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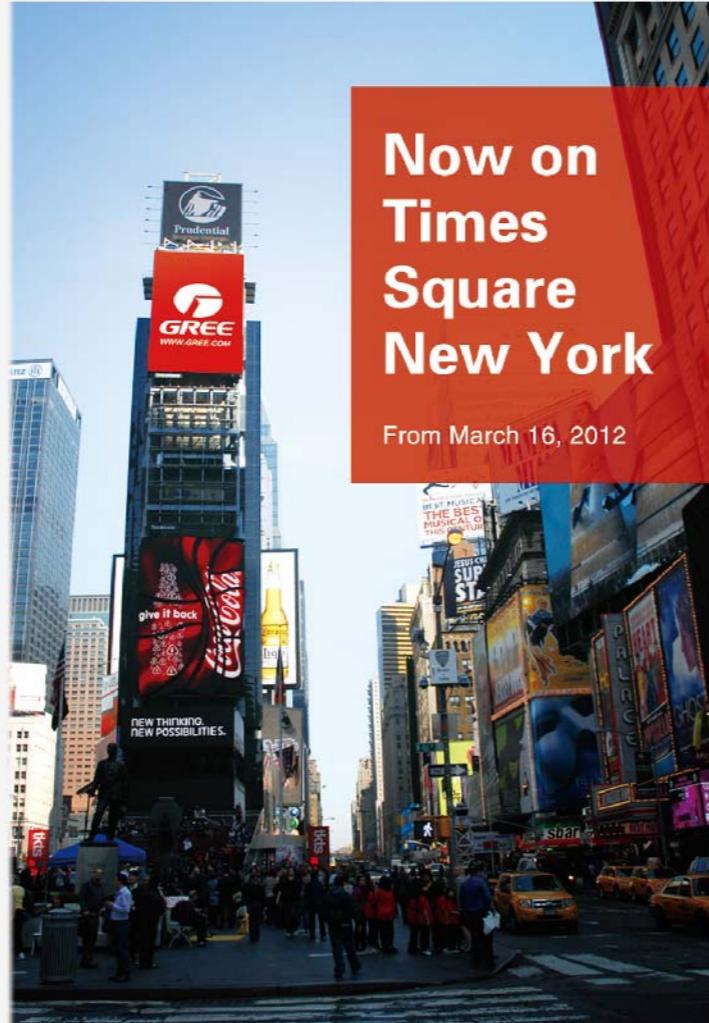
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GR1311-02

2014

RAC EU

Gree Profile



No.1 air conditioner manufacturer



9 production bases



1 in 3 air conditioner sold worldwide is made by Gree
one sec one set

مکیفر گازی مکیف الهواء
air conditioner
랭온풀기 エアコン 냉온전기
空调 climatiseur
acondicionador de aire
ar condicionado

250,000,000 users



60,000,000 sets RAC annual production capacity



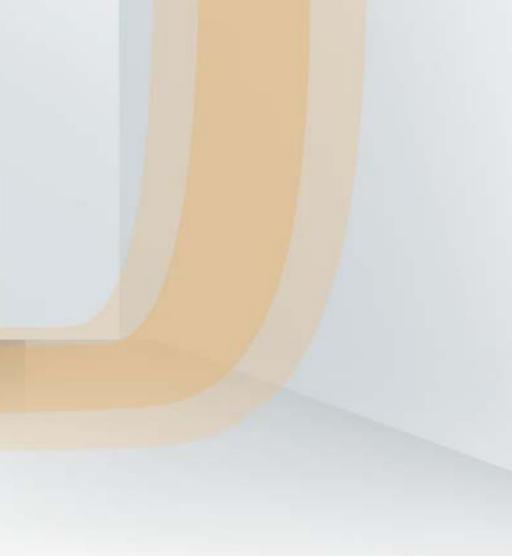
5,500,000 sets CAC annual production capacity



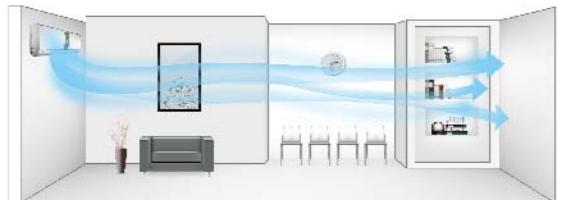
Ceiling Cooling



Floor Heating

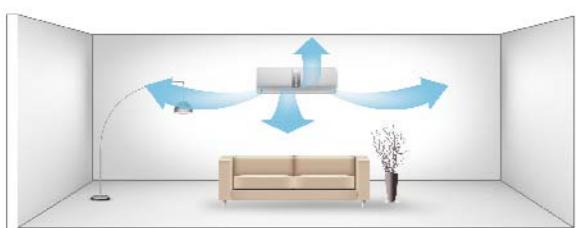


"Turbo" Cooling



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



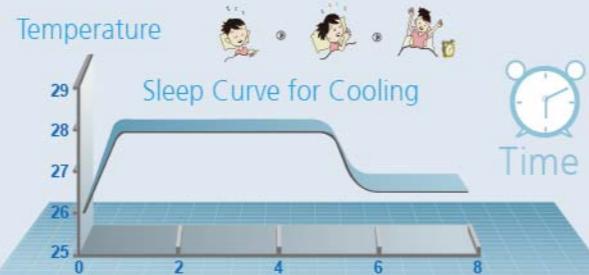
The louver can be vertically or horizontally adjusted so as to maximize comfort in the room.

7 Fan Speeds

From super low to turbo, choose desired air flow.



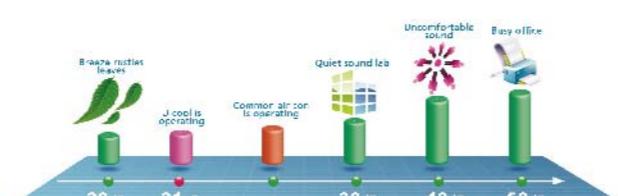
3 Sleep Curves



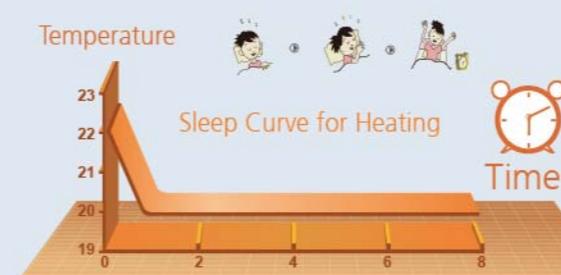
3 Sleep Curves

- 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.

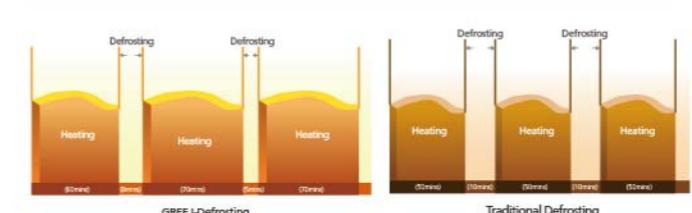
Low Noise



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



Intelligent Defrosting



Maximize warm comfort with shorter defrosting time.

Traditional defrosting works by setting time. E.g. defrosting process is on for 10 mins for every 50mins.

Gree I-Defrosting is only performed when needed, which reduces energy waste by eliminating the unnecessary defrosting process.

Functions for Low Ambient Temperature



8°C Heating

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

-15°C Cooling

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

-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.



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

I Feel

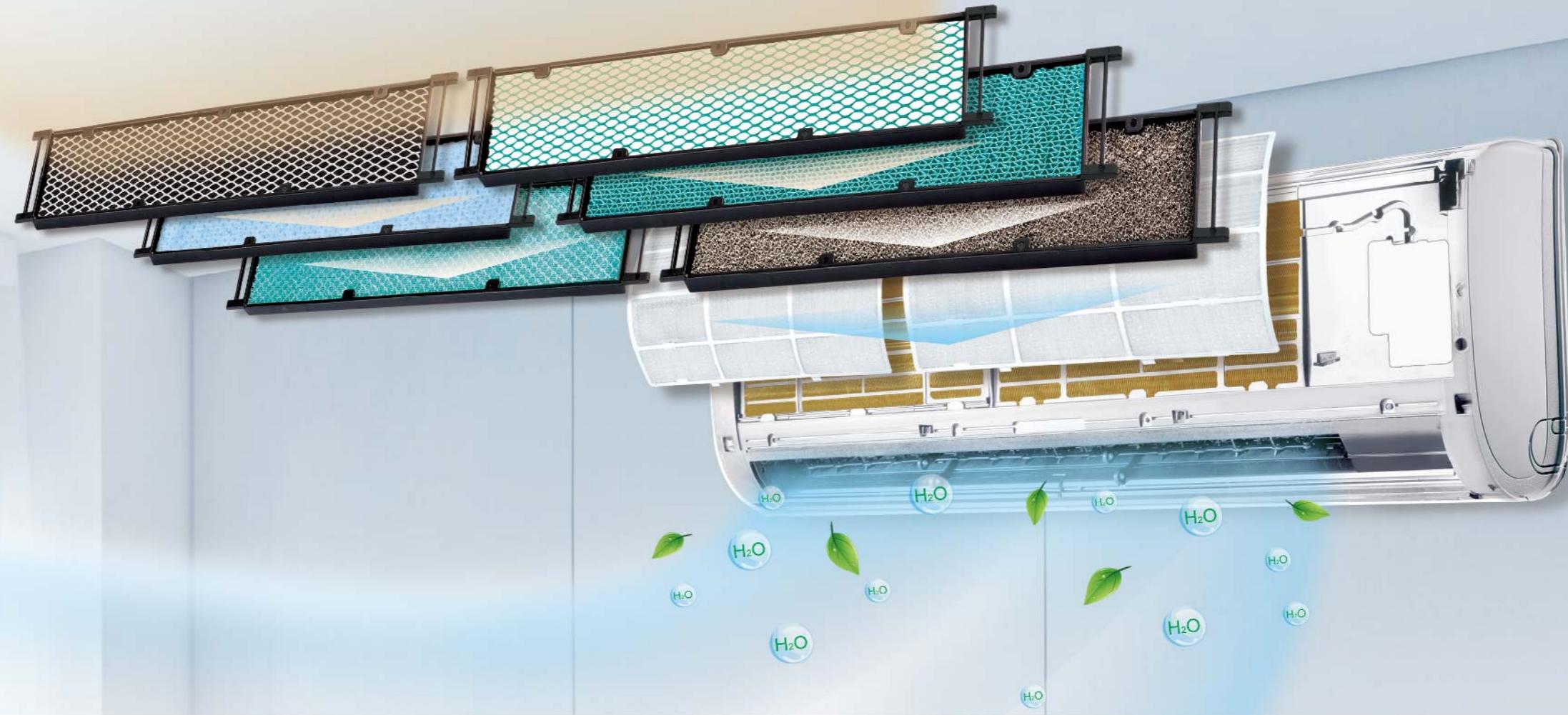
The mini sensor in the remote controller can sense its surrounding temperature, and transmit the signal back to the indoor unit. So the unit can adjust the air flow volume and temperature accordingly so as to provide maximum comfort.



Remoter with I Feel



Remoter without I Feel



Photocatalytic Filter

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



Active Carbon Filter

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



Catechin Filter

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



Silver Ion Filter

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



Multi-function Filter

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

Auto Clean (X-FAN)

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



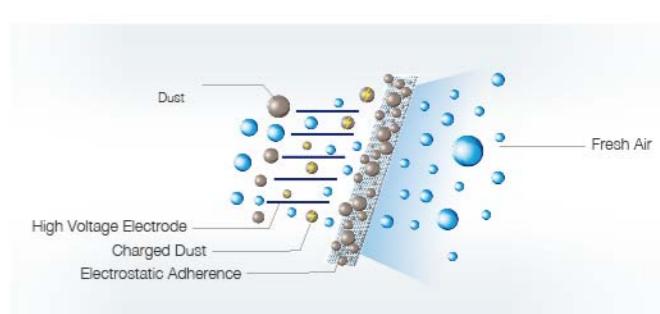
Cold Plasma

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



Electrostatic Dedusting Generator

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

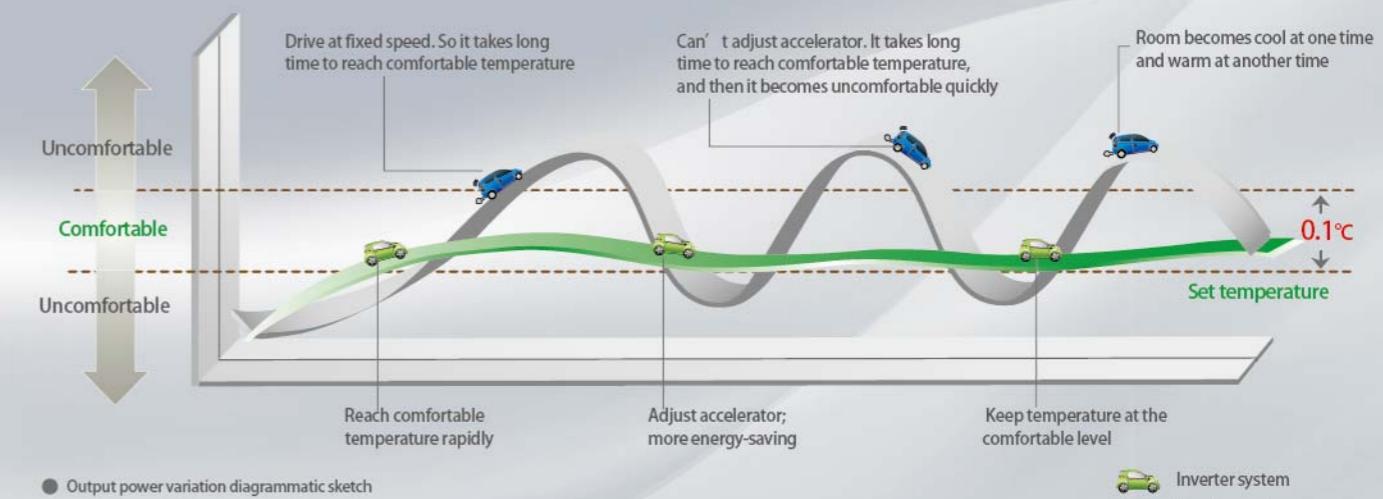


* Notes:Applicable to some selected models



INVERTER

How Inverter Saves Energy



G¹⁰ Inverter

- Ultra low frequency torque control**
 - Constant temperature
 - Energy saving
- High-speed DSP chip**
 - Accurate calculation
 - Efficient operation
- Wide frequency precise control**
 - Unceasing operation
 - Accurate control
- Power factor correction technology**
 - High efficiency
 - Better protection

- Environment-friendly R410A refrigerant**
 - Low-carbon design
 - High efficiency
- Ultra-low noise control**
 - Quiet
 - Comfortable
- Computer simulation control**
 - Less fluctuation
 - Lower noise
- Automatic voltage adaptation(150-260V)**
 - More stability
 - Less damage
- High reliability**
 - Excellent quality
 - Superior performance
- UHF flux-weakening control**
 - Rapid cooling
 - Rapid heating

Key Points for Reaching High Efficiency

Refrigeration System

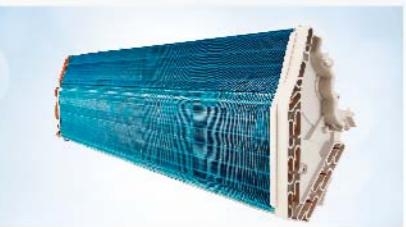


Air Flow System



Control System





Integrated Evaporator

Compact design minimizes IDU size but enhances heat exchange greatly.



Integrated Design

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



Dual Side Installation

Left or right side water outlet, easy for installation



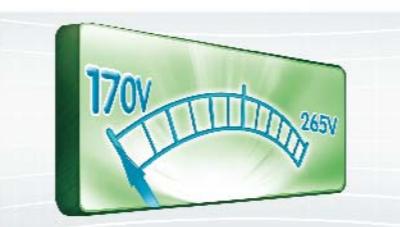
Auto Restart

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



Fire-proof electric box

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



170V Low Voltage Start Up

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



2-Stage compressor



Traditional Compressor



Easy Handle

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



High efficient and Quiet Fan

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



Improved Base Pan Design

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



High Temp Resistance PCB

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



Plastic Casing ODU Anti-corrosion ODU

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



Golden/Blue Fin

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

PRODUCTS OVERVIEW

Series	Capacity (Btu/h)	7000	9000	11000	12000	16000	18000	21000	22000	24000	28000	30000	36000	42000	48000	60000	Page
Wall-mounted Type																	
Hansol					●		●			●							15
U-Grace				●		●		●									18
Viola				●		●		●									20
Lomo				●		●		●									23
Cozy				●		●		●									25
Change				●		●		●									27
Floor Standing																	
Fresh wind								●		●		●					29
Crown									●				●				31
Portable Type																	
Koobe					●		●										33
Cutee						●											34
Laffis							●		●								35

Series	Capacity (Btu/h)	5000	7000	9000	12000	14000	18000	20000	21000	24000	28000	30000	36000	48000	60000	Page
Dehumidifier																
Fancy					●		●	●			●					36
Diamond					●		●									37
Sunny							●			●	●		●			38
Precise										●		●				39
Air Purifier																
Air Purifier																40
Aqua																41
Light Commercial																
Console						●		●		●						42
Free Match 3								●		●	●		●			43
Super Free -Match												●	●	●		49
U-Match								●		●	●	●				56

Hansol Series



7 Fan Speeds

- From MUTE to TURBO, maximize your comfortable experience.



Advanced Airflow Design

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



G10 Inverter
Optional

G10 Technology	Automatic Operation	LED Display	Intelligent Defrosting	3D Airflow	Clock Display	8 °C Heating	3 Sleep Curves	Cold Air Prevention	Quiet Design	Timer
-20°C Heating	Electrostatic Dedusting	Healthy Filters	Cold Plasma	-15°C Cooling	1 W Standby	Two-stage Compressor				

Features: Standard Optional

Model	GWH09TA-S3DNA1C		GWH09TB-S3DNA1C		GWH12TB-S3DNA1C		GWH18TC-S3DNA1B		GWH24TD-S3DNA1B	
Function	Cooling/Heating		Cooling/Heating		Cooling/Heating		Cooling/Heating		Cooling/Heating	
Capacity	Cooling(pdc)	Btu/h	9000	9000	12000	18000	24000	24000	24000	24000
	Heating	Btu/h	9500	9500	12500	18000	24000	24000	24000	24000
	Pdesignh(A)/Pdesignh (C)	Btu/h	9500	10000	12000	18000	24000	24000	24000	24000
SEER/SCOP(A)/SCOP(C)	W/W		7.8/4.2	8.5/4.6	7.8/4.6	6.4/4.0	6.3/4.0	6.4/4.0	6.3/4.0	6.3/4.0
Energy Class	A++/A+		A+++/A++	A+++/A++	A++/A++	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Power Supply	Ph,V,Hz		1Ph,220-240V,50/60Hz							
Power Input	Cooling	W	660	600	890	1514	2000	2000	2000	2000
	Heating	W	640	610	900	1600	2170	2170	2170	2170
Rated Current	Cooling	A	3.3	3.0	4	12.08	15.46	15.46	15.46	15.46
	Heating	A	3.2	3.0	4.0	14.0	14.2	14.2	14.2	14.2
Airflow Volume	Indoor	m³/h	550	720	740	950	1200	1200	1200	1200
Indoor Unit										
Sound Power Level	Indoor	dB(A)(SH/HML)	55/50/48/46/42/38/35	57/50/48/46/42/38/35	59/50/48/46/42/38/35	59/54/51/49/46/43/40	63/60/58/55/53/49/45	63/60/58/55/53/49/45	63/60/58/55/53/49/45	63/60/58/55/53/49/45
Outline Dimension	WxHxD	mm	806x292x209	866x292x209	866x292x209	1018x319x230	1178x326x264	1178x326x264	1178x326x264	1178x326x264
Package Dimension	WxHxD	mm	888x297x377	945x297x377	942x374x282	1097x340x397	1256x364x414	1256x364x414	1256x364x414	1256x364x414
Net Weight/Gross Weight	Indoor	kg	10.5/13.5	11/14	11/14	15/18.5	18/24	18/24	18/24	18/24
Outdoor Unit										
Sound Power Level	Outdoor	dB(A)	63	63	65	65	70	70	70	70
Piping Connection	Gas	mm	ø9.52	ø12	ø12	ø16	ø16	ø16	ø16	ø16
	Liquid	mm	ø6							
Outline Dimension	WxHxD	mm	899x596x378	899x596x378	899x596x378	955x700x396	980x790x427	980x790x427	980x790x427	980x790x427
Package Dimension	WxHxD	mm	948x645x420	948x645x420	945x417x630	1029x750x458	1083x855x488	1083x855x488	1083x855x488	1083x855x488
Net Weight/Gross Weight	Outdoor	kg	45.5/49.5	45.5/49.5	45.5/49.5	49/53	68/73	68/73	68/73	68/73
Loading Quantity										
40'GP	sets	167	166	166	119	84	84	84	84	84
	40'HQ	sets	187	186	186	135	104	104	104	104

Low ambient cooling and heating

Model	GWH09TA-S3DBA1D		GWH09TB-S3DBA1D		GWH12TB-S3DBA1D		GWH18TC-S3DBA1D		GWH24TD-S3DBA1D	
Function	Cooling/Heating		Cooling/Heating		Cooling/Heating		Cooling/Heating		Cooling/Heating	
Capacity	Cooling(pdc)	Btu/h	9000	9000	12000	18000	24000	24000	24000	24000
	Heating	Btu/h	9500	9500	12500	19100	24000	24000	24000	24000
	Pdesignh(A)/Pdesignh (C)	Btu/h	9500	10000	12000	18000/18424	24000/24000	24000/24000	24000/24000	24000/24000
SEER/SCOP(A)/SCOP(C)	W/W		7.8/4.2	8.5/4.6	7.8/4.6	6.4/4.0/2.7	5.8/4.0/3.3	5.8/4.0/3.3	5.8/4.0/3.3	5.8/4.0/3.3
Energy Class	A++/A+		A+++/A++	A+++/A++	A++/A++	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Power Supply	Ph,220-240V,50/60Hz		1Ph,220-240V,50/60Hz	1Ph,220-240V,50/60Hz	1Ph,220-240V,50/60Hz	1Ph,230V,50Hz	1Ph,230V,50Hz	1Ph,230V,50Hz	1Ph,230V,50Hz	1Ph,230V,50Hz
Power Input	Cooling	W	660	600	890	1514	2000	2000	2000	2000
	Heating	W	640	610	900	1600	1950	1950	1950	1950
Rated Current	Cooling	A	3.3	3.0	4	6.72	8.87	8.87	8.87	8.87
	Heating	A	3.2	3.0	4.0	7.1	8.65	8.65	8.65	8.65
Airflow Volume	Indoor	m³/h	550	720	740	950	1200	1200	1200	1200
Indoor Unit										
Sound Power Level	Indoor	dB(A)(SH/HML)	55/50/48/46/42/38/35	57/50/48/46/42/38/35	59/50/48/46/42/38/35	60/56/54/52/50/48/46	65/62/58/56/54/52/50	65/62/58/56/54/52/50	65/62/58/56/54/52/50	65/62/58/56/54/52/50
Outline Dimension	WxHxD	mm	806x292x209	866x292x209	866x292x209	1018x319x230	1178x326x264	1178x326x264	1178x326x264	1178x326x264
Package Dimension	WxHxD	mm	888x297x377	942x374x282	942x374x282	1097x340x397	1256x364x414	1256x364x414	1256x364x414	1

U-Grace Series

Low ambient cooling and heating

Model	GWH09TA-S3DNA1B	GWH09TB-S3DNA1B	GWH12TB-S3DNA1B	GWH18TC-S3DBA1B	GWH24TD-S3DBA1B
Function	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling(pdc) Btu/h	8500	8500	12000	18000
	Heating Btu/h	9500	9500	12500	18000
	Pdesignh/AV Pdesignh (C)	9500	12000	13000	18000
SEER/SCOP(A)/SCOP(C)	W/W	7.0/4.0	7.5/4.6	7.0/4.6	6.4/4.0
Energy Class	A++/A+	A++/A++	A++/A++	A++/A+	A++/A+
Power Supply	Ph,V,Hz	1Ph/220-240V/50,60Hz	1Ph/220-240V/50,60Hz	1Ph/220-240V/50,60Hz	1Ph/220-240V/50,60Hz
Power Input	Cooling W	650	520	900	1514
	Heating W	685	565	895	1600
Rated Current	Cooling A	2.9	2.3	4.0	12.0
	Heating A	3.0	2.5	4.0	14.0
Airflow Volume	Indoor m³/h	550	730	770	950
Indoor Unit					
Sound Power Level	Indoor dB(A)(SH/H/M)	58/50/48/46/42/38/35	58/51/49/47/43/39/36	59/51/49/47/43/39/37	60/56/54/52/50/48/46
Outline Dimension	WxHxD mm	806x292x209	866x292x209	866x292x209	1018x319x230
Package Dimension	WxHxD mm	888x297x377	945x297x377	942x374x282	1097x340x397
Net Weight/Gross Weight	Indoor kg	10.5/13.5	11.0/14.0	11.0/14.0	15/18.5
Outdoor Unit					
Sound Power Level	Outdoor dB(A)	62	62	63	65
Piping Connection	Gas mm	φ9.52	φ9.52	φ9.52	φ16
	Liquid mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD mm	848x540x320	899x596x378	899x596x378	955x700x396
Package Dimension	WxHxD mm	881x595x363	948x645x420	945x417x630	1029x750x458
Net Weight/Gross Weight	Outdoor kg	36.0/40.0	43.0/47.0	43.0/47.0	49.0/53.0
Loading Quantity	40'GP sets	188	166	166	119
	40'HQ sets	218	186	186	135
					104



159mm
Slim body

Comfortable
Energy-saving mode

- Only 159mm inspired by beautiful U design, it presents more space flexibility and greater artistry.
- It offers a perfect balance between most comfortable temperature and least power consumption.

G¹⁰ Inverter



Features: Standard Optional

Viola Series

Model		GWH09UB-K3DNA2E	GWH12UB-K3DNA2E	GWH18UC-K3DNA2E
Function		Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000
	Heating	Btu/h	9500	13000
	Pdesignh	Btu/h	9200	11300
SEER/SCOP(A)		W/W	6.1/4.0	6.1/4.0
Energy Class			A++/A+	A++/A+
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	720	1090
	Heating	W	760	1170
Rated Current	Cooling	A	6.0	6.5
	Heating	A	7.0	7.5
Airflow Volume	Indoor	m³/h	560	560
Indoor Unit				
Sound Power Level	Indoor	dB(A)/SH/H/ML	55/52/49/47/45/43/41	55/53/50/48/46/44/42
Outline Dimension	WxHxD	mm	896x320x159	896x320x159
Package Dimension	WxHxD	mm	973x255x403	973x255x403
Net Weight/Gross Weight	Indoor	kg	11.0/14.0	11.0/14.0
Outdoor Unit				
Sound Power Level	Outdoor	dB(A)	63	63
Piping Connection	Gas	mm	φ9.52	φ12
	Liquid	mm	φ6	φ6
Outline Dimension	WxHxD	mm	776x540x320	848x596x320
Package Dimension	WxHxD	mm	851x595x363	881x645x363
Net Weight/Gross Weight	Outdoor	kg	31/35	34/37
Loading Quantity	40'GP	sets	207	194
	40'HQ	sets	239	216
			125	139



Colorful Curve Design

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

Integrated Design

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



Features: ● Standard ● Optional

Model			GWH09RB-K3DNA3C	GWH12RB-K3DNA3C	GWH18RC-K3DNA3C	GWH24RD-K3DNA3C	
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	
Capacity	Cooling	Btu/h	9000	12000	18000	22000	
	Heating	Btu/h	9500	12500	18000	22000	
	Pdesignh(A)/Pdesignh (C)	Btu/h	9000	12000	18083	22000	
SEER/SCOP(A)/SCOP(C)		W/W	6.4/4.0	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,220-240V,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	m³/h	600	600	850	1000
Indoor Unit							
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	58/49/44/38	58/50/46/38	57/53/38/44	65/60/58/55	
Outline Dimension	WxHxD	mm	848x274x189	848x274x189	945x298x211	1018x315x223	
Package Dimension	WxHxD	mm	926x371x267	926x371x267	1013x300x383	1086x328x398	
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	φ16	
	Liquid	mm	φ6	φ6	φ6	φ6	
Outline Dimension	WxHxD	mm	776x540x320	848x540x320	955x700x396	980x790x427	
Package Dimension	WxHxD	mm	851x595x363	881x595x363	1029x750x458	1083x855x488	
Net Weight/Gross Weight	Outdoor	kg	30/32	33/35	46/51	62/67	
Loading Quantity							
Loading Quantity	40'GP	sets	216	211	127	95	
	40'HQ	sets	246	246	147	113	

Low ambient cooling and heating

Model			GWH09RB-K3DBA3E	GWH12RB-K3DBA3E	GWH18RC-K3DBA3E	GWH24RD-K3DBA3E
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000	18000	22000
	Heating	Btu/h	9500	12500	18500	22000
	Pdesignh(A)/Pdesignh (C)	Btu/h	9000/9500	12000/12500	18000/18500	22000/22000
SEER/SCOP(A)/SCOP(C)	W/W	6.5/4.0	6.6/4.4	5.6	5.8	
Energy Class		A++/A+	A++/A+	A+	A+	
Power Supply	Ph,V,Hz	1Ph,220-240(230)V,50Hz	1Ph,220-240(230)V,50Hz	1Ph,220-240(230)V,50Hz	1Ph,220-240(230)V,50Hz	
Power Input	Cooling	W	640	980	1620	1940
	Heating	W	650	920	1650	1910
Rated Current	Cooling	A	7.39	7.39	10.87	13.1
	Heating	A	7.39	7.39	10.87	17.4
Airflow Volume	Indoor	m³/h	600	600	850	1000
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	55/51/-/46/-/37	55/51/-/46/-/37	57/53/48/44	63/58/54/51
Outline Dimension	WxHxD	mm	848x274x189	848x274x189	945x298x211	1018x315x223
Package Dimension	WxHxD	mm	926x371x267	926x371x267	1013x300x383	1086x328x398
Net Weight/Gross Weight	Indoor	kg	10/12	10/12	12/15	14/17.5
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	63	63	65	70
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848x540x320	899x596x378	955x700x396	980x790x427
Package Dimension	WxHxD	mm	881x595x363	948x645x420	1029x750x458	1083x855x488
Net Weight/Gross Weight	Outdoor	kg	36/40	43/47	48/52.5	63/68
Loading Quantity						
Loading Quantity	40'GP	sets	211	174	127	95
	40'HQ	sets	246	198	149	113

Model			GWH09RB-K3DBA3D	GWH12RB-K3DBA3D	GWH18RC-K3DBA3D	GWH24RD-K3DBA3D
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9,000	12,000	18,000	22,000
	Heating	Btu/h	9,400	12,500	19,107	22,000
	Pdesignh(A)/Pdesignh (C)	Btu/h	9,200/13,650	12,500/17,000	18,000/18,000	22,000/22,000
SEER/SCOP(A)/SCOP(C)	W/W	8.5/4.0/2.8	7.8/4.0/2.8	5.6/3.8/2.7	5.8/3.8/2.7	
Energy Class		A++/A+/C	A++/A+/C	A+/A/D	A+/A/D	
Power Supply	Ph,V,Hz	1Ph,220-240(230)V,50Hz	1Ph,220-240(230)V,50Hz	1Ph,220-240(230)V,50Hz	1Ph,220-240(230)V,50Hz	
Power Input	Cooling	W	580	950	1620	1940
	Heating	W	620	1000	1650	1910
Rated Current	Cooling	A	2.6	4.2	10.87	13.1
	Heating	A	2.7	4.4	10.87	17.4
Airflow Volume	Indoor	m³/h	600	600	850	1000
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	54/49/44/38	55/40/45/38	57/53/48/44	63/58/54/51
Outline Dimension	WxHxD	mm	848x274x189	848x274x189	945x298x211	1018x315x223
Package Dimension	WxHxD	mm	926x371x267	926x371x267	1013x300x383	1086x328x398
Net Weight/Gross Weight	Indoor	kg	10/12	10/12	12/15	14/17.5
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	63	65	65	70
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	899x596x378	899x596x378	955x700x427	980x790x427
Package Dimension	WxHxD	mm	948x645x420	948x645x420	1029x750x458	1083x855x488
Net Weight/Gross Weight	Outdoor	kg	45.5/49.5	45.5/49.5	48/52.5	63/68
Loading Quantity						
Loading Quantity	40'GP	sets	174	174	127	95
	40'HQ	sets	198	198	149	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).



Features: ● Standard ● Optional

Model		GWH09QB-K3DNA1A		GWH12QC-K3DNA1A		GWH18QD-K3DNA1A		GWH24QE-K3DNA1A	
Function		Cooling/Heating		Cooling/Heating		Cooling/Heating		Cooling/Heating	
Capacity	Cooling	Btu/h	8900	12000	18000	22000			
	Heating	Btu/h	10200	13000	19790	23000			
	Pdesignh	Btu/h	7165	9212	15354	21000			
SEER/SCOP (A)		W/W	5.6/3.8	5.1/3.8	5.6/3.8	6.2/3.8			
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	860	1168	1625	1760			
	Heating	W	930	1550	1760	2360			
Rated Current	Cooling	A	6.3	6.9	10.9	16.5			
	Heating	A	6.9	7.3	11.5	18.45			
Airflow Volume	Indoor	m³/h	560	660	800	1150			
Indoor Unit									
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	55/52/44/38	56/53/45/39	58/54/51/48	64/6158/54			
Outline Dimension	WxHxD	mm	790x275x200	845x289x209	970x300x224	1078x325x246			
Package Dimension	WxHxD	mm	866x367x271	921x379x281	1041x320x383	1148x350x413			
Net Weight/Gross Weight	Indoor	kg	9/11.5	10/12.5	13.5/16.5	17/20.5			
Outdoor Unit									
Sound Power Level	Outdoor	dB(A)	61	62	63	70			
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16			
	Liquid	mm	φ6	φ6	φ6	φ6			
Outline Dimension	WxHxD	mm	776x540x320	848x540x320	955x700x396	955x700x396			
Package Dimension	WxHxD	mm	823x595x358	881x595x363	1029x750x458	1029x750 x458			
Net Weight/Gross Weight	Outdoor	kg	28/30.5	30/33.5	46/51	54.5/59.5			
Loading Quantity	40'GP	sets	224	196	127	118			
	40'HQ	sets	262	240	146	131			

Cozy Series



Model	GWH09MB-K3DNA3K		GWH12MB-K3DNA3K		GWH18MC-K3DNA3K		GWH24MD-K3DNA3K	
Function	Cooling/Heating		Cooling/Heating		Cooling/Heating		Cooling/Heating	
Capacity	Cooling	Btu/h	9200	12000	18000	22000		
	Heating	Btu/h	9500	13500	19000	24000		
	Pdesignh	Btu/h	9550	10900	15354	19790		
SEER/SCOP (A)	W/W		5.6/3.8	6.1/4.0	5.6/3.8	5.1/3.8		
Energy Class			A+/A	A++/A+	A+/A	A/A		
Power Supply	Ph,V,Hz		1Ph,220V-240V,50Hz	1Ph,220V-240V,50Hz	1Ph,220V-240V,50Hz	1Ph,220V-240V,50Hz	1Ph,220V-240V,50Hz	
Power Input	Cooling	W	870	1170	1625	2180		
	Heating	W	900	1200	1760	2220		
Rated Current	Cooling	A	7	7	11.8	9.76		
	Heating	A	6	6	11.8	12.4		
Airflow Volume	Indoor	m³/h	600	580	850	1000		
Indoor Unit								
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	54/50/45/40	55/52/49/46	58/53/50/45	63/57/52/49		
Outline Dimension	WxHxD	mm	845x275x180	845x275x180	940x298x200	1007x315x219		
Package Dimension	WxHxD	mm	918x370x258	918x370x258	1013x300x383	1076x328x398		
Net Weight/Gross Weight	Indoor	kg	9/12	9/12	13/16	14/17.5		
Outdoor Unit								
Sound Power Level	Outdoor	dB(A)	63	63	63	68		
Piping Connection	Gas	mm	ø9.52	ø9.52	ø12	ø16		
	Liquid	mm	ø6	ø6	ø6	ø6		
Outline Dimension	WxHxD	mm	776x540x320	776x540x320	955x700x396	980x790x427		
Package Dimension	WxHxD	mm	851x595x363	851x595x363	1026x735x455	1083x855x488		
Net Weight/Gross Weight	Outdoor	kg	28/32	29/33	45/50	60/65		
Loading Quantity	40'GP	sets	215	215	127	91		
	40'HQ	sets	244	244	149	113		

Compact Design • A sleek shape fits in your different indoor decorations.

Comfortable energy-saving Mode • It offers a perfect balance between most comfortable temperature and least power consumption.

G¹⁰ Inverter



Features: ● Standard ● Optional

Change Series



Model			GWH09KF-K3DNA5J	GWH12KF-K3DNA5J	GWH18KG-K3DNA5J	GWH24KG-K3DNA5J
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8900	12000	18000	22000
	Heating	Btu/h	10200	13000	19000	24000
	Pdesignh	Btu/h	8871.2	9212.4	16500	19500
SEER/SCOP (A)			5.6/3.8	5.1/3.8	5.4/3.8	5.1/3.8
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
Power Input	Cooling	W	870	1150	1600	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	m³/h	600	680	800	1000
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	55/52/44/38	56/53/45/39	60/55/51/46	63/57/53/49
Outline Dimension	WxHxD	mm	770x201x283	770x201x283	865x215x305	1007x315x219
Package Dimension	WxHxD	mm	855x280x360	855x280x360	948x310x383	1076x328x398
Net Weight/Gross Weight	Indoor	kg	8/11	9/12	12/15	14.5/17.5
Outdoor Unit						
Sound Power Level	Outdoor	dB(A)	62	62	65	68
Piping Connection	Gas	mm	ø9.52	ø9.52	ø12	ø16
	Liquid	mm	ø6	ø6	ø6	ø6
Outline Dimension	WxHxD	mm	776x540x320	848x540x320	955x700x396	980x790x427
Package Dimension	WxHxD	mm	851x595x363	881x595x363	1026x735x455	1083x855x488
Net Weight/Gross Weight	Outdoor	kg	28/32	30/33.5	46/50	55.5/60.5
Loading Quantity	40'GP	sets	228	214	131	91
	40'HQ	sets	258	246	149	113

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



Features: ● Standard ● Optional

Fresh Wind Series



5 Environmental Modes

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

"Turbo" Cooling & Heating

- Large air flow
- Rapid cooling & heating



Features: ● Standard ● Optional

Model	GVA48AD-M3NNA9C		GVA48AH-M3NNA5B		GVA60AH-M3NNA5A
Function	Cooling/Heating				Cooling/Heating
Capacity	Cooling	Btu/h	40944		42000
	Heating	Btu/h	47768		50000
EER/C.O.P	W/W		2.41/2.81		2.61/2.90
Power Supply	Ph,V,Hz		3Ph,380-415V,50Hz		3Ph,380-415V,50Hz
Power Input	Cooling	W	4980		4720
	Heating	W	4980		5050
Rated Current	Cooling	A	13		10.8
	Heating	A	13		10.8
Airflow Volume	Indoor	m³/h	1800		1800
Indoor Unit					
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	54/52/50/48		52/50/48/46
Outline Dimension	WxHxD	mm	581x1870x395		581x1870x395
Package Dimension	WxHxD	mm	2113x515x738		2083x545x738
Net Weight/Gross Weight	Indoor	kg	62/88		60/80
Outdoor Unit					
Sound Power Level	Outdoor	dB(A)	59		59
Piping Connection	Gas	mm	φ19		φ19
	Liquid	mm	φ12		φ12
Outline Dimension	WxHxD	mm	1018x840x412		1032x1250x412
Package Dimension	WxHxD	mm	1103x1000x453		1113x1400x453
Net Weight/Gross Weight	Outdoor	kg	74/84		105/116
Loading Quantity					
	40'GP	sets	41		34
	40'HQ	sets	49		40

Crown Series

INVERTER
Compressors bring more comfort

FLOOR STANDING



Auto Closed-air Outlet

- When off, the sliding door rises, preventing dust coming effectively;
- When on, the sliding door drops, bringing fresh air immediately.

3D Airflow

- Circulating airflow reaches every corner of your room

Large LED Display

- Perfectly integrated with touch button, it makes an elegant appearance.
- Real-time humidity display



Features: ● Standard ● Optional

Model			GVH48AF-M3DNA4A
Function			Cooling/Heating
Capacity	Cooling	Btu/h	46000(13500-6200)
	Heating	Btu/h	52000(15200-6400)
EER/C.O.P			3.21/3.61
Power Supply			Ph,V,Hz
Power Input	Cooling	W	18766(5500-1800)
	Heating	W	18766(5500-700)
Rated Current	Cooling	A	8.9
	Heating	A	8.9
Airflow Volume			Indoor m³/h 1850
Indoor Unit			
Sound Pressure Level	Indoor	dB(A)(H/M/L)	50/47/44/42
Outline Dimension	WxHxD	mm	580x1865x400
Package Dimension	WxHxD	mm	2108x560x738
Net Weight/Gross Weight	Indoor	kg	65/93
Outdoor Unit			
Sound Pressure Level	Outdoor	dB(A)	58
Piping Connection	Gas	mm	φ19
	Liquid	mm	φ12
Outline Dimension	WxHxD	mm	1032x1250x412
Package Dimension	WxHxD	mm	1113x1400x453
Net Weight/Gross Weight	Outdoor	kg	112/123
Loading Quantity			
40'GP	sets		33
40'HQ	sets		38

Koobe Series



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



Features: ● Standard ● Optional

Model			GPC07AH-K3NNC5B		GPC08AH-K3NNC5B	
Function			Cooling		Cooling	
Capacity	Cooling	Btu/h	7000		8000	
	Heating	Btu/h	/		/	
EER/C.O.P		W/W	2.6/-		2.6/-	
Energy Class			A		A	
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz		1Ph,220-240V,50Hz	
Power Input	Cooling	W	790		900	
	Heating	W	/		/	
Rated Current	Cooling	A	3.8		4.7	
	Heating	A	/		/	
Airflow Volume	Indoor side	m³/h	330		330	
Sound Power Level	Indoor side	dB(A)(H/M/L)	65		65	
Outline Dimension	WxHxD	mm	300x807x345		300x807x345	
Package Dimension	WxHxD	mm	562x850x352		355x850x565	
Net Weight/Gross Weight		kg	24/28		24/28	
Loading Quantity	40'GP	sets	264		264	
	40'HQ	sets	396		396	

Cutee Series



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



Features: ● Standard ● Optional

Model			GPC09AI-K3NNC6B	
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	1015	
	Heating	W	-	
Rated Current	Cooling	A	6.44	
	Heating	A	-	
Airflow Volume	Indoor side	m³/h	250	
Sound Power Level	Indoor side	dB(A)(H/M/L)	65/64/63	
Outline Dimension	WxHxD	mm	340x780x394	
Package Dimension	WxHxD	mm	400x815x550	
Net Weight/Gross Weight		kg	27/32.5	
Loading Quantity	40'GP	sets	244	
	40'HQ	sets	366	

Laffis Series



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

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

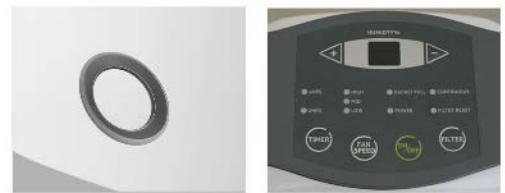
Flexible Castor • Easy for movement.



Features: ● Standard ● Optional

Model			GPC12AJ-K3NNA1A	GPH12AJ-K3NNA1A
Function			Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	12000	12000
	Heating	Btu/h	-	12000
EER/C.O.P			2.61	2.61/3.01
Energy Class			A	A
Power Supply			1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	1350	1350
	Heating	W	-	1170
Rated Current	Cooling	A	5.99	5.99
	Heating	A	-	5.19
Airflow Volume	Indoor side	m³/h	420	420
Sound Power Level	Indoor side	dB(A)(H/M/L)	65/64/63	65/63/61
Outline Dimension	WxHxD	mm	375x775x442	375x775x442
Package Dimension	WxHxD	mm	437x885x555	437x885x555
Net Weight/Gross Weight	kg		40/45	40/45
Loading Quantity	40'GP	sets	222	222
	40'HQ	sets	333	333

Fancy Series



Large Button Design • User-friendly for operation.

Convenient Handle • Convenient controlment
• Flexible movement



Features: ● Standard ● Optional

Model	GDN08AJ-K4MBC1A	GDN10AJ-K4MBC1A	GDN12AJ-K4EBC1A	GDN16AJ-K4EBC1A
Dehumidifying Volume	L/D	8	10	12
Power Supply	Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	W	190	190	230
Power Current	A	0.85	0.85	1.4
Rate Current	A	1.4	1.5	1.5
Airflow Volume	m³/h	100	100	100/80
Sound Power Level	dB(A)(H/L)	43	43	43/41
Water Tank Volume	L	3.0/3.5	3.0/3.5	3.0/3.5
Outline Dimension (WxHxD)	mm	353x496x225	353x496x225	353x496x225
Package Dimension (WxHxD)	mm	396x525x274	396x525x274	396x525x274
Net Weight/Gross Weight	kg	10.5/11.5	10.5/11.5	10.5/11.5
Loading Quantity (40'GP)	sets	1000	1000	1000
Loading Quantity (40'HQ)	sets	1250	1250	1250

Diamond Series



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	1.1	1.1
Rate Current	A	1.2	1.3
Airflow Volume	m³/h	100	110
Sound Power Level	dB(A)(H/-L)	43	43
Water Tank Volume	L	1.5/2	1.5/2
Outline Dimension (WxHxD)	mm	250x505x250	250x505x250
Package Dimension (WxHxD)	mm	295x525x290	295x525x290
Net Weight/Gross Weight	kg	10/12.5	10/12.5
Loading Quantity (40'GP)	sets	1280	1280
Loading Quantity (40'HQ)	sets	1598	1598

Sunny Series



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-K4MBB3A	GDN12AH-K4MBB3A	GDN16AH-K4EBB3A	GDN20AH-K4EBB3A	GDN24AH-K4EBB3A
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	330	380	390
Rated Current	A	1.1	1.1	1.4	1.7	1.7
Airflow Volume	m³/h	150	150	170/145/120	150/130/115	190/170/145
Sound Pressure Level	dB(A)	43	43	45	45	47
Water Tank Volume	L	4.2/4.9	4.2/4.9	4.2/4.9	4.2/4.9	4.2/4.9
Outline Dimension (WxHxD)	mm	343x528x270	343x528x270	343x523x270	343x523x270	343x523x270
Package Dimension (WxHxD)	mm	396x555x315	396x555x315	396x555x315	396x555x315	396x555x315
Net Weight/Gross Weight	kg	12/13.5	12/13.5	13.5/15	14.5/16	15/16.5
Loading Quantity (40'GP)	sets	860	860	860	860	860
Loading Quantity (40'HQ)	sets	860	860	860	860	860

Precise Series

Air Purifier



Features: ● Standard ● Optional

Model		GDN20AQ-E4EBA1A	GDN24AQ-E4EBA1A
Dehumidifying Volume	L/D	20 (30 °C, RH:80%)	24 (30 °C, RH:80%)
Power Supply	Ph, V, Hz	1Ph, 220V, 50Hz	1Ph, 220V, 50Hz
Power Input	W	225	270
Rated Current	A	1.05	1.25
Rated Current	A	1.37	1.63
Airflow Volume	m³/h	165	165
Sound Pressure Level	dB(A)(H/L)	51/-	51/-
Water Tank Volume	L	3.5	3.5
Outline Dimension (WxHxD)	mm	351x492x260	351x492x260
	inch	13.8x19.4x10.2	13.8x19.4x10.2
Package Dimension (WxHxD)	mm	407x530x329	407x530x329
	inch	16x20.9x13	16x20.9x13
Net Weight/Gross Weight	kg	15	16
	lb	33	35
Loading Quantity (40'GP)	sets	812	812
Loading Quantity (40'HQ)	sets	1013	1013



Features: ● Standard ● Optional

Model		GCF300CKNA
Power Supply		1Ph, 220-240V, 50Hz
Function		Filter type
Power Input	W	64
Rated Current	A	0.28
Airflow Volume	m³/h	300
Recommend Area	m²	15
Sound Pressure Level	T/H/L/M	50/44/36/26
CADR	m³/h	156
Outline Dimension (WxHxD)	mm	396x576x245
Package Dimension (WxHxD)	mm	449x635x303
Net Weight/Gross Weight	kg	10/12
Loading Quantity (40'GP)	sets	591
Loading Quantity (40'HQ)	sets	786

Aqua Series



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

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	GCF220BKNA	GCC240BKNA	GCS260BKNA
POWER SUPPLY	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
FUNCTION	Filter Type	Filter+Electrostatic	Electrostatic
Power Input	W	55	60
Rated Current	A	0.22	0.26
Airflow Volume	m³/h	220	240
Recommend Area	m³	10	14
Sound Pressure Level	H/L/M/S	48/45/40/35	48/45/40/35
CADR	m³/h	120	160
Humidifying Volume	m³/h	350	400
Outline Dimension	mm	385x278x608	385x278x608
Package Dimension	mm	433x318x667	433x318x667
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.



INVERTER
Generates less energy, more motion

Model	GEH09AA-K3DNA1B			GEH12AA-K3DNA1B			GEH18AA-K3DNA1B		
Function	Cooling/Heating			Cooling/Heating			Cooling/Heating		
Capacity	Cooling	Btu/h		8871			11942		18000
	Heating	Btu/h		9383			13648		18766
	Pdesignh	Btu/h		9383			9554		15354
SEER/SCOP(A)	W/W			5.6/3.8	5.6/3.8			5.6/3.8	5.6/3.8
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		760	1080			1630	
	Heating	W		910	1108			1520	
Rated Current	Cooling	A		6.74	7.39			10.87	
	Heating	A		6.74	7.39			10.87	
Airflow Volume	Indoor	m³/h		500	600			650	
Indoor Unit									
Sound Power Level	Indoor	dB(A/VSH/HJM/MM/U/SL)		52/50/45/40	54/52/49/42			59/57/53/47	
Outline Dimension	WxHxD	mm		700x600x215	700x600x215			700x600x215	
Package Dimension	WxHxD	mm		788x697x283	788x697x283			788x697x283	
Net Weight/Gross Weight	Indoor	kg		15/18	15/18			15/18	
Outdoor Unit									
Sound Power Level	Outdoor	dB(A)		61	62			64	
	Gas	mm		φ9.52	φ9.52			φ12	
Piping Connection	Liquid	mm		φ6	φ6			φ6	
	Outline Dimension	WxHxD	mm	848x540x320	848x540x320			955X700X396	
Package Dimension	WxHxD	mm		881x595x363	881x595x363			1029X750X458	
Net Weight/Gross Weight	Outdoor	kg		33/37	33/37			49/54	
Loading Quantity	40'GP	sets		165	165			121	
	40'HQ	sets		190	190			133	

Free Match 3 Series



Various Combinations

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

G1O Inverter Technology

- Lower power consumption
- Lower noise, more comfort
- Precise temperature control

-15°C Low Temperature Operation

- Operate finely when cooling at -15°C.

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

8 combinations

GWHD(18)NK3FO(1 to 2)	One unit		Two units	
	7K	7K+7K	7K+9K	9K
	12K	9K+12K	9K+9K	7K

9 combination

GWHD(24)NK3FO(2 to 2)	Two units	
	7K+7K	7K+9K
	7K+12K	7K+18K
	9K+9K	9K+12K
	9K+18K	12K+12K

23 combinations

GWHD(24)NK3GO(2 to 3)	Two units		Three units		Four units	
	7K+7K	7K+9K	7K+7K+7K	7K+7K+9K	7K+7K+12K	
	7K+12K	7K+18K	7K+7K+18K	7K+9K+9K	7K+7K+12K	
	9K+9K	9K+12K	7K+9K+18K	7K+12K+12K	9K+9K+9K	
	9K+18K	12K+12K	9K+9K+12K	9K+9K+18K	9K+12K+12K	

39 combinations

GWHD(28)NK3FO(2 to 4)	Two units		Three units		Four units	
	7K+7K	7K+9K	7K+7K+7K	7K+7K+9K	7K+7K+12K	7K+7K+7K+7K
	7K+12K	7K+18K	7K+7K+18K	7K+9K+9K	7K+7K+12K	7K+7K+7K+18K
	9K+9K	9K+12K	7K+9K+18K	7K+12K+12K	7K+7K+9K+18K	7K+7K+9K+9K
	9K+18K	12K+12K	9K+9K+12K	9K+9K+18K	9K+9K+9K+12K	9K+9K+9K+9K

97 combinations

GWHD(36)NK3BO(2 to 4)	Two units		Three units		Four units	
	7K+12K	18K+18K	7K+7K+7K	7K+12K+21K	9K+12K+21K	7K+7K+7K+7K
	7K+18K	18K+21K	7K+7K+9K	7K+12K+24K	9K+12K+24K	7K+7K+7K+9K
	7K+21K	18K+24K	7K+7K+12K	7K+18K+18K	9K+18K+18K	7K+7K+7K+12K
	7K+24K	21K+21K	7K+7K+18K	7K+18K+21K	9K+18K+21K	7K+7K+7K+18K
	9K+9K	21K+24K	7K+7K+21K	7K+18K+24K	9K+18K+24K	7K+7K+7K+21K
	9K+12K	24K+24K	7K+7K+24K	7K+21K+21K	9K+21K+21K	7K+7K+7K+24K
	9K+18K	-	7K+9K+9K	9K+9K+9K	12K+12K+12K	7K+9K+9K+21K
	9K+21K	-	7K+9K+12K	9K+9K+12K	12K+12K+18K	7K+9K+9K+24K
	9K+24K	-	7K+9K+18K	9K+9K+18K	12K+12K+21K	7K+9K+9K+21K
	12K+12K	-	7K+9K+21K	9K+9K+21K	12K+12K+24K	

200 combinations

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

Outdoor Unit

Model	GWHD(18)NK3FO	GWHD(24)NK3FO	GWHD(24)NK3GO	GWHD(28)NK3FO	GWHD(36)NK3BO	GWHD(42)NK3AO
Function	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling Btu/h	17100	23900	24200	27300	35826
	Heating Btu/h	19100	26272	29000	31750	44356
	Pdesignh	15695	19789	23800	23884	-
EER/C.O.P	W/W	5.6/3.8	5.1/3.8	5.1/3.8	5.1/3.8	3.0/3.19
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	1Ph,220-240V,50Hz
Power Input	Cooling W	1550	2460	2250	2490	3030 (1300~4600)
	Heating W	1550	2560	2350	2580	5100 (1300~4140)
Airflow Volume	Outdoor m³/h	3200	4000	4000	4000	5500
Sound Power Level	Outdoor unit dB(A)	63	68	68	68	54
Piping Connection	Gas mm	ø6.35	ø6	ø6	ø6	ø16
	Liquid mm	ø9.52	ø9.52	ø9.52	ø9.52	ø9.52
Outline Dimension	WxHxD mm	955x700x396	980x790x427	980x790x427	1015x1103x440	1015x1103x440
Package Dimension	WxHxD mm	1029x750x458	1083x855x488	1083x855x488	1158x1220x483	1158x1220x483
Net Weight/Gross Weight	kg	50/55	68/73	69/74	69/74	94/104
Loading Quantity	40'GP sets	171	96	96	96	48
	40'HQ sets	171	144	144	144	48

Free Match Indoor Unit Wall-mounted Type-Cozy

Model	GWH(07)MA-K3DNA4E/I		GWH(09)MA-K3DNA4E/I		GWH(12)MB-K3DNA4E/I		GWH(18)MC-K3DNA4E/I	
Function	Cooling/Heating		Cooling/Heating		Cooling/Heating		Cooling/Heating	
Capacity	Cooling	Btu/h	7200	Btu/h	8900	Btu/h	11900	Btu/h
	Heating	Btu/h	8900	Btu/h	9600	Btu/h	13000	Btu/h
Airflow Volume		m³/h	450		500		630	
Sound Pressure Level dB(A)		dB(A)(SH/H/M/L)	36/34/31/28/-		37/34/31/28/-		38/34/32/30/-	
Outline Dimension		WxHxD	790x265x174		790x265x174		845x275x180	
Package Dimension		WxHxD	873x370x251		873x370x251		918x370x258	
Net Weight /Gross Weight		kg	9/12		9/12		10/12.5	
Loading Quantity	40'GP	sets	724		724		684	
	40'HQ	sets	844		844		798	

Free Match Indoor Unit Wall-mounted Type-Change

Model	GWH(07)KF-K3DNA6E/I		GWH(09)KF-K3DNA6E/I		GWH(12)KF-K3DNA6E/I		GWH(18)KG-K3DNA6E/I	
Function	Cooling/Heating		Cooling/Heating		Cooling/Heating		Cooling/Heating	
Capacity	Cooling	Btu/h	7200	Btu/h	8900	Btu/h	11900	Btu/h
	Heating	Btu/h	8900	Btu/h	9600	Btu/h	13000	Btu/h
Airflow Volume		m³/h	550		600		680	
Sound Pressure Level dB(A)		dB(A)(SH/H/M/L)	40/38/30/24/-		41/38/30/24/-		42/39/31/25/-	
Outline Dimension		WxHxD	770x201x283		770x201x283		770x201x283	
Package Dimension		WxHxD	855x280x360		855x280x360		855x280x360	
Net Weight /Gross Weight		kg	8/11		8/11		9/12.5	
Loading Quantity	40'GP	sets	700		700		700	
	40'HQ	sets	786		786		786	

Lomo Indoor Unit Wall-mounted Type-Lomo

Model	GWH(07)QB-K3DNA1A/I	GWH(09)QB-K3DNA1A/I	GWH(12)QC-K3DNA1A/I	GWH(18)QD-K3DNA1A/I
Function	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling Btu/h	7165(2100W)	8871(2600W)	11942(3500W)
	Heating Btu/h	8871(2600W)	9554(2800W)	12966(3800W)
	Pdesignh Btu/h	-	-	-
Airflow Volume	m³/h	530	560	660
Sound Pressure Level dB (A)	dB(A)(SH/H/M/L)	40/38/32/26	41/38/32/26	42/39/33/27
Outline Dimension	WxHxD mm	790x275x200	790x275x200	845x289x209
Package Dimension	WxHxD mm	866x367x271	866x367x271	921x379x281
Net Weight/Gross Weight	kg	8/10	8/10	9.5/11.5
Loading Quantity	40'GP sets	692	692	606
	40'HQ sets	804	804	728
				557

U-series Indoor Unit Wall-mounted Type-U-series

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(2100W)	8871(2600W)	11942(3500W)
	Heating Btu/h	8871(2600W)	9554(2800W)	12966(3800W)
	Pdesignh Btu/h	-	-	-
Airflow Volume	m³/h	450	450	560
Sound Pressure Level dB (A)	dB(A)(SH/H/M/L)	37/35/30/26	38/35/30/26	39/37/31/27
Outline Dimension	WxHxD mm	860x299x153	860x299x153	896x320x159
Package Dimension	WxHxD mm	944x247x386	944x247x386	973x255 x403
Net Weight/Gross Weight	kg	9.5/12.5	9.5/12.5	10/13
Loading Quantity	40'GP sets	666	666	597
	40'HQ sets	776	776	662
				443
				498

Console Indoor Unit Wall-mounted Type- Console

Model	GEH(09)AA-K3DNA1C/I	GEH(12)AA-K3DNA1C/I	GEH(18)AA-K3DNA1C/I
Function	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling Btu/h	8871(2600W)	11942(3500W)
	Heating Btu/h	9554(2800W)	12966(3800W)
	Pdesignh Btu/h	-	-
Airflow Volume	m³/h	500	600
Sound Pressure Level dB (A)	dB(A)(SH/H/M/L)	40/38/33 /27	42/40/37 /32
Outline Dimension	WxHxD mm	700x600x215	700x600x215
Package Dimension	WxHxD mm	788x697x283	788x697x283
Net Weight/Gross Weight	kg	15/18	15/18
Loading Quantity	40'GP sets	381	381
	40'HQ sets	454	454
			381

Free Match Indoor Unit Wall-mounted Type-Hansol

Model	GWH(09)TA-K3DNA1E/I	GWH(12)TB-K3DNA1E/I	GWH(18)TC-K3DNA1E/I
Function	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling Btu/h	8530(2500W)	11942(3500W)
	Heating Btu/h	9383(2750W)	12454(3650W)
	Pdesignh Btu/h	-	-
Airflow Volume	m³/h	550	770
Sound Pressure Level dB (A)	dB(A)(SH/H/M/L)	41/36/32/24	43/36/32/24
Outline Dimension	WxHxD mm	816x292x209	866x292x209
Package Dimension	WxHxD mm	888x297x377	945x297x377
Net Weight/Gross Weight	kg	10.5/13	11/13.5
Loading Quantity	40'GP sets	591	566
	40'HQ sets	669	640
			442

Free Match Indoor Unit Cassette

Model	GKH(12)BA-K3DNA2A/I	GKH(18)BA-K3DNA2A/I	GKH(24)BA-K3DNA1A/I
Function	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling Btu/h	11942	15354
	Heating Btu/h	13648	17060
	Pdesignh Btu/h	-	-
Airflow Volume	m³/h	600	600
Sound Pressure Level dB (A)	dB(A)(SH/H/M/L)	46/42	46/42
Outline Dimension (main body)	WxHxD mm	570x230x570	570x230x570
Package Dimension (main body)	WxHxD mm	851x325x731	851x325x731
Net Weight/Gross Weight	kg	18/23	18/23
Outline Dimension (panel)	WxHxD mm	650x50x650	650x50x650
Package Dimension (panel)	WxHxD mm	733x117x673	733x117x673
Net Weight/Gross Weight	kg	2.5/3.5	2.5/3.5
Loading Quantity	40'GP sets	209	209
	40'HQ sets	246	246
			128

Free Match Indoor Unit Duct

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
Function	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling Btu/h	8530	11942	17060	20472
	Heating Btu/h	9550	13140	18770	22520
	Pdesignh Btu/h	-	-	-	-
Airflow Volume	m³/h	450	500	700	1000
Sound Pressure Level dB (A)	dB(A)(H/L)	37/31	39/32	41/33	42/34
Outline Dimension (main body)	WxHxD mm	700x200x615	700x200x615	900x200x615	1100x200x615
Package Dimension (main body)	WxHxD mm	893x305x743	893x305x743	1123x305x743	1323x305x743
Net Weight/Gross Weight	kg	22/27	23/29	27/36	31/41
Loading Quantity	40'GP sets	234	234	180	162
	40'HQ sets	234	234	180	162

Free Match Indoor Unit Floor Ceiling

Model	GTH(09)BA-K3DNA1A/I	GTH(12)BA-K3DNA1A/I	GTH(18)BA-K3DNA1A/I	GTH(24)BA-K3DNA1A/I
Function	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling Btu/h	8530	11942	17060
	Heating Btu/h	9550	13140	18770
	Pdesignh Btu/h	-	-	-
Airflow Volume	m³/h	650	650	950
Sound Pressure Level dB (A)	dB(A)(H/L)	40/36	40/36	45/40
Outline Dimension	WxHxD mm	1220x225x700	1220x225x700	1220x225x700
Package Dimension	WxHxD mm	1343x315x823	1343x315x823	1343x315x823
Net Weight/Gross Weight	kg	40/45	40/45	40/45
Loading Quantity	40'GP sets	132	132	132
	40'HQ sets	132	132	132

</div

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.



- 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*C1O)

Item	Nominal operating condition(temperature)				Operation range(temperature)	
	Outdoor condition		Indoor condition			
	DB(°C)	WB(°C)	DB(°C)	WB(°C)		
Cooling	35	24	27	19	18~48	
Heating	7	6	20	15	-10~24	

INVERTER **R410A**

Outdoor Units and Indoor Units Lineup

Capacity Index(BTU/h)		7000	9000	12000	18000	21000	24000
Wall mounted type	U-Cool		●	●	●	●	
	Hansol		●	●	●	●	
	Cozy		●	●	●	●	
	Change		●	●	●	●	
	Viola		●	●	●	●	●
Duct type			●	●	●	●	●
			●	●	●	●	●
Cassette type			●	●	●	●	●
				●	●	●	●
Floor ceiling type			●	●	●	●	
			●	●	●	●	
Console type			●	●	●	●	
				●	●	●	

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

288 Combinations

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

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

Five units					
7+7+7+7	7+7+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+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+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+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+21	7+7+9+9+24	7+9+9+12+21	7+9+12+21+21	9+9+9+24+24	-
7+7+7+24	7+7+9+12+12	7+9+9+12+18	7+9+12+12+12	-	-
7+7+7+9+9	7+7+9+12+18	7+9+9+18+18	7+9+12+12+18	-	-
7+7+9+12+12	7+7+9+12+21	7+9+9+12+21	7+9+12+12+21	-	-
7+7+9+18+18	7+7+9+12+24	7+9+9+12+24	7+9+12+12+24	-	-
7+7+9+21+21	7+7+9+18+24	7+9+9+12+24	7+9+12+12+24	-	-
7+7+9+18+24	7+7+9+18+21	7+9+9+18+21	7+9+12+18+21	-	-
7+7+7+12+18	7+7+9+21+24	7+9+9+12+24	7+9+12+12+24	9+9+9+21+21	-
7+7+7+12+21	7+7+9+24+24	7+9+9+18+21	9+9+9+12+21	9+9+18+18+18	-
7+7+7+12+24	7+7+9+12+21+22	7+9+9+12+21+22	7+9+12+12+24+24	9+9+9+18+18+18	-
7+7+7+18+21	7+7+12+21+21	7+9+9+21+21	9+9+12+12+21	9+9+18+18+21	-
7+7+7+18+24	7+7+12+21+24	7+9+9+21+24	9+9+12+12+24	9+9+18+18+24	-
7+7+7+21+21	7+7+12+18+18+18	7+9+9+12+18+18+18	9+9+12+12+18+18	9+9+18+18+18+18	-
7+7+7+21+24	7+7+12+18+18+21	7+9+9+12+18+18+21	9+9+12+12+18+21	9+9+18+18+18+21	-
7+7+7+24+24	7+7+12+18+21+21	7+9+9+12+18+21+21	9+9+12+12+18+21+21	9+9+18+18+18+21+21	-

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

BU Module

Model	FXA2A-K	FXA2B-K	FXA3A-K	FXA3B-K	FXB5A-K	FXB5A-K
Fuse current	A	3.15	3.15	3.15	3.15	3.15
Power supply	Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	3Ph,380-415V,50Hz
Sound pressure level	dB(A)	28	28	28	30	30
Sound Power Level	dB(A)	38	38	38	40	40
Dimension(WxDxH)	Outline	mm	532x313x182	532x313x182	532x313x182	617x410x193
	Package	mm	683x392x270	683x392x270	683x392x270	676x473x275
Connection Method	—	Flare	Braze	Flare	Braze	Flare
Net weight/Gross weight	kg	5.5/7.5	5.5/7.5	6/8	6/8	9/11
Connecting pipe diameter (to IDU)	Gas	inch(mm)	3/8(9.52)	5/8(15.9)	3/8(9.52)	3/8(9.52)
	Liquid	inch(mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)
Connecting pipe diameter (to ODU)	Gas	inch(mm)	5/8(15.9)	3/4(19.05)	5/8(15.9)	5/8(15.9)
	Liquid	inch(mm)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)
Maximum connect IDU NO.	unit	2	2	3	3	5
Loading quantity	40'GP	set	386	386	386	322
	40'HQ	set	386	386	386	322
Max. Equivalent Connection Pipe Length (BU unit to Last Indoor)	m	15	15	15	15	15

Wall Mounted Indoor Unit

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	7167	8874
	Heating	BTU/h	8874	9556
Power supply	Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow volume	m³/h	450	450	560
	CFM	265	265	329
Sound pressure level (SH/H/MH/M/ML/L/SL)	dB(A)	37/35/32/30/28/26/24	38/34/32/29/27/25/22	39/36/34/31/29/27/23
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)
Dimension(WxDxH)	Outline	mm	860x299x153	860x320x153
	Package	mm	944x247x386	944x247x386
Net weight/Gross weight	kg	9.5/12.5	9.5/12.5	11.5/14.5
Loading quantity	20'GP	set	326	326
	40' GP/40' HQ	set	666/776	666/776
			566/640	381/442

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	7167	8874
	Heating	BTU/h	8874	9556
Power supply	Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow volume	m³/h	450	500	630
	CFM	265	294	371
Sound pressure level (SH/H/MH/M/ML/L/SL)	dB(A)	36/34/31/28/-	37/34/31/28/-	38/34/32/30/-
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)
Dimension(WxDxH)	Outline	mm	790x265x170	790x265x170
	Package	mm	873x370x251	873x370x251
Net weight/Gross weight	kg	9/11	9/11	10/12.5
Loading quantity	20'GP	set	348	348
	40' GP/40' HQ	set	724/844	724/844
			684/798	539/607

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	7167	8874
	Heating	BTU/h	8874	9556
Power supply	Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow volume	m³/h	550	600	680
	CFM	324	353	400
Sound pressure level (SH/H/MH/M/ML/L/SL)	dB(A)	40/38/30/24/-	41/38/30/24/-	42/39/31/25/-
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)
Dimension(WxDxH)	Outline	mm	700x201x283	770x201x283
	Package	mm	855x286x360	855x286x360
Net weight/Gross weight	kg	8/10	8/10	9/11
Loading quantity	20'GP	set	335	335
	40' GP/40' HQ	set	700x786	700/786
			542/616	

Viola

Model	Cooling	BTU/h	7167	8874	11946	18089	22014
Capacity	Heating	BTU/h	8874	9556	12969	19795	24232
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
Airflow volume	m³/h	500	500	630	850	1000	1000
	CFM	294	294	371	500	588	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/-	48/46/44/42/-
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ1/2(12.7)	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(WxDxH)	Outline	mm	794x265x186	794x265x186	848x274x189	945x211x298	1018x315x223
	Package	mm	873x270x353	873x270x353	926x371x267	1013x300x383	1086x328x398
Net weight/Gross weight	kg	9/11.5	9/11.5	10/12.5	13/16	15.5/20.5	15.5/20.5
Loading quantity	20'GP	set	352	352	352	248	206
	40' GP/40' HQ	set	734/842	734/842	643/749	539/607	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
	Heating	BTU/h	9556	13140	22526
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	450	550	700	1000
	CFM	265	324	412	588
Sound pressure level (SH/H/MH/M/ML/L/SL)	dB(A)	37/31	39/32	41/33	42/34
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)	φ3/8(9.52)
Dimension(WxDxH)	Outline	mm	700x200x		

Light Commercial

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	17065	24232		
	Heating	BTU/h	9556	13140	18772	27304		
Power supply	Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz		
Airflow volume	m³/h	650	650	950	1250			
	CFM	382	382	559	735			
Sound pressure level (SH/H/MH/M/ML/U/SL)	dB(A)	40/36	40/36	45/40	48/44			
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	1220X700X225	1220X700X225	1220X700X225	1220X700X225		
	Package	mm	1343X823X315	1343X823X315	1343X823X315	1343X823X315		
Net weight/Gross weight	kg	40/50	40/50	40/50	40/50			
Loading quantity	20'GP	set	66	66	66	66		
	40' GP/40' HQ	set	132/132	132/132	132/132	132/132		

Console Type Indoor Unit

Model	GEH(09)AA-K3DNA1C/I		GEH(12)AA-K3DNA1C/I		GEH(18)AA-K3DNA1C/I	
Capacity	Cooling	BTU/h	8874	11946	18089	
	Heating	BTU/h	9556	12969	19795	
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	650	750	840		
	CFM	253	441	494		
Sound pressure level (SH/H/MH/M/ML/U/SL)	dB(A)	40/38/36/33/30/27/25	42/40/38/37/35/32/25	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	700X600X215	700X600X215	700X600X215	
	Package	mm	788x697x283	788x697x283	788x697x283	
Net weight/Gross weight	kg	15/18	15/18	15/18		
Loading quantity	20'GP	set	181	181	181	
	40' GP/40' HQ	set	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(MOTO)									
	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.

U-Match

Super 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.
- low start-up current thanks to power delay control design
- Higher efficiency thanks to sine wave DC inverter compressor control.
- High reliability and easy maintenance thanks to one piece integrated PCB board.
- Stable cooling/heating under -15°C outdoor environment temperature (for the unit CUHD*C1O).



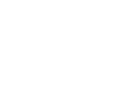
Indoor Unit

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		
	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	
		SJ2PC020126	SJ2PC020128	SJ2PC020129			
Indoor Unit	Duct	Model	GFH09K3FI	GFH12K3FI	GFH18K3FI	GFH24K3FI	GFH30K3FI
		Picture		SJ2PC020132		SJ2PC020133	
Indoor Unit	Cassette	Model	—	GKH12K3F	GKH18K3FI	GKH24K3FI	GKH30K3FI
		Picture	—		SJ2PC020136		SJ2PC020137
Indoor Unit	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		
		SJ2PC020130	SJ2PC020131	SJ2PC020118					
Indoor Unit	Duct	Model	GFH36K3F	GFH36K3FI	GFH42K3FI	GFH42K3FI	GFH48K3FI	GFH48K3FI	GFH60K3FI
		Picture		SJ2PC020134		SJ2PC020135			
Indoor Unit	Cassette	Model	GKH36K3FI	GKH36K3FI	GKH42K3FI	GKH42K3FI	GKH48K3FI	GKH48K3FI	GKH60K3F
		Picture		SJ2PC020137		SJ2PC020138			
Indoor Unit	Floor Ceiling	Model	GTH36K3FI	GTH36K3FI	GTH42K3F	GTH42K3F	GTH48K3F	GTH48K3F	GTH60K3FI
		Picture		SJ2PC020222		SJ2PC020142			

Model	Outdoor unit		GUHD09NK3FO		GUHD12NK3FO	
	Indoor unit		Duct	Floor Ceiling	Duct	Cassette
			GFH09K3FI	GTH09K3FI	GFH12K3FI	GKH12K3FI
Capacity	Cooling	W	2700	2700	3500	3500
	Btu/h	9212	9212	11942	11942	
	Heating	W	2900	2900	3800	3800
	Btu/h	9895	9895	12966	12966	
SEER/SCOP	W/W	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8
Power supply	Ph/V/Hz	1Ph,220-240V,50Hz				
Power input	Cooling	kW	0.84	0.84	1.17	1.09
	Heating	kW	0.80	0.80	1.05	1.05
Current input	Cooling	A	3.9	3.9	5.4	5.0
	Heating	A	3.7	3.7	4.9	4.9
Refrigerant charge volume	kg	1.2	1.2	1.2	1.2	1.2
	Air flow volume(H/M/L)	CFM	383	353	441	412
	m³/h	650	600	750	700	700
Indoor unit	ESP	Rated Pa	25	—	25	—
	Range Pa	0-30	—	0-30	—	—
	Sound pressure level (H/M/L)	dB(A)	36/34/29/26	31/29/26/24	37/36/34/28	46/45/41/36
	Dimension (WxDxH)	Outline Package	883x665x250	1220x700x225	998x721x266	596x596x240
	mm	mm	1023x748x320	1343x823x315	1123x798x323	1220x700x225
	Net weight/Gross weight	kg	27/32	38/45	33/38	20/24
Panel	Dimension (WxDxH)	Outline Package	—	—	—	650x650x50
	mm	mm	—	—	—	763x763x105
	Net weight/Gross weight	kg	—	—	—	3.5/5.0
Outdoor unit	Sound pressure level	dB(A)	52	52	52	52
	Dimension (WxDxH)	Outline Package	848x320x540	881x363x595	848x320x540	881x363x595
	mm	mm	—	—	—	—
	Net weight/Gross weight	kg	34/37	34/37	34/37	34/37
Connection pipe	Outer diameter	Liquid inch	φ1/4	φ1/4	φ1/4	φ1/4
	Gas inch	—	φ3/8	φ3/8	φ3/8	φ3/8
	Max.distance	Height/Length m	15/20	15/20	15/20	15/20
Loading quantity	40'GP/40'HQ	—	126/141	96/112	114/131	127/138
						96/112

Model	Outdoor unit		GUHD18NK3FO		GUHD24NK3FO	
	Indoor unit		Duct	Cassette	Floor Ceiling	Duct
			GFH18K3FI	GKH18K3FI	GTH18K3FI	GFH24K3FI
Capacity	Cooling	W	5000	5000	5000	7000
	Btu/h	17060	17060	17060	23884	23884
	Heating	W	5600	5500	5600	8000
	Btu/h	19107	18766	19107	27296	27296
SEER/SCOP	W/W	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8
Power supply	Ph/V/Hz	1Ph,220-240V,50Hz				
Power input	Cooling	kW	1.60	1.55	1.55	2.18
	Heating	kW	1.58	1.64	1.55	2.21
Current input	Cooling	A	7.5	7.2	7.2	10.1
	Heating	A	7.4	7.6	7.2	10.2
Refrigerant charge volume	kg	1.4	1.4	1.4	2.2	2.2
	Air flow volume(H/M/L)	CFM	589	447	589	765
	m³/h	1000	760	1000	1400	1200
Indoor unit	ESP	Rated Pa	25	—	25	—
	Range Pa	0-30	—	—	0-100	—
	Sound pressure level (H/M/L)	dB(A)	40/39/36/28	47/46/44/37	44/42/39/32	47/46/44/40
	Dimension (WxDxH)	Outline Package	998x721x266	596x596x240	1220x700x225	840x840x240
	mm	mm	1123x798x323	773x733x300	1343x823x315	963x963x325
	Net weight/Gross weight	kg	33/38	30/24	34/39	26/32
Panel	Dimension (WxDxH)	Outline Package	—	—	—	950x950x60
	mm	mm	—	—	—	1028x1043x130
	Net weight/Gross weight	kg	—	3.5/5.0	—	7.0/1

Model	Outdoor unit		GUHD30NK3FO			GUHD36NK3FO			
	Indoor unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling	
			GFH30K3FI	GKH30K3FI	GTH30K3FI	GFH36K3FI	GKH36K3FI	GTH36K3FI	
Capacity	Cooling	W	8300	8300	8500	10000	10000	10000	
		Btu/h	28320	28320	29002	34120	34120	34120	
	Heating	W	9200	9200	9200	12000	12000	12000	
		Btu/h	31390	31390	31390	40944	40944	40944	
SEER/SCOP	W/W	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	
Power supply	Ph/V/Hz	1Ph,220-240V,50Hz			1Ph,220-240V,50Hz				
Power input	Cooling	kW	2.67	2.67	2.67	3.20	3.20	3.20	
	Heating	kW	2.57	2.57	2.57	3.40	3.50	3.40	
Current input	Cooling	A	12.4	12.4	12.4	15.0	15.0	15.0	
	Heating	A	12.0	12.0	12.0	15.5	16.2	15.8	
Refrigerant charge volume	kg	2.4	2.4	2.4	2.4	3.5	3.5	3.5	
	Air flow volume(H/M/L)	CFM	824	883	883	1236	1095	1118	
		m³/h	1400	1500	1500	2100	1860	1900	
Indoor unit	ESP	Rated	Pa	37	—	—	37	—	
		Range	Pa	0-100	—	—	0-150	—	
	Sound pressure level (H/M/L)	dB(A)	47/46/44/40	49/46/44/38	49/48/46/40	53/52/48/44	51/49/46/43	54/53/51/46	
	Dimension (WxDxH)	Outline	mm	1239x558x268	840x840x320	1420x700x245	1226x775x290	840x840x320	1420x700x245
		Package	mm	1348x597x283	963x963x409	1548x828x345	1338x877x305	963x963x409	1548x828x345
	Net weight/Gross weight	kg	34/39	31/38	48/56	46/53	31/38	48/56	
Panel	Dimension (WxDxH)	Outline	mm	950x950x60			950x950x60		
		Package	mm	1028x1043x130			1028x1043x130		
	Net weight/Gross weight	kg	—	7.0/11			7.0/11		
Outdoor unit	Sound pressure level	dB(A)	58			63			
	Dimension (WxDxH)	Outline	mm	980x427x790			1107x440x1100		
		Package	mm	1083x488x855			1158x493x1235		
	Net weight/Gross weight	kg	71/76			92/100			
Connection pipe	Outer diameter	Liquid	inch	φ3/8			φ3/8		
	Gas	inch	inch	φ5/8			φ5/8		
	Max.distance	Height/Length	m	15/30			15/50		
Loading quantity	40'GP/40'HQ	—	76/89	49/69	57/67	45/60	43/50	45/56	

Model	Outdoor unit		GUHD42NM3FO			GUHD48NK3FO			
	Indoor unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling	
			GFH42K3FI	GKH42K3FI	GTH42K3F	GFH48K3FI	GKH48K3FI	GTH48K3FI	
Capacity	Cooling	W	11500	11000	11500	14000	14000	14000	
		Btu/h	39238	37532	39238	47768	47768	47768	
	Heating	W	13500	12500	13500	15500	16000	16000	
		Btu/h	46062	42650	46062	52886	54592	54592	
SEER/SCOP	W/W	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	
Power supply	Ph/V/Hz	3Ph, 380-415V,50Hz			3Ph, 380-415V,50Hz				
Power input	Cooling	kW	3.90	3.80	3.80	4.70	4.60	4.80	
	Heating	kW	3.74	3.60	3.74	4.40	4.50	4.30	
Current input	Cooling	A	7.0	6.8	6.8	21.8	21.3	22.3	
	Heating	A	6.6	6.4	6.6	20.4	20.8	20.0	
Refrigerant charge volume	kg	3.7	3.7	3.7	4.0	4.0	4.0	4.0	
	Air flow volume(H/M/L)	CFM	1236	1095	1118	1412	1354	1354	
		m³/h	2100	1860	1900	2400	2300	2300	
Indoor unit	ESP	Rated	Pa	37	—	—	50	—	
		Range	Pa	0-150	—	—	0-150	—	
	Sound pressure level (H/M/L)	dB(A)	53/52/48/44	51/49/46/43	55/54/52/47	55/53/49/45	53/52/47/41	57/55/50/46	
	Dimension (WxDxH)	Outline	mm	1226x775x290	840x840x320	1420x700x245	1340x750x350	910x910x290	1700x700x245
		Package	mm	1338x877x305	963x963x409	1548x828x345	1423x837x455	1023x993x375	1828x828x345
	Net weight/Gross weight	kg	46/53	31/38	48/56	46/53	31/38	50/58	
Panel	Dimension (WxDxH)	Outline	mm	950x950x60			950x950x60		
		Package	mm	1028x1043x130			1028x1043x130		
	Net weight/Gross weight	kg	—	7.0/11			7.0/11		
Outdoor unit	Sound pressure level	dB(A)	61			61			
	Dimension (WxDxH)	Outline	mm	958x412x1349			958x412x1349		
		Package	mm	1043x453x1500			1043x453x1500		
	Net weight/Gross weight	kg	98/108			98/108			
Connection pipe	Outer diameter	Liquid	inch	φ3/8			φ3/8		
	Gas	inch	inch	φ5/8			φ5/8		
	Max.distance	Height/Length	m	30/50			30/50		
Loading quantity	40'GP/40'HQ	—	52/58	45/48	43/47	43/47	38/48	43/50	

Model	Outdoor unit		GUHD36NM3FO			GUHD42NK3FO		

Light Commercial

U-Match

Fixed Frequency 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.
- With low ambient temperature cooling function, cooling normally in -7°C.
- The outdoor unit is universal, can be matched with floor standing, cassette, duct type indoor unit.

Indoor Unit

Duct type	Cassette type	Floor ceiling type
<ul style="list-style-type: none"> 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. All kinds of air freshener can be installed in the filter, such as catechin 	<ul style="list-style-type: none"> 3-D air flue design. Easy replacement of motor and fan blade thanks to damp block propeller design. Different swing angle design for cooling and heating mode for better comfort.

Item	Nominal operating condition (temperature)				Operation range (temperature) Outdoor condition DB (°C)	
	Outdoor condition		Indoor condition			
	DB (°C)	WB (°C)	DB (°C)	WB (°C)		
Cooling	35	24	27	19	-7~43(with low ambient cooling) 18~43(without low ambient cooling)	
Heating	7	6	20	15	-7~24	

R410A

Units Lineup

Capacity Index (Btu/h)	9K	12K	18K	24K	
Outdoor Unit					
GUHN09NK3AO	GUHN12NK3AO	GUHN18NK3AO	GUHN24NK3AO		
Duct					
Indoor Unit	Cassette				
	Floor Ceiling				

CE

Capacity Index (Btu/h)	30K	36K	42K	48K	60K
Outdoor Unit				GUHN42NM3AO	GUHN48NM3A10
GUHN36NM3AO		GUHN60NM3AO			
Duct					
Indoor Unit	Cassette				
	Floor Ceiling				

Model	Outdoor Unit		GUHN30NK3AO				GUHN36NK3AO		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling	
			GFH30K3BI	GKH30K3BI	GTH30K3B1I	GFH36K3BI	GKH36K3BI	GTH36K3BI	
Capacity	Cooling	W	8300	8300	8800	9800	10000	10000	
		Btu/h	28300	28300	30000	33400	34100	34100	
	Heating	W	9100	8800	9800	11000	11000	11000	
		Btu/h	31000	30000	33400	37500	37500	37500	
EER/COP		W/W	2.77/3.03	2.86/2.79	2.93/3.44	2.45/3.14	2.78/3.33	2.78/3.33	
Power Supply		Ph/V/Hz	1Ph, 220-240V, 50Hz						
Power Input	Cooling	kW	3.00	2.90	3.00	4.00	3.60	3.60	
	Heating	kW	3.00	3.15	2.85	3.50	3.30	3.60	
Current Input	Cooling	A	13.5	13.1	13.6	22.0	20.0	20.0	
	Heating	A	13.9	13.1	13.6	19.0	18.0	18.0	
Refrigerant Charge Volume		kg	3.6	3.6	3.6	3.2	3.2	3.2	
Indoor Unit	Air Flow Volume		m³/h	1500/1300/1100	1400/1270/1170	1600/1450/1300	2000/1900/1800	1660/1570/1500	1800/1630/1520
	Sound Pressure Level(H/M/L)		CFM	882/765/647	824/747/688	942/853/765	1176/1118/1059	976/924/882	1059/959/894
	Dimension (WxDxH)	Outline	dB(A)	47/44/42	51/49/48	52/51/49	50/48/46	53/51/48	54/51/48
		Package	mm	1270x530x268	840x840x240	1420x700x245	1226x775x290	840x840x320	1590x695x238
Panel	Net Weight/Gross Weight		kg	37/43	27/36	48/58	54/61	32/43	48/58
	Dimension (WxDxH)	Outline	mm	-	950x950x60	-	-	950x950x60	-
		Package	mm	-	1025x1040x115	-	-	1025x1040x115	-
Outdoor Unit	Net Weight/Gross Weight		kg	-	6.5/10	-	-	6.5/10	-
	Sound Pressure Level		dB(A)	59	59	59	60	60	60
	Dimension (WxDxH)	Outline	mm	980x427x790	980x427x790	980x427x790	1018x412x840	1018x412x840	1018x412x840
		Package	mm	1080x485x840	1080x485x840	1080x485x840	1100x450x985	1100x450x985	1100x450x985
Connection Pipe	Net Weight/Gross Weight		kg	70/75	70/75	70/75	90/100	90/100	90/100
	Outer Diameter	Liquid	inch	ø3/8	ø3/8	ø3/8	ø1/2	ø1/2	ø1/2
		Gas	inch	ø5/8	ø5/8	ø5/8	ø3/4	ø3/4	ø3/4
	Max.distance	Height/Length	m	15/30	15/30	15/30	30/50	30/50	30/50
Loading Quantity		40'GP/40'HQ	—	74/85	56/64	72/84	64/70	44/53	55/58

Model	Outdoor Unit		GUHN18NK3AO			GUHN24NK3AO		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
		GFH18K3BI	GKH18K3BI	GTH18K3BI	GFH24K3BI	GKH24K3BI	GTH24K3BI	
Capacity	Cooling	W	5000	5000	5000	7000	6800	7000
		Btu/h	17000	17000	17000	24000	23200	24000
	Heating	W	5700	5400	5700	8000	7500	8000
		Btu/h	19400	18400	19400	27300	25600	27300
EER/COP	W/W	2.38/3.17	2.50/2.84	2.46/2.75	2.63/3.19	2.60/3.00	2.68/3.09	
Power Supply	Ph/V/Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	
Power Input	Cooling	kW	2.10	2.00	2.03	2.66	2.62	2.61
	Heating	kW	1.80	1.90	2.07	2.51	2.50	2.59
Current Input	Cooling	A	9.4	9.0	9.3	12.1	11.9	11.8
	Heating	A	8.0	8.7	9.5	11.4	11.4	11.7
Refrigerant Charge Volume	kg	1.5	1.5	1.5	2.2	2.2	2.2	2.2
Indoor Unit	Air Flow Volume		m³/h	840/750/680	550/490/420	700/640/570	1600/1400/1200	1180/1080/1000
			CFM	494/441/400	324/288/247	412/377/335	941/824/706	694/635/588
	Sound Pressure Level(H/M/L)		dB(A)	42/40/38	47/45/43	54/50/46	47/44/42	47/45/43
	Dimension (WxDxH)	Outline	mm	1012x736x266	600x600x230	836x695x238	1270x530x268	840x840x240
Panel	Dimension (WxDxH)	Package	mm	1120x736x323	848x678x310	935x805x295	1345x594x283	960x960x310
		Net Weight /Gross Weight	kg	34/41	20/27	26/33	37/43	27/36
	Net Weight /Gross Weight	Outline	mm	-	650x650x50	-	-	950x950x60
		Package	mm	-	670x730x102	-	-	1025x1040x115
Outdoor Unit	Sound Pressure Level		kg	-	2.5/3.5	-	-	6.5/10
	Dimension (WxDxH)		dB(A)	56	56	56	59	59
	Dimension (WxDxH)	Outline	mm	820x320x540	820x320x540	820x320x540	1018x412x695	1018x412x695
		Package	mm	870x360x590	870x360x590	870x360x590	1100x450x755	1100x450x755
Connection Pipe	Net Weight /Gross Weight		kg	40/45	40/45	40/45	59/64	59/64
	Outer Diameter	Liquid	inch	φ1/4	φ1/4	φ1/4	φ3/8	φ3/8
		Gas	inch	φ1/2	φ1/2	φ1/2	φ5/8	φ5/8
	Max.distance	Height/Length	m	15/20	15/20	15/20	15/30	15/30
Loading Quantity	40°GP/40°HQ	—	116/132	113/114	116/143	92/94	52/60	88/98

Model	Outdoor Unit		GUHN36NM3AO			GUHN42NM3AO		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
		GFH36K3BI	GKH36K3BI	GTH36K3BI	GFH42K3BI	GKH42K3BI	GTH42K3BI	
Capacity	Cooling	W	9800	10000	9800	12000	12000	12000
		Btu/h	33400	34100	33400	41000	41000	41000
	Heating	W	11000	11000	10780	14000	14000	14000
		Btu/h	37500	37500	36800	48000	48000	48000
Eer/cop		W/W	2.45/3.14	2.78/3.55	2.72/3.27	2.26/2.86	2.50/2.80	2.50/2.98
Power Supply		Ph/V/Hz	3Ph,380-415V, 50Hz					
Power Input	Cooling	kW	4.00	3.60	3.60	5.30	4.80	4.80
	Heating	kW	3.50	3.30	3.30	4.90	5.00	4.70
Current Input	Cooling	A	7.0	6.7	6.7	9.6	8.7	8.7
	Heating	A	6.3	5.7	6.0	8.9	8.5	8.5
Refrigerant Charge Volume		kg	3.2	3.2	3.2	3.55	3.55	3.55
Indoor Unit	Air Flow Volume		m³/h	2000/1900/1800	1660/1570/1500	1800/1630/1520	2000/1900/1800	1660/1570/1500
	Sound Pressure Level(H/M/L)		CFM	1176/1118/1059	976/924/882	1059/959/894	1176/1118/1059	976/924/882
	Dimension (WxDxH)	dB(A)	50/48/46	53/51/48	54/51/48	50/48/46	53/51/48	54/51/48
		Outline	mm	1226x775x290	840x840x320	1590x695x238	1226x775x290	840x840x320
Panel	Net Weight /Gross Weight	Package	mm	1335x834x305	960x960x394	1714x830x330	1335x834x305	960x960x394
		kg	54/61	32/43	48/58	54/61	32/43	48/58
	Dimension (WxDxH)	Outline	mm	-	950x950x60	-	-	950x950x60
		Package	mm	-	1025x1040x115	-	-	1025x1040x115
Outdoor Unit	Net Weight /Gross Weight		kg	-	6.5/10	-	-	6.5/10
	Sound Pressure Level		dB(A)	60	60	60	60	60
	Dimension (WxDxH)	Outline	mm	1018x412x840	1018x412x840	1018x412x840	1032x412x1250	1032x412x1250
		Package	mm	1100x450x985	1100x450x985	1100x450x985	1110x450x1385	1110x450x1385
Connection Pipe	Net Weight /Gross Weight		kg	90/100	90/100	90/100	112/123	112/123
	Outer Diameter	Liquid	inch	φ1/2	φ1/2	φ1/2	φ1/2	φ1/2
		Gas	inch	φ3/4	φ3/4	φ3/4	φ3/4	φ3/4
	Max.distance	Height/Length	m	30/50	30/50	30/50	30/50	30/50
Loading Quantity		40'GP/40'HQ	—	64/70	44/53	55/58	45/49	42/48

U-Macth(Fixed Frequency Series)

Model	Outdoor unit		GUHN48NM3A1O		GUHN60NM3AO	
	Indoor unit		Duct	Cassette	Floor Ceiling	Duct
		GHF48K3B1I	GKH48K3B1I	GTH48K3B1I	GFH60K3B1I	
Capacity	Cooling	W	13200	13200	13200	16000
		Btu/h	45040	45040	45040	54600
EER/COP	Heating	W	14500	14500	14500	18500
		Btu/h	49470	49470	49470	63100
Power supply		W/V/Hz	2.59/3.15	2.75/2.79	2.64/3.02	2.46/3.36
Power input		Ph/V/Hz	3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz
Current input	Cooling	kW	5.10	4.80	5.0	6.50
	Heating	kW	4.60	5.20	4.8	5.50
Refrigerant charge volume	Cooling	A	9.2	8.7	9.0	11.8
	Heating	A	8.3	9.5	8.7	10.0
Air flow volume(H/M/L)		m³/h	2300/2110/1850	1660/1570/1500	2100/1900/1800	2500/2070/1730
Indoor unit		CFM	1354/1242/1089	977/924/883	1236/1118/1059	1471/1218/1018
	ESP	Rated	Pa	50	—	50
Sound pressure level(H/M/L)	Range	Pa	0-150	—	—	0-50
	Dimension (WxDxH)	mm	1226x775x290	840x840x320	1590x695x238	1226x815x330
Panel	Package	mm	1338x837x305	963x963x409	1717x833x345	1338x885x345
	Net Weight /Gross Weight	kg	57/67	32/43	48/58	66/76
Outdoor unit	Dimension (WxDxH)	Outline	mm	950x950x60	—	—
	Package	mm	—	1028x1043x130	—	—
Connection pipe	Net weight/Gross weight	kg	—	6.5/10	—	—
	Outer diameter	inch	—	—	—	—
Sound pressure level		dB(A)	63	64	—	—
Outer unit	Dimension (WxDxH)	Outline	mm	1032x412x1250	1032x412x1250	—
	Package	mm	—	1113x453x1400	1113x453x1400	—
Connection pipe	Net weight/Gross weight	kg	—	112/123	123/134	—
	Liquid	inch	—	—	—	—
Max.distance	Gas	inch	—	φ1/2	φ1/2	—
	Height/Length	m	—	φ3/4	φ3/4	—
Loading quantity		40'GP/40'HQ	set	45/49	42/48	44/49
				44/49	45/49	