HQ)	sets	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 Monitor (2000h used)
- Filter Changed Monitor (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

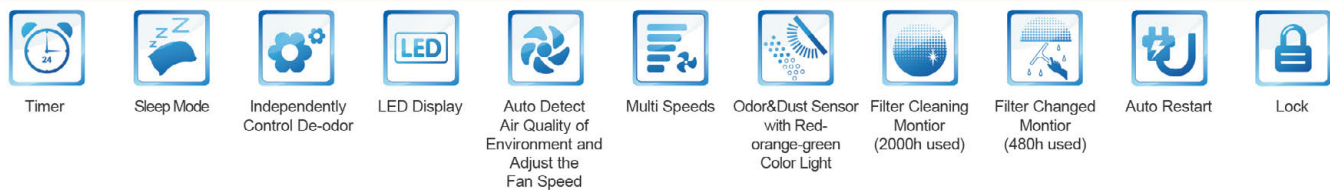


Humidifying Function

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.



Features: ● Standard ● Optional

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



Features: ● Standard ● Optional



Model	GEH09AA-K3DNA1B		GEH12AA-K3DNA1B	GEH18AA-K3DNA1B
Function	Cooling/Heating		Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8871	11942
	Heating	Btu/h	9383	13648
	Pdesignh	Btu/h	9383	9554
SEER/SCOP(A)	W/W		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
Power Input	Cooling	W	760	1080
	Heating	W	910	1108
Rated Current	Cooling	A	6.74	7.39
	Heating	A	6.74	7.39
Airflow Volume	Indoor	m ³ /h	500	600
Indoor Unit				
Sound Power Level	Indoor	dB(A)(SH/H/M/ML/L/SL)	52/50/45/40	54/52/49/42
Outline Dimension	WxHxD	mm	700x600x215	700x600x215
Package Dimension	WxHxD	mm	788x697x283	788x697x283
Net Weight/Gross Weight	Indoor	kg	15/18	15/18
Outdoor Unit				
Sound Power Level	Outdoor	dB(A)	61	62
Piping Connection	Gas	mm	φ9.52	φ9.52
	Liquid	mm	φ6	φ6
Outline Dimension	WxHxD	mm	848x540x320	848x540x320
Package Dimension	WxHxD	mm	881x595x363	881x595x363
Net Weight/Gross Weight	Outdoor	kg	33/37	33/37
Loading Quantity	40'GP	sets	165	165
	40'HQ	sets	190	190

Free Match 3+ Series



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.

Blu/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+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

	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+21K	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+21K	12K+12K+18K	7K+7K+7K+9K	7K+9K+9K+9K	7K+12K+12K+21K	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
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	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+21K	9K+9K+9K+21K	9K+9K+18K+18K	7K+7K+7K+9K+24K	7K+9K+9K+12K+12K
	18K+18K	7K+12K+12K	9K+12K+24K	18K+18K+21K	7K+7K+9K+24K	7K+9K+18K+24K	9K+9K+9K+24K	9K+12K+12K+12K	7K+7K+7K+12K+12K	7K+9K+12K+12K+12K
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	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



GWHHD(42)NK3AO

Outdoor Unit

Model		GWHHD(14)NK3DO	GWHHD(18)NK3KO	GWHHD(21)NK3KO	GWHHD(24)NK3KO	GWHHD(28)NK3KO	GWHHD(36)NK3BO	GWHHD(42)NK3AO
Capacity	Cooling	Btu/h	14000	18000	21000	24000	28000	35826
	Heating	Btu/h	14000	18000	21000	24000	28000	37532
SEER	W/W		6.1	6.1	6.1	6.1	6.1	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	3.59
	Heating	kW	1.10	1.42	1.65	1.89	2.20	3.75
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
	Package	mm	948×645×420	1029×458×750	1029×458×750	1083×488×855	1083×488×855	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)	1/2(φ12)
	WxHxD	inch(mm)	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

Hansol

Model		GWH(09)JA-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)
	Heating	Btu/h	9383(2750W)	12454(3650W)
	Pdesignh	Btu/h	-	-
Airflow Volume	m ³ /h	550	770	950
Sound Pressure Level	dB(A)	41/36/32/24	43/36/32/24	49/44/39/33
Outline Dimension	WxHxD	mm	816×292×209	866×292×209
Package Dimension	WxHxD	mm	888×377×297	945×377×297
Net Weight/Gross Weight	kg	10.5/13	11/13.5	15/18.5
Loading Quantity	40'GP	sets	591	586
	40'HQ	sets	669	640

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
	Heating	Btu/h	8871	8871	12966
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)
	Liquid	inch(mm)	1/4(φ6)	1/4(φ6)	1/4(φ6)
Dimension(W×D×H)	Outline	mm	860×153×299	860×153×299	898×159×320
	Package	mm	944×247×386	944×247×386	973×255×403
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
	40'GP/40'HQ	sets	666/776	666/776	612/678

Lomo



Model		GWH(07)QB-K3DNA1A/I	GWH09QB-K3DNA1G/I	GWH12QC-K3DNA1G/I	GWH18QD-K3DNA1G/I
Capacity	Cooling	Btu/h	7200	9000	12000
	Heating	Btu/h	8900	9600	12500
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	580	680	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)
	Liquid	inch(mm)	1/4(φ6)	1/4(φ6)	1/4(φ6)
Dimension(W×D×H)	Outline	mm	790×200×275	790×200×275	845×209×289
	Package	mm	866×271×367	866×271×367	921×281×379
Net Weight/Gross weight	kg	9/11.5	9/11	10/12	13.5/16.5
Loading quantity	20'GP	sets	332	332	300
	40'GP/40'HQ	sets	692/804	692/804	606/728

Cozy



Model		GWH09MB-K3DNE3G/I	GWH12MB-K3DNE3G/I	GWH18MC-K3DNE3G/I
Capacity	Cooling	Btu/h	9000	12000
	Heating	Btu/h	10200	13600
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)
	Liquid	inch(mm)	1/4(φ6)	1/4(φ6)
Dimension(W×D×H)	Outline	mm	845×180×275	845×180×275
	Package	mm	918×370×258	918×370×258
Net Weight/Gross weight	kg	9/11	9/11	13/16
Loading quantity	20'GP	sets	318	318
	40'GP/40'HQ	sets	798/884	798/884

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		m³/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)	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		m³/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		m³/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		m³/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	
Connecting pipe	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	Dimension (W×D×H)	Outline	mm	570×570×230	570×570×230	840×840×240
		Package	mm	851×731×325	851×731×325	963×963×325
	Net Weight/Gross weight	kg	18/23	18/23	38/40	
Panel	Dimension (W×D×H)	Outline	mm	650×650×50	650×650×50	950×950×60
		Package	mm	733×673×117	733×673×117	1043×1028×130
	Net Weight/Gross weight	kg	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		m³/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



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

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

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

163 Combinations

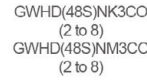
	Two units	Three units	Four units	Five units	Six units
7+18	7+7+7	7+18+24	9+21+24	7+7+7+7	7+7+9+9+21
7+21	7+7+9	7+21+21	12+12+12	7+7+7+9	7+7+9+12+12
7+24	7+7+12	7+21+24	12+12+18	7+7+7+12	7+7+9+12+18
9+12	7+7+18	7+24+24	12+12+21	7+7+7+18	7+7+9+12+21
9+18	7+7+21	9+9+9	12+12+24	7+7+7+21	7+7+9+12+24
9+21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

288 Combinations

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

288 Combinations

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



GWHD(48S)NK3CO (2 to 8)
GWHD(48S)NM3CO (2 to 8)

448 Combinations

	Two units		Three units			Four units						
	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+21	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	-



GWHD(56S)NK3CO (2 to 9)
GWHD(56S)NM3CO (2 to 9)

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



GWHD(56S)NK3CO (2 to 9)
GWHD(56S)NM3CO (2 to 9)

	Six units				
	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+18	7+9+9+12+12+18	-
	7+7+7+7+7+12	7+7+7+9+12+18	7+7+9+9+12+24	7+9+9+12+12+18	-
	7+7+7+7+7+18	7+7+7+9+12+21	7+7+9+9+18+18	7+9+12+12+12+18	-
	7+7+7+7+7+21	7+7+7+9+12+24	7+7+9+9+18+21	7+12+12+12+12+12	-
	7+7+7+7+7+24	7+7+7+9+18+18	7+7+9+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+9+12+18	9+9+9+9+12+12	-
	7+7+7+7+9+12	7+7+7+9+18+24	7+7+9+9+12+21	9+9+9+9+18	-
	7+7+7+7+9+18	7+7+7+9+21+21	7+7+9+9+12+24	9+9+9+9+21	-
	7+7+7+7+9+21	7+7+7+9+12+12+12	7+7+9+9+12+18+18	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+12	9+9+9+9+18	-
	7+7+7+7+12+18	7+7+7+12+12+24	7+9+9+9+18	9+9+9+9+21	-
	7+7+7+7+12+21	7+7+7+12+18+18	7+9+9+9+21	9+9+9+9+24	-
	7+7+7+7+12+24	7+7+7+12+18+21	7+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+9+12+12	-
	7+7+7+7+18+21	7+7+9+9+9+12	7+9+9+9+18	9+9+9+9+12+18	-
	7+7+7+7+18+24	7+7+9+9+9+18	7+9+9+9+24	9+9+9+9+12+21	-
	7+7+9+9+9	7+7+9+9+9+12	7+9+9+9+18	9+9+9+9+12+24	-
	7+7+9+9+12	7+7+9+9+9+18	7+9+9+9+24	9+9+9+9+18+18	-
	7+7+9+9+18	7+7+9+9+9+21	7+9+9+9+24	9+9+9+9+18+18	-
	7+7+9+9+21	7+7+9+9+9+24	7+9+9+9+24	9+9+9+9+18+18	-
	7+7+9+9+24	7+7+9+9+9+24	7+9+9+9+24	9+9+9+9+18+18	-



GWHD(56S)NK3CO (2 to 9)
GWHD(56S)NM3CO (2 to 9)

	Seven units			Eight units		Nine units
	7+7+7+7+7+7+7	7+7+7+7+9+9+21	7+7+9+9+9+9+12	7+7+7+7+7+7+7+7	7+7+7+9+9+9+9+9	7+7+7+7+7+7+7+7+7
	7+7+7+7+7+7+9	7+7+7+7+9+9+24	7+7+9+9+9+9+18	7+7+7+7+7+7+7+9	7+7+7+9+9+9+9+12	7+7+7+7+7+7+7+7+9
	7+7+7+7+7+7+12	7+7+7+7+9+9+24	7+7+9+9+9+9+21	7+7+7+7+7+7+7+12	7+7+7+9+9+9+9+12+12	7+7+7+7+7+7+7+7+12
	7+7+7+7+7+7+18	7+7+7+7+9+9+24	7+7+9+9+9+9+24	7+7+7+7+7+7+7+18	7+7+7+9+9+9+9+18	7+7+7+7+7+7+7+7+18
	7+7+7+7+7+7+21	7+7+7+7+9+9+24	7+7+9+9+9+9+24	7+7+7+7+7+7+7+21	7+7+7+9+9+9+9+21	7+7+7+7+7+7+7+7+21
	7+7+7+7+7+7+24	7+7+7+7+9+9+24	7+7+9+9+9+9+24	7+7+7+7+7+7+7+24	7+7+7+9+9+9+9+24	7+7+7+7+7+7+7+7+24
	7+7+7+7+7+9+9	7+7+7+7+9+9+12	7+7+9+9+9+9+12	7+7+7+7+7+7+9+9	7+7+7+9+9+9+9+12	7+7+7+7+7+7+7+9+9
	7+7+7+7+7+9+12	7+7+7+7+9+9+18	7+7+9+9+9+9+18	7+7+7+7+7+7+9+12	7+7+7+9+9+9+9+18	7+7+7+7+7+7+7+9+12

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(WxDxH)	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 328	328	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	318	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
	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
Panel	Dimension (WxHxD)	Outline	mm 650×650×50	650×650×50	950×950×60	950×950×60
	Package	mm 733×673×117	733×673×117	1043×1028×130	1043×1028×130	1043×1028×130
	Net weight/Gross weight	kg	2.5/3.5	2.5/3.5	6.5/10	6.5/10
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	PhV/Hz		1/220~240/50	1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume	m ³ /h		650	650	950	1250
	CFM		382.5	382.5	559	736
Sound pressure level (SH/H/MH/MML/L/SL)	dB(A)		40/38/36	40/38/36	45/42/40	48/46/44
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ5/8(15.9)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ3/8(9.52)
Dimension(WxHxD)	Outline	mm	1220×700×225	1220×700×225	1220×700×225	1220×700×225
	Package	mm	1343×823×315	1343×823×315	1343×823×315	1343×823×315
Net weight/Gross weight	kg		40/50	40/50	40/50	45/54
Loading quantity	20'GP	sets	66	66	66	66
	40' GP/40' HQ	sets	132/132	132/132	132/132	132/132

Console



Model			GEH(09)AA-K3DNA1C/I	GEH(12)AA-K3DNA1C/I	GEH(18)AA-K3DNA1C/I
Capacity	Cooling	Btu/h	8873	11942	18083
	Heating	Btu/h	9553	12969	19790
Power supply	PhV/Hz		1/220~240/50	1/220~240/50	1/220~240/50
Airflow volume	m ³ /h		500	600	650
	CFM		294	353	383
Sound pressure level (SH/H/MH/MML/L/SL)	dB(A)		40/38/36/33/30/27/25	42/40/38/37/35/32/27	48/46/44/41/37/35/32
Connecting pipe	Gas	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)
	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	700×215×600	700×215×600	700×215×600
	Package	mm	788×283×697	788×283×697	788×283×697
Net weight/Gross weight	kg		15/18	15/18	15/18
Loading quantity	20'GP	sets	181	181	181
	40' GP/40' HQ	sets	381/454	381/454	381/454

Control System Lineup

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

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

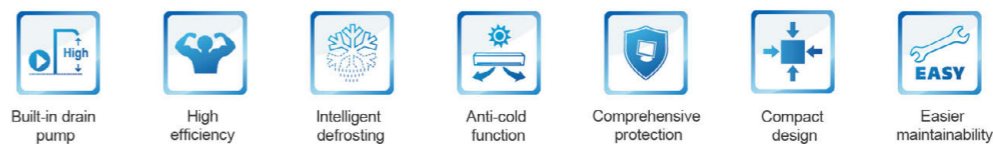
Light Commercial

U-Match



Inverter Series

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



- Double ambient temperature sensor design makes a precision temperature monitoring.
- law start-up current thanks to power delay control design
- Higher efficiency thanks to sine wave DC inverter compressor control.
- High reliability and easy maintenance thanks to one piece integrated PCB board.
- Stable cooling/heating under -15°C outdoor environment temperature (for the unit CUHD*C10).


















Indoor Unit

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

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

Units Lineup

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

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

Drain Pump

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

Features: ● Standard ● Optional ● Without



Model	Outdoor unit		GUHD09NK3FO	GUHD09NK3FO	GUHD12NK3FO	GUHD12NK3FO	GUHD12NK3FO	GUHD18NK3FO	GUHD18NK3FO
	Indoor unit		Duct	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	
Power supply	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	
	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
		CFM	382.525	353.1	441.375	411.95	411.95	588.5	447.26
	Air flow volume(H/M/L)	m³/h	650	600	750	700	700	1000	760
		ESP	Rated	Pa	25	0	25	0	25
	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	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/—/—
		Outline	mm	848×320×540	848×320×540	848×320×540	848×320×540	848×320×540	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
		Gas	inch(mm)	3/8	3/8	3/8	3/8	3/8	1/2
	Max.distance	Height	m	15	15	15	15	15	15
		Length	m	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	



Model	Outdoor unit		GUHD18NK3FO	GUHD24NK3FO	GUHD24NK3FO	GUHD24NK3FO	GUHD30NK3FO	GUHD30NK3FO	GUHD30NK3FO
	Indoor unit		Floor ceiling GTH18K3FI	Duct GFH24K3FI	Cassette GKH24K3FI	Floor ceiling GTH24K3FI	Duct GFH30K3FI	Cassette GKH30K3FI	Floor ceiling GTH30K3FI
Capacity	Cooling	W	5000	7000	7000	7000	8300	8300	8500
		Btu/h	17060	23884	23884	23884	28319.6	28319.6	29002
SEER/SCOP	Heating	W	5600	8000	8000	8000	9200	9200	9200
		Btu/h	19107.2	27296	27296	27296	31390.4	31390.4	31390.4
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	
EER / C.O.P	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
		m³/h	1000	1400	1300	1200	1400	1500	1500
	ESP	Rated	Pa	0	25	0	0	37	0
		Range	Pa	0	0-75	0	0	0-75	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
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
		Package	mm	1029X458X750	1083X488X855	1083X488X855	1083X488X855	1083X488X855	1083X488X855
	Net weight	kg	47.0	67.0	67.0	71.0	71.0	71.0	
Gross weight	kg	50.0	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
		Gas	inch(mm)	1/2	5/8	5/8	5/8	5/8	5/8
	Max.distance	Height	m	15	15	15	15	15	15
		Length	m	20	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

Model	Outdoor unit		GUHD36NK3FO	GUHD36NK3FO	GUHD36NK3FO	GUHD36NM3FO	GUHD36NM3FO	GUHD36NM3FO	GUHD42NK3FO	
	Indoor unit		Duct GFH36K3FI	Cassette GKH36K3FI	Floor ceiling GTH36K3FI	Duct GFH36K3FI	Cassette GKH36K3FI	Floor ceiling GTH36K3FI	Duct GFH42K3FI	
Capacity	Cooling	W	10000	10000	10000	10000	10000	10000	11500	
		Btu/h	34120	34120	34120	34120	34120	34120	39238	
SEER/SCOP	Heating	W	12000	12000	12000	12000	12000	12000	13500	
		Btu/h	40944	40944	40944	40944	40944	40944	46062	
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		
EER / C.O.P	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	18.80	
	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	
		m³/h	2100	1860	1900	2100	1860	1900	2100	
	ESP	Rated	Pa	37	0	0	37	0	0	
		Range	Pa	0-100	0	0	0-100	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	
		Gas	inch(mm)	5/8	5/8	5/8	5/8	5/8	5/8	
	Max.distance	Height	m	15	15	15	15	15	30	
		Length	m	30	30	30	30	30	50	
Loading quantity	40'GP		45	43	45	45	43	45	52	
	40'HQ		60	50	58	60	50	56	58	



Model	Outdoor unit		GUHD42NK3FO	GUHD42NK3FO	GUHD42NM3FO	GUHD42NM3FO	GUHD42NM3FO	GUHD48NK3FO	GUHD48NK3FO	
	Indoor unit		Cassette GKH42K3FI	Floor ceiling GTH42K3FI	Duct GFH42K3FI	Cassette GKH42K3FI	Floor ceiling GTH42K3FI	Duct GFH48K3FI	Cassette GKH48K3FI	
Capacity	Cooling	W	11000	11500	11500	11000	11500	14000	14000	
		Btu/h	37532	39238	39238	37532	39238	47768	47768	
Capacity	Heating	W	12500	13500	13500	12500	13500	15500	16000	
		Btu/h	42650	48062	48062	42650	48062	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		
EER / C.O.P	Btu/h.W	9.62/11.22	10.06/12.45	9.81/11.81	9.62/11.22	10.06/12.32	10.16/12.02	10.38/12.13		
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	
		m³/h	1860	1900	2100	1860	1900	2400	2300	
	ESP	Rated	Pa	0	0	37	0	0	0	
		Range	Pa	0	0	0-100	0	0	0-125	
	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	
		Package	mm	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	
		Gas	inch(mm)	5/8	5/8	5/8	5/8	5/8	5/8	
	Max.distance	Height	m	30	30	30	30	30	30	
		Length	m	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	



Model	Outdoor unit		GUHD48NK3FO	GUHD48NM3FO	GUHD48NM3FO	GUHD48NM3FO	GUHD60NM3FO	GUHD60NM3FO	GUHD60NM3FO	
	Indoor unit		Floor ceiling GTH48K3FI	Duct GFH48K3FI	Cassette GKH48K3FI	Floor ceiling GTH48K3FI	Duct GFH60K3FI	Cassette GKH60K3FI	Floor ceiling GTH60K3FI	
Capacity	Cooling	W	14000	14000	14000	14000	16000	16000	16000	
		Btu/h	47768	47768	47768	47768	54592	54592	54592	
Capacity	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		
EER / C.O.P	Btu/h.W	9.95/12.70	9.37/11.75	9.28/12.13	9.55/12.13	9.75/12.32	9.58/12.34	9.49/12.34		
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	6.70	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	
		m³/h	2300	2400	2300	2300	3000	2400	2500	
	ESP	Rated	Pa	0	50	0	0	50	0	
		Range	Pa	0	0-125	0	0	0-150	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	
		Gas	inch(mm)	5/8	5/8	5/8	5/8	3/4	3/4	
	Max.distance	Height	m	30	30	30	30	30	30	
		Length	m	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	