GREE
AIR CONDITIONER

GREE

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

HONG KONG GREE ELECTRIC APPLIANCES SALES LIMITED

GR1309-01

2014 / RAC EU

Gree Profile

Now on Times Square New York

From March 16, 2012

No.1 air conditioner manufacturer

9 production bases

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

250,000,000 users

60,000,000 sets RAC annual production capacity

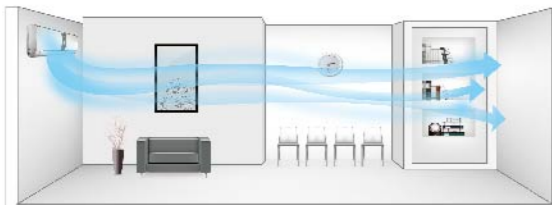**5,500,000** sets CAC annual production capacity
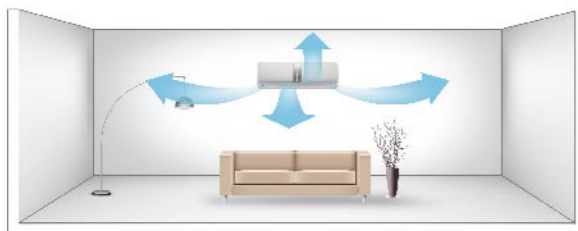
Ceiling Cooling

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.
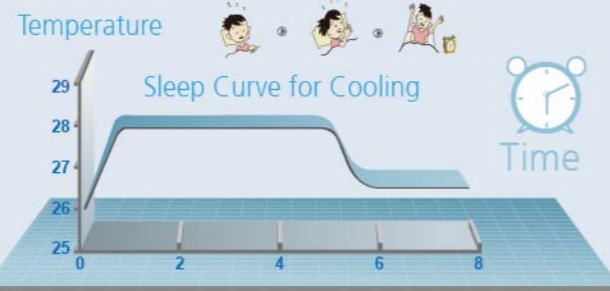
4-way Air Outlet

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

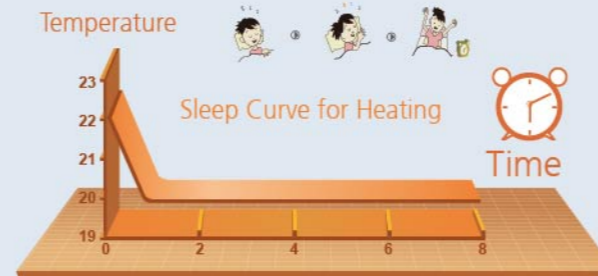## 7 Fan Speeds

From super low to turbo, choose desired air flow.

3 Sleep Curves

Temperature

Sleep Curve for Cooling

Time

29
28
27
26
25
0   2   4   6   8

Temperature

Sleep Curve for Heating

Time

23
22
21
20
19
0   2   4   6   8

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

Breeze rustles leaves

J cool is operating

Common air con is operating

Quiet sound lea

Uncomfortable sound

Busy office

20dB   21dB   30dB   40dB   50dB
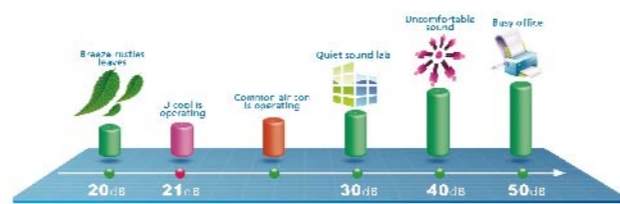
Noise lowers to 21dB, making you feel like staying on the Moon.

Intelligent Defrosting

Defrosting   Defrosting   Defrosting   Defrosting

Heating   Heating   Heating   Heating   Heating   Heating

(50ms)   (70ms)   (70ms)   (50ms)   (70ms)   (50ms)

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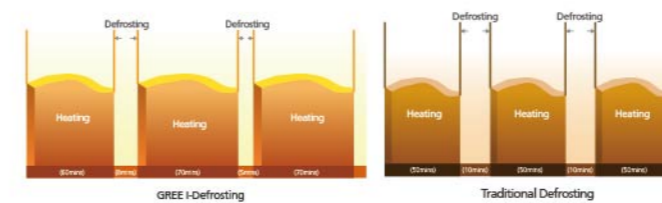
Maximize warm comfort with shorter defrosting time.
Traditional defrosting works by setting time. E.g. defrosting process is on for 10 mins for every 50mins.
Gree I-Defrosting is only performed when needed, which reduces energy waste by eliminating the unnecessary defrosting process.

Functions for Low Ambient Temperature

8℃ heating   -20℃   -15℃

8℃ Heating

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

■ -15℃ Cooling

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

■ -20℃ Heating

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

Cold Air Prevention

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

FAN AUTO OPER

26°C

7:40 ON/OFF

ON/OFF	FAN	MODE
−		+
TURBO		
CLOCK	TIMER OFF	TIMER ON
TEMP		IFEEL
LIGHT	X-FAN	QUIET	SLEEP

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

Press this button to set horizontal swing angle

Set vertical swing angle

CLOCK
Set present time or display timer

TIMER OFF
For turning off timer

TEMP
Show set indoor/outdoor temperature

Start the ventilation system or generate cold plasma

IFEEL
Operation of the unit will be adjusted according to temperature sensed by remoter 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

5

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.

Sensed Temp 26°C
Actual Temp 26°C
26°C

Sensed Temp 26°C
Actual Temp 29°C
29°C

Remoter with I Feel

Remoter without I Feel

6
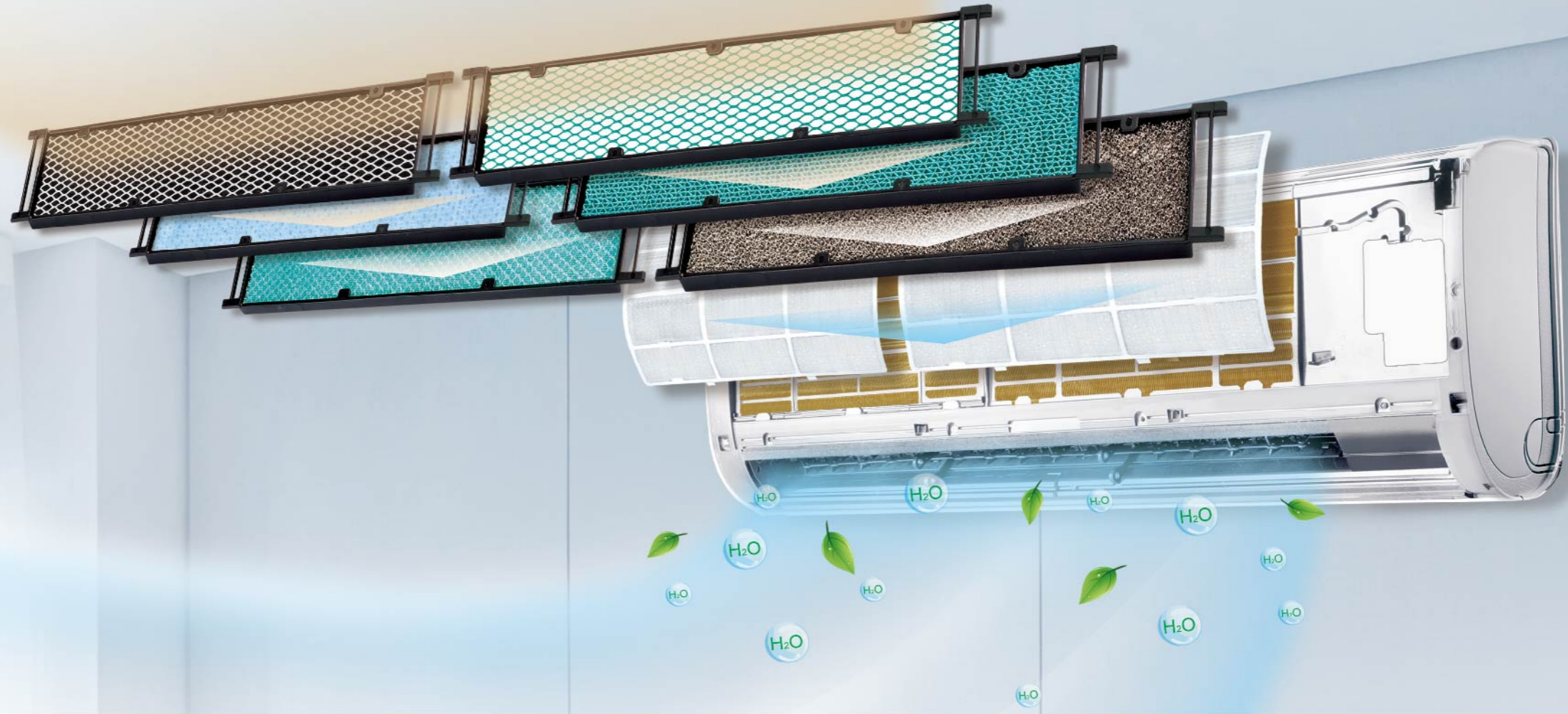
Photocatalytic Filter

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

Catechin Filter

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

Active Carbon Filter

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

Silver Ion Filter

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

Multi-function Filter

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

Auto Clean (X-FAN)

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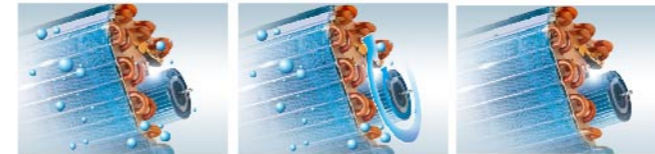
Cold Plasma

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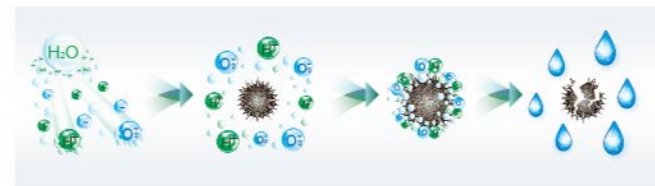
Electrostatic Dedusting Generator

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

Dust

Fresh Air

High Voltage Electrode
Charged Dust
Electrostatic Adherence
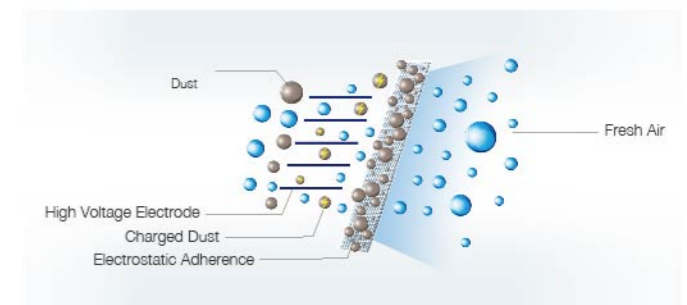
∗ Notes:Applicable to some selected models

INVERTER

Conventional IDU width
230mm

U-Cool IDU width
153mm

How Inverter Saves Energy

Drive at fixed speed. So it takes long time to reach comfortable temperature

Can't adjust accelerator. It takes long time to reach comfortable temperature, and then it becomes uncomfortable quickly

Room becomes cool at one time and warm at another time

Uncomfortable

Comfortable

0.1℃

Uncomfortable

Set temperature

Reach comfortable temperature rapidly

Adjust accelerator; more energy-saving

Keep temperature at the comfortable level

● Output power variation diagrammatic sketch

Inverter system

Fixed-speed system

Faster Cooling

0.1℃
Precise Temp Control

50%
Energy Saving

R410A
Eco-friendly Refrigerant

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

High efficiency and stable running compressor

High efficiency and larger heat exchanger with optimized piping system

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

Air Flow System

Enlarged air intake and outlet

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

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

Control System

GREE

Cutting-edge chip for precise inverter control

3DC
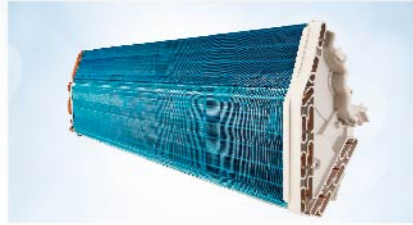
Integrated Evaporator

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
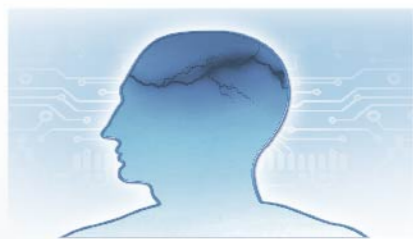
Auto Restart

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.

Self-diagnosis

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

SMPS
0.5W/1W Standby, PCB Protection

| 0.5W | 1W | 3W |
| (SMPS model) | (SMPS model) | (Normal model) |

| 85V~265V | 180V~260V |
| (SMPS model) | (Normal model) |
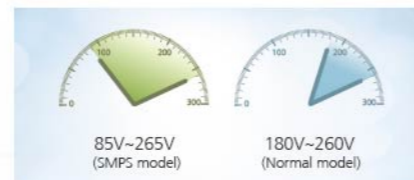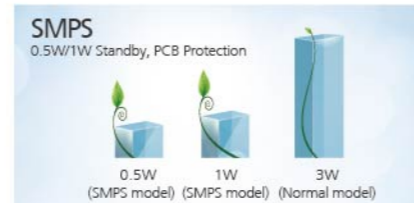
Better PCB protection between 85V-265V.
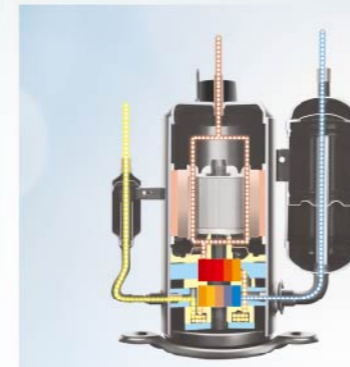
2-Stage compressor   **VS**   **Traditional Compressor**

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℃, and also metal casing is fire-proof.

Plastic Casing ODU Anti-corrosion ODU

Rust-free for installation and operation in the salty climate.
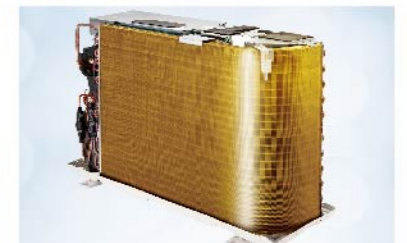
Golden/Blue Fin

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

Wall-mounted Type

Series	Capacity (Btu/h)	7000	9000	11000	12000	16000	18000	21000	22000	24000	28000	30000	36000	42000	48000	60000	Page
Hansol			●		●		●			●							15
U-Grace			●		●		●										18
Viola			●		●		●			●							20
Lomo			●		●		●			●							23
Cozy			●		●		●			●							25
Change			●		●		●			●							27

Floor Standing

Series	Capacity (Btu/h)	7000	9000	11000	12000	16000	18000	21000	22000	24000	28000	30000	36000	42000	48000	60000	Page
Fresh wind							●			●			●	●			29
Crown										●					●		31

Portable Type

Series	Capacity (Btu/h)	7000	8000	9000	10000	12000	14000	Page
Koobe		●	●					33
Cutee				●				34
Laffis					●	●		35

Dehumidifier

Series	Dehumidifying Volume (L/D)	8	10	12	14	16	20	24	30	Page
Fancy			●	●	●	●				36
Diamond			●	●						37
Sunny				●		●	●	●		38
Precise								●	●	39

Air Purifier

Series		Page
Air Purifier		40
Aqua		41

Light Commercial

Series	Capacity (Btu/h)	9000	12000	14000	18000	21000	24000	28000	30000	36000	42000	48000	53000	54000	60000	Page
Console		●	●	●												42
Free Match 3				●		●	●		●	●						43
Super Free -Match											●	●	●	●		49
U-Match				●		●	●		●	●		●			●	56

Hansol Series

INVERTER

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

Extra inner louver works when Cooling

Extra inner louver is concealed when Heating

G10 Inverter Optional

| | | | G10 Technology | Automatic Operation | LED Display | Intelligent Defrosting | 3D Airflow | Clock Display | 8°c Heating | 3 Sleep Curves | Cold Air Prevention | Quiet Design | Timer |

| 'Turbo' Button | Self-diagnosis | Auto Restart | Lock | I Feel | Overlong Distance Air Flow | Auto Clean |

| -20°C Heating | Electrostatic Dedusting | Healthy Filters | Cold Plasma | -15°C Cooling | 1 W Standby | Two-stage Compressor |

Features: ● Standard ● Optional

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
	Heating	Btu/h	9500	9500	12500	18000	24000
	Pdesignh(A)/ Pdesignh（C）	Btu/h	9500	10000	12000	18000	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
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	1Ph,220-240V,50/60Hz
Power Input	Cooling	W	660	600	890	1514	2000
	Heating	W	640	610	900	1600	2170
Rated Current	Cooling	A	3.3	3.0	4	12.08	15.46
	Heating	A	3.2	3.0	4.0	14.0	14.2
Airflow Volume	Indoor	m³/h	550	720	740	950	1200
Indoor Unit							
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	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
Outline Dimension	WxHxD	mm	806x292x209	866x292x209	866x292x209	1018x319x230	1178x326x264
Package Dimension	WxHxD	mm	885x374x282	942x374x282	942x374x282	1097x340x397	1256x364x414
Net Weight/Gross Weight	Indoor	kg	10.5/13.5	11/14	11/14	15/18.5	18/24
Outdoor Unit							
Sound Power Level	Outdoor	dB(A)	63	63	65	65	70
Piping Connection	Gas	mm	φ9.52	φ12	φ12	φ16	φ16
	Liquid	mm	φ6	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	899x596x378	899x596x378	899x596x378	955x700x396	980x790x427
Package Dimension	WxHxD	mm	945x417x630	945x417x630	945x417x630	1029x750x458	1083x855x488
Net Weight/Gross Weight	Outdoor	kg	45.5/49.5	45.5/49.5	45.5/49.5	49/53	68/73
Loading Quantity	40'GP	sets	167	166	166	119	84
	40'HQ	sets	187	186	186	135	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
	Heating	Btu/h	9500	9500	12500	19100	24000
	Pdesignh(A)/ Pdesignh（C）	Btu/h	9500	10000	12000	18000/18424	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
Energy Class			A++/A+	A+++/A++	A++/A++	A++/A+/D	A+/A+/B
Power Supply		Ph,V,Hz	1Ph,220-240V,50/60Hz	1Ph,220-240V,50/60Hz	1Ph,220-240V,50/60Hz	1Ph,230V,50Hz	1Ph,230V,50Hz
Power Input	Cooling	W	660	600	890	1514	2000
	Heating	W	640	610	900	1600	1950
Rated Current	Cooling	A	3.3	3.0	4	6.72	8.87
	Heating	A	3.2	3.0	4.0	7.1	8.65
Airflow Volume	Indoor	m³/h	550	720	740	950	1200
Indoor Unit							
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	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
Outline Dimension	WxHxD	mm	806x292x209	866x292x209	866x292x209	1018x319x230	1178x326x264
Package Dimension	WxHxD	mm	885x374x282	942x374x282	942x374x282	1097x340x397	1256x364x414
Net Weight/Gross Weight	Indoor	kg	10.5/13.5	11/14	11/14	15/18.5	17.5/21.5
Outdoor Unit							
Sound Power Level	Outdoor	dB(A)	63	63	65	65	68
Piping Connection	Gas	mm	φ9.52	φ12	φ12	φ16	φ16
	Liquid	mm	φ6	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	899x596x378	899x596x378	899x596x378	955x700x396	980x790x427
Package Dimension	WxHxD	mm	945x417x630	945x417x630	945x417x630	1029x750x458	1083x855x488
Net Weight/Gross Weight	Outdoor	kg	45.5/49.5	45.5/49.5	45.5/49.5	49/53	65/70
Loading Quantity	40'GP	sets	167	166	166	119	84
	40'HQ	sets	187	186	186	135	104

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	24000
	Heating	Btu/h	9500	9500	12500	18000	24000
	Pdesignh(A)/Pdesignh（C)	Btu/h	9500	12000	13000	18000	24000
SEER/SCOP(A)/SCOP(C)		W/W	7.0/4.0	7.5/4.6	7.0/4.6	6.4	6.3
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	1Ph/220-240V/50,60Hz
Power Input	Cooling	W	650	520	900	1514	2000
	Heating	W	685	565	895	1600	2170
Rated Current	Cooling	A	2.9	2.3	4.0	12.0	15.4
	Heating	A	3.0	2.5	4.0	14.0	14.2
Airflow Volume	Indoor	m³/h	550	730	770	950	1200
Indoor Unit							
Sound Power Level	Indoor	dB(A)\(SH/H/M/L)	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	65/62/58/56/54/52/49
Outline Dimension	WxHxD	mm	806x292x209	866x292x209	866x292x209	1018x319x230	1178x326x264
Package Dimension	WxHxD	mm	885x374x282	942x374x282	942x374x282	1097x397x340	1256x414x364
Net Weight/Gross Weight	Indoor	kg	10.5/13.5	11.0/14.0	11.0/14.0	15/18.5	17.5/21.5
Outdoor Unit							
Sound Power Level	Outdoor	dB(A)	62	62	63	65	68
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	980x790x427
Package Dimension	WxHxD	mm	878x360x580	945x417x630	945x417x630	1029x458x750	1083x488x855
Net Weight/Gross Weight	Outdoor	kg	36.0/40.0	43.0/47.0	43.0/47.0	49.0/53.0	69.0/74.0
Loading Quantity	40'GP	sets	188	166	166	119	84
	40'HQ	sets	218	186	186	135	104

U-Grace Series

159mm Slim body ▪ Only 159mm inspired by beautiful U design, it presents more space flexibility and greater artistry.

Comfortable Energy-saving mode ▪ It offers a perfect balance between most comfortable temperature and least power consumption.

G10 Inverter

Automatic Operation	LED Display	I Feel
8 °c Heating	Sleep Mode	Cold Air Prevention
Quiet Design	Timer	'Turbo' Button
Self-diagnosis	Auto Clean	
Dehumidifying	Energy Saving	Auto Restart
Heating Under Low Temperature	Memory	3 Sleep Curves
Healthy Filters	Cold Plasma	

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	18000
	Heating	Btu/h	9500	13000	19500
	Pdesignh	Btu/h	9200	11300	17800
SEER/SCOP(A)		W/W	6.1/4.0	6.1/4.0	6.1/3.8
Energy Class			A++/A+	A++/A+	A++/A
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	720	1090	1700
	Heating	W	760	1170	1750
Rated Current	Cooling	A	6.0	6.5	10.7
	Heating	A	7.0	7.5	11.6
Airflow Volume	Indoor	m³/h	560	560	850
Indoor Unit					
Sound Power Level	Indoor	dB(A)\(SH/H/M/L)	55/52/49/47/45/43/41	55/53/50/48/46/44/42	58/56/54/52/50/48/46
Outline Dimension	WxHxD	mm	896x320x159	896x320x159	998x340x178
Package Dimension	WxHxD	mm	973x403x255	973x403x255	1083x428x283
Net Weight/Gross Weight	Indoor	kg	11.0/14.0	11.0/14.0	15.0/19.0
Outdoor Unit					
Sound Power Level	Outdoor	dB(A)	63	63	65
Piping Connection	Gas	mm	φ9.52	φ12	φ12
	Liquid	mm	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776x540x320	842x596x320	955x700x396
Package Dimension	WxHxD	mm	851x595x363	881x645x363	1029x750x458
Net Weight/Gross Weight	Outdoor	kg	31/35	34/37	48/53
Loading Quantity	40'GP	sets	207	194	125
	40'HQ	sets	239	216	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.

I Feel	8 ℃ 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℃ 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
	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	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	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776x540x320	848x540x320	955x700x396	980x790x427
Package Dimension	WxHxD	mm	851x595x363	878x580x360	1029x458x750	1080x485x840
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

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	845x275x180	845x275x180	945x298x211	1018x315x223
Package Dimension	WxHxD	mm	926x267x371	926x267x371	1013x383x300	1086x398x328
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	980x427x790
Package Dimension	WxHxD	mm	881x363x595	948x420x645	1029x458x750	1083x488x855
Net Weight/Gross Weight	Outdoor	kg	36/40	43/47	48/52.5	63/68
Loading Quantity	40'GP	sets	211	174	127	95
	40'HQ	sets	246	198	149	113

Model			GWH09RB-K3DBA3D	GWH12RB-K3DBA3D	GWH18RC-K3DBA3D	GWH24RD-K3DBA3A
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9,000	12,000	18000	22000
	Heating	Btu/h	9,400	12,500	19107	22000
	Pdesignh(A)/Pdesignh（C)	Btu/h	9,200/13,650	12,500/17,000	18000/18000	22000/22000
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	845x275x180	845x275x180	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	955x396x700	980x427x790
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	40'GP	sets	167	166	127	95
	40'HQ	sets	187	186	149	113

Lomo Series

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,220-240,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	860	1150	1625	1760
	Heating	W	930	1100	1760	2360
Rated Current	Cooling	A	1420	1550	2650	14.35
	Heating	A	6.9	6.9	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	823x358x595	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

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).

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

INVERTER

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
Power Input	Cooling	W	870	1170	1625	2180
	Heating	W	900	1200	1760	2220
Rated Current	Cooling	A	7	7	2650	2650
	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	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776x540x320	776x540x320	955x700x396	980x427x790
Package Dimension	WxHxD	mm	851x595x363	851x595x363	1026x455x735	1083x488x855
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

1 W Standby · I Feel · LED Display · Intelligent Defrosting · 8 °c Heating · Sleep Mode · Cold Air Prevention · Timer · 'Turbo' Button · Self-diagnosis · Auto Clean

Dehumidifying · Energy Saving · Auto Restart · Healthy Filters · Cold Plasma

Features: ● Standard ● Optional

Change Series

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）		W/W	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	1Ph,220-240V,50Hz
Power Input	Cooling	W	870	1150	1600	2180
	Heating	W	900	1100	1750	2220
Rated Current	Cooling	A	1420	1550	12	13
	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	770x283x201	770x283x201	865x305x215	1007x315x219
Package Dimension	WxHxD	mm	847x345x276	847x352x276	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	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776x540x320	848x540x320	955x700x396	980x790x427
Package Dimension	WxHxD	mm	851x363x595	881x595x363	1026x455x735	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	129	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

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

Features: ● Standard ● Optional

Fresh Wind Series

Model			GVA48AD-M3NNA9C	GVA48AH-M3NNA5B	GVA60AH-M3NNA5A
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	40944	42000	52988
	Heating	Btu/h	47768	50000	64828
EER/C.O.P		W/W	2.41/2.81	2.61/2.90	2.51/2.91
Power Supply		Ph,V,Hz	3Ph,380-415V,50Hz	3Ph,380-415V,50Hz	3Ph,380-415V,50Hz
Power Input	Cooling	W	4980	4720	6190
	Heating	W	4980	5050	6530
Rated Current	Cooling	A	13	8.03	10.5
	Heating	A	13	8.59	11
Airflow Volume	Indoor	m³/h	1800	1800	2000
Indoor Unit					
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	54/52/50/48	52/50/48/46	54/52/50/47
Outline Dimension	WxHxD	mm	581x1870x395	581x1870x395	581x1870x395
Package Dimension	WxHxD	mm	2113x738x515	2083x738x545	2083x738x545
Net Weight/Gross Weight	Indoor	kg	62/88	60/80	63/89
Outdoor Unit					
Sound Power Level	Outdoor	dB(A)	59	59	63
Piping Connection	Gas	mm	φ19	φ19	φ19
	Liquid	mm	φ12	φ12	φ12
Outline Dimension	WxHxD	mm	840x1050x410	1032x1250x412	1032x1250x412
Package Dimension	WxHxD	mm	1103x453x1000	1113x453x1400	1113x453x1400
Net Weight/Gross Weight	Outdoor	kg	74/84	105/116	117/128
Loading Quantity	40'GP	sets	41	35	35
	40'HQ	sets	49	41	40

5 Environmental Modes • The unit is able to automatically adjust the operation status according to different environmental modes.

"Turbo" Cooling& Heating
• Large air flow
• Rapid cooling & heating

Timer	'Turbo' Button	Automatic Operation	LED Display	Intelligent Defrosting	Auxiliary Heating	Clock Display	Auto Clean	Comfortable Sleep Mode	Cold Air Prevention	3D Airflow

Self-diagnosis	Auto Restart	Lock	Fresh Air Supply Ventilation

Features: ● Standard ● Optional

Crown Series

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

Model			GVH48AF-M3DNA4A
Function			Cooling/Heating
Capacity	Cooling	Btu/h	46000(13500-6200)
	Heating	Btu/h	52000(15200-6400)
EER/C.O.P		W/W	3.21/3.61
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz
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	580/1865/400
Package Dimension	WxHxD	mm	735/2105/545
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	950/1250/412
Package Dimension	WxHxD	mm	1110/1280/450
Net Weight/Gross Weight	Outdoor	kg	112/123
Loading Quantity	40'GP	sets	33
	40'HQ	sets	39

Timer | 'Turbo' Button | Automatic Operation | LED Display | Intelligent Defrosting | Self-diagnosis | Clock Display | 3D Airflow | Comfortable Sleep Mode | Cold Air Prevention | Auto Clean

Auto Restart | Lock | Auxiliary Heating

Features: ● Standard ● Optional

Koobe Series

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

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

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

Features: ● Standard ● Optional

Model			GPC07AH-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.

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

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.

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

Features: ● Standard ● Optional

Model			GPC12AJ-K3NNA1A	GPH12AJ-K3NNA1A
Function			Cooling	Cooling/Heating
Capacity	Cooling	Btu/h	12000	12000
	Heating	Btu/h	-	12000
EER/C.O.P		W/W	2.61	2.61/3.01
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	-	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

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

Features: ● Standard ● Optional

Model		GDN08AJ-K4MBC1A	GDN10AJ-K4MBC1A	GDN12AJ-K4EBC1A	GDN16AJ-K4EBC1A
Dehumidifying Volume	L/D	8	10	12	16
Power Supply	Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	W	190	190	230	280
Power Current	A	0.85	0.85	1.4	1.25
Rate Current	A	1.4	1.5	1.5	1.8
Airflow Volume	m³/h	100	100	100/80	100/80
Sound Power Level	dB(A)(H/L)	43	43	43/41	43/41
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	396x525x274	396x525x274	396x525x274	396x525x274
Net Weight/Gross Weight	kg	10.5/11.5	10.5/11.5	10.5/11.5	12/13
Loading Quantity (40'GP)	sets	1000	1000	1000	1000
Loading Quantity (40'HQ)	sets	1250	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.

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

Features: ● Standard ● Optional

Model		GDN08AK-K4MBD1A	GDN10AK-K4MBD1A
Dehumidifying Volume	L/D	8	10
Power Supply	Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	W	200	200
Power Current	A	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℃ Low Temperature Operation • Operate finely at 5℃ ,making you enjoy fresh air under any environment.

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

Features: ● Standard ● Optional

Model		GDN10AH-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	m²/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	343x528x262	343x528x262	343x523x262	343x523x262	343x523x262
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

High Loading Quantity — Nearly 1600 sets per 40'HQ saves more space and shipment cost.

Innovative Water Tank Design — The water tank is installed on the back of the body, to present a perfect outlook.

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

Features: ● Standard ● Optional

Model		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

Air Purifier
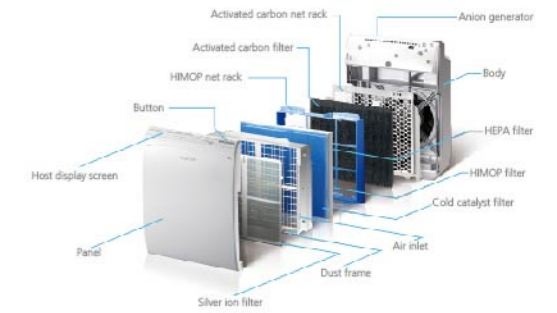
HEPA High Efficiency Dedusting Filter — Eliminate 99.97% of dust and almost 100% of cigarette.

HIMOP Odor-free Filter — Focus on absorption of formaldehyde and other hazardous odor.

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

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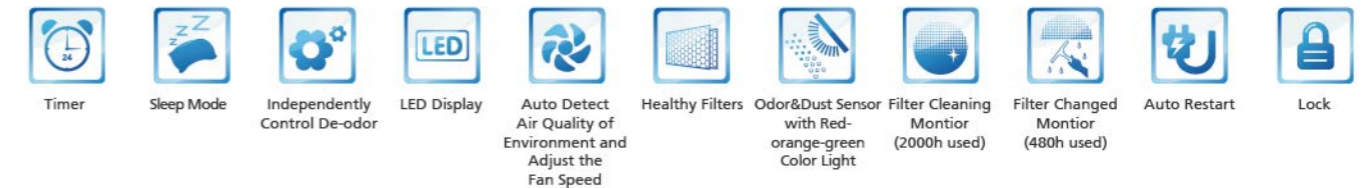
Features: ● Standard ● Optional

Model		GCF300CKNA
Power Supply		1Ph, 220-240V, 50Hz
Function		Filter type
Power Input	W	95
Rated Current	A	0.41
Airflow Volume	m³/h	300
Recommend Area	m²	15
Sound Pressure Level	T/H/L/M	50/44/36/26
CADR	m³/h	180
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

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

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

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	60
Rated Current	A	0.22	0.26	0.26
Airflow Volume	m³/h	220	240	260
Recommend Area	m³	10	14	17
Sound Pressure Level	H/L/M/S	48/45/40/35	48/45/40/35	48/45/40/35
CADR	m³/h	120	160	200
Humidifying Volume	m³/h	350	400	400
Outline Dimension	mm	385×278×608	385×278×608	385×278×608
Package Dimension	mm	433×318×667	433×318×667	433×318×667
Net weight/Gross Weight	kg	11/13	11/13	11/13
Loading Quantity（40'GP）	sets	576	576	576
Loading Quantity（40'HP）	sets	768	768	768

Console Series

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

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

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

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

INVERTER

Model			GEH09AA-K3DNA1B	GEH12AA-K3DNA1B	GEH18AA-K3DNA1B
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8871	11942	18000
	Heating	Btu/h	9383	13648	18766
	Pdesignh	Btu/h	9383	9554	15354
SEER/SCOP(A)		W/W	5.6/3.8	5.6/3.8	5.6/3.8
Energy Class			A+/A	A+/A	A+/A
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	760	1080	1630
	Heating	W	910	1108	1520
Rated Current	Cooling	A	6.74	7.39	10.87
	Heating	A	6.74	7.39	10.87
Airflow Volume	Indoor	m³/h	500	600	650
Indoor Unit					
Sound Power Level	Indoor	dB(A)SH/H/HM/M/ML/L/SL	52/50/45/40	54/52/49/42	59/57/53/47
Outline Dimension	WxHxD	mm	700x600x215	700x600x215	700x600x215
Package Dimension	WxHxD	mm	788x697x283	788x697x283	788x697x283
Net Weight/Gross Weight	Indoor	kg	15/18	15/18	15/18
Outdoor Unit					
Sound Power Level	Outdoor	dB(A)	61	62	64
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12
	Liquid	mm	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848x540x320	848x540x320	955X700X396
Package Dimension	WxHxD	mm	881x595x363	881x595x363	1029X750X458
Net Weight/Gross Weight	Outdoor	kg	33/37	33/37	49/54
Loading Quantity	40'GP	sets	174	174	121
	40'HQ	sets	205	205	134

AIR PURIFIER

LIGHT COMMERCIAL

Free Match 3 Series

INVERTER
Consumes less energy, more comfort

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℃ Low Temperature Operation — Operate finely when cooling at -15℃.

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	7K+12K	9K+9K
12K	9K+12K	

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
12K+18K	

23 combinations

GWHD(24)NK3GO(2 to 3)

Two units		Three 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+9K+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
12K+18K	18K+18K	12K+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+7K+7K+9K	7K+7K+7K+12K
7K+12K	7K+18K	7K+7K+18K	7K+9K+9K	7K+9K+12K	7K+7K+7K+18K	7K+7K+9K+9K	7K+7K+9K+12K
9K+9K	9K+12K	7K+9K+18K	7K+12K+12K	7K+12K+18K	7K+7K+9K+18K	7K+7K+12K+12K	7K+9K+9K+9K
9K+18K	12K+12K	9K+9K+9K	9K+9K+12K	9K+9K+18K	7K+9K+9K+12K	9K+9K+9K+9K	9K+9K+9K+12K
12K+18K	18K+18K	9K+12K+12K	9K+12K+18K	12K+12K+12K	9K+9K+12K+12K		
		12K+12K+18K					

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

200 combinations

GWHD(42)
NK3AO(2 to 5)

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+21K+21K	7K+12K+12K+21K	9K+9K+18K+24K	9K+9K+12K+21K	7K+7K+7K+7K+7K	7K+7K+9K+9K+18K	7K+9K+9K+12K+24K	9K+9K+9K+12K+21K	9K+9K+9K+18K+18K
7K+21K	7K+7K+9K	7K+21K+24K	12K+12K+18K	7K+7K+7K+9K	7K+7K+21K+24K	7K+12K+12K+24K	9K+9K+21K+21K	9K+9K+12K+24K	7K+7K+7K+7K+9K	7K+7K+9K+9K+21K	7K+9K+9K+12K+12K	9K+9K+9K+12K+24K	9K+9K+12K+12K+18K
7K+24K	7K+7K+12K	7K+24K+24K	12K+12K+21K	7K+7K+7K+12K	7K+9K+9K+9K	7K+12K+18K+18K	9K+12K+12K+12K	9K+9K+18K+18K	7K+7K+7K+7K+12K	7K+7K+9K+12K+12K	7K+9K+9K+18K+18K	9K+9K+9K+18K+18K	9K+9K+12K+12K+21K
9K+12K	7K+7K+18K	9K+9K+9K	12K+12K+24K	7K+7K+7K+18K	7K+9K+9K+12K	7K+12K+18K+21K	9K+12K+12K+18K	9K+9K+18K+21K	7K+7K+7K+7K+18K	7K+7K+9K+12K+18K	7K+9K+9K+18K+21K	9K+9K+9K+18K+21K	9K+9K+12K+12K+24K
9K+18K	7K+7K+21K	9K+9K+12K	12K+18K+18K	7K+7K+7K+21K	7K+9K+9K+18K	7K+12K+18K+24K	9K+12K+12K+21K	9K+9K+18K+24K	7K+7K+7K+7K+21K	7K+7K+9K+12K+21K	7K+9K+9K+18K+24K	9K+9K+9K+18K+24K	9K+9K+12K+12K+12K
9K+21K	7K+7K+24K	9K+9K+18K	12K+18K+21K	7K+7K+7K+24K	7K+9K+9K+21K	7K+18K+18K+18K	9K+12K+18K+18K	9K+9K+21K+21K	7K+7K+7K+7K+24K	7K+7K+9K+12K+24K	7K+9K+12K+12K+12K	9K+9K+12K+12K+12K	9K+9K+9K+9K+9K
9K+24K	7K+9K+9K	9K+9K+21K	12K+18K+24K	7K+7K+9K+9K	7K+9K+12K+12K	7K+18K+18K+24K	9K+12K+18K+21K	9K+9K+18K+18K	7K+7K+7K+9K+9K	7K+7K+12K+12K+12K	7K+9K+12K+12K+18K	9K+9K+12K+12K+18K	9K+9K+9K+12K+12K
12K+12K	7K+9K+12K	9K+9K+24K	12K+21K+21K	7K+7K+9K+12K	7K+9K+12K+18K	9K+9K+9K+9K	7K+7K+9K+12K+12K	7K+9K+9K+12K+24K	7K+7K+7K+9K+12K	7K+9K+9K+9K+12K	7K+12K+12K+12K+18K	9K+9K+12K+12K+21K	9K+9K+9K+12K+18K
12K+18K	7K+9K+18K	9K+12K+12K	12K+21K+24K	7K+7K+9K+18K	7K+9K+12K+21K	9K+9K+9K+12K	7K+7K+9K+12K+18K	7K+9K+9K+12K+12K	7K+7K+7K+9K+18K	7K+9K+9K+9K+18K	7K+12K+12K+12K+21K	9K+9K+12K+12K+24K	9K+9K+9K+12K+21K
12K+21K	7K+9K+21K	9K+12K+18K	12K+24K+24K	7K+7K+9K+21K	7K+9K+18K+18K	9K+9K+9K+18K	7K+7K+12K+12K+12K	7K+9K+12K+12K+12K	7K+7K+7K+9K+21K	7K+9K+9K+9K+21K	7K+12K+12K+18K+18K	9K+12K+12K+12K+12K	9K+9K+9K+18K+18K
12K+24K	7K+9K+24K	9K+12K+21K	18K+18K+18K	7K+7K+9K+24K	7K+9K+18K+21K	9K+9K+9K+21K	7K+7K+12K+12K+18K	7K+9K+12K+12K+21K	7K+7K+7K+9K+24K	7K+9K+9K+12K+12K	7K+12K+12K+18K+21K	9K+12K+12K+12K+18K	9K+9K+9K+9K+9K
18K+18K	7K+12K+12K	9K+12K+24K	18K+18K+21K	7K+7K+12K+12K	7K+9K+18K+24K	9K+9K+12K+12K	7K+7K+12K+12K+21K	7K+12K+12K+12K+21K	7K+7K+9K+9K+9K	7K+9K+9K+12K+18K	7K+12K+12K+18K+24K	9K+12K+12K+12K+21K	-
18K+24K	7K+12K+18K	9K+12K+12K	18K+18K+24K	7K+7K+12K+18K	7K+9K+24K+24K	9K+12K+12K+12K	7K+9K+9K+12K+12K	7K+12K+12K+12K+24K	7K+7K+9K+9K+18K	7K+9K+9K+12K+24K	9K+9K+9K+9K+9K	9K+12K+12K+12K+24K	-
21K+21K	7K+12K+21K	9K+18K+18K	18K+18K+18K	7K+7K+12K+21K	7K+12K+12K+12K	9K+12K+12K+18K	7K+9K+9K+12K+18K	7K+12K+12K+18K+18K	7K+7K+9K+9K+21K	7K+9K+9K+18K+18K	9K+9K+9K+9K+12K	9K+9K+9K+9K+18K	-
21K+24K	7K+12K+24K	9K+18K+24K	21K+21K+21K	7K+7K+18K+18K	7K+12K+12K+18K	9K+9K+12K+24K	7K+9K+9K+18K+18K	7K+12K+12K+18K+24K	7K+7K+9K+9K+24K	7K+9K+9K+18K+24K	9K+9K+9K+9K+18K	9K+9K+9K+9K+24K	-
24K+24K	7K+18K+18K	9K+21K+21K	-	7K+7K+18K+21K	7K+12K+12K+21K	9K+9K+18K+18K	7K+9K+9K+21K+21K	12K+12K+18K+21K	7K+7K+18K+18K+21K	7K+12K+12K+12K+12K	9K+9K+9K+9K+21K	9K+9K+9K+9K+12K	-
-	7K+18K+24K	7K+24K+24K	-	7K+7K+12K+24K	7K+12K+12K+18K	9K+9K+18K+21K	9K+9K+18K+21K	7K+12K+12K+12K+18K	-	7K+7K+9K+9K+9K	9K+9K+9K+18K+21K	9K+9K+9K+18K+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	10500	12100
	Heating	Btu/h	19100	26272	29000	31750	11000	13000
	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	5.1/3.8	3.0/3.19
Energy Class			A+/A	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	1Ph,220-240V,50Hz
Power Input	Cooling	W	1550	2460	2250	2490	3030(1300~4600)	3590 (1300-4900)
	Heating	W	1550	2560	2350	2580	5100(1300~4140)	3545 (1300-4400)
Airflow Volume	Outdoor	m³/h	3200	4000	4000	4000	5500	5500
Sound Power Level	Outdoor unit	dB(A)	63	68	68	68	54	54
Piping Connection	Gas	mm	φ6.35	φ6	φ6	φ6	φ16	φ16
	Liquid	mm	φ9.52	φ9.52	φ9.52	φ9.52	φ9.52	φ9.52
Outline Dimension	WxHxD	mm	955x700x396	980x790x427	980x790x427	980x790x427	1015x1103x440	1015x1103x440
Package Dimension	WxHxD	mm	1029x750x458	1083x855x488	1083x855x488	1083x855x488	1158x1235x493	1158x1235x493
Net Weight/Gross Weight		kg	50/55	68/73	69/74	69/74	94/104	102/112
Loading Quantity	40'GP	sets	171	96	96	96	48	48
	40'HQ	sets	171	144	144	144	96	96

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	8900	11900	18100
	Heating	Btu/h	8900	9600	13000	19800
Airflow Volume		m³/h	450	500	630	850
Sound Pressure Level dB(A)		dB(A)(SH/H/MH/L)	36/34/31/28/-	37/34/31/28/-	38/34/32/30/-	46/43/40/36/-
Outline Dimension	WxHxD	mm	790x265x174	790x265x174	845x275x180	940x298x200
Package Dimension	WxHxD	mm	873x370x251	873x370x251	918x370x258	1013x300x383
Net Weight/Gross Weight		kg	9/12	9/12	10/12.5	13/16
Loading Quantity	40'GP	sets	732	732	684	541
	40'HQ	sets	852	852	798	609

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	8900	11900	18100
	Heating	Btu/h	8900	9600	13000	19800
Airflow Volume		m³/h	550	600	680	800
Sound Pressure Level dB(A)		dB(A)(SH/H/M/L)	40/38/30/24/-	41/38/30/24/-	42/39/31/25/-	45/40/37/32/-
Outline Dimension	WxHxD	mm	770x283x201	770x283x201	770x283x201	865x305x215
Package Dimension	WxHxD	mm	855x280x360	855x280x360	855x280x360	948x310x383
Net Weight/Gross Weight		kg	8/11	8/11	9/12.5	12/16
Loading Quantity	40'GP	sets	732	732	688	541
	40'HQ	sets	852	852	774	609

Free Match Indoor Unit Wall-mounted Type-Viola

Model			GWH(07)RA-K3DNA3E/I	GWH(09)RA-K3DNA3E/I	GWH(12)RB-K3DNA3E/I	GWH(18)RC-K3DNA3E/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	7200	8900	11942	18084
	Heating	Btu/h	8900	9600	12966	19790
Airflow Volume		m³/h	500	500	630	850
Sound Pressure Level dB (A)		dB(A)(SH/H/M/L)	40/37/35/-	40/37/35/32/-	42/39/36/33/-	45/42/37/33/-
Outline Dimension	WxHxD	mm	794x264.5x196	794x264.5x196	848x274x189	945x298x211
Package Dimension	WxHxD	mm	873x365x258	873x365x258	926x371x267	1013x300x383
Net Weight/Gross Weight		kg	9/12	9/12	10/13	13/17
Loading Quantity	40'GP	sets	720	720	636	476
	40'HQ	sets	840	840	742	544

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)	18084(5300W)
	Heating	Btu/h	8871(2600W)	9554(2800W)	12966(3800W)	19790(5800W)
	Pdesignh	Btu/h	-	-	-	-
Airflow Volume		m³/h	530	560	660	800
Sound Pressure Level dB (A)		dB(A)(SH/H/M/L)	40/38/32/26	41/38/32/26	42/39/33/27	46/42/39/36
Outline Dimension	WxHxD	mm	790x275x200	790x275x200	845x289x209	970x300x224
Package Dimension	WxHxD	mm	866x367x271	866x367x271	921x379x281	1041x320x383
Net Weight /Gross Weight		kg	8/10	8/10	9.5/11.5	12.5/15.5
Loading Quantity	40'GP	sets	692	692	606	487
	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)	18084(5300W)
	Heating	Btu/h	8871(2600W)	9554(2800W)	12966(3800W)	19790(5800W)
	Pdesignh	Btu/h	-	-	-	-
Airflow Volume		m³/h	450	450	560	850
Sound Pressure Level dB (A)		dB(A)(SH/H/M/L)	37/35/30/26	38 /35/30/26	39/37/31/27	44/40/35/31
Outline Dimension	WxHxD	mm	860x299x153	860x299x153	896x159x 320	998x178x340
Package Dimension	WxHxD	mm	944x247x386	944x247x386	973x255 x403	1083x283 x428
Net Weight /Gross Weight		kg	9.5/12.5	9.5/12.5	10/13	14/17
Loading Quantity	40'GP	sets	666	666	597	443
	40'HQ	sets	776	776	662	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)	18084(5300W)
	Heating	Btu/h	9554(2800W)	12966(3800W)	19790(5800W)
	Pdesignh	Btu/h	-	-	-
Airflow Volume		m³/h	500	600	650
Sound Pressure Level dB (A)		dB(A)(SH/H/M/L)	40/38/33 /27	42/40/37 /32	48/46/41 /35
Outline Dimension	WxHxD	mm	700x215x600	700x215x600	700x215x600
Package Dimension	WxHxD	mm	788x697x283	788x697x283	788x697x283
Net Weight /Gross Weight		kg	15/18	15/18	15/18
Loading Quantity	40'GP	sets	381	381	381
	40'HQ	sets	454	454	454

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)	18084(5300W)
	Heating	Btu/h	9383(2750W)	12454(3650W)	19107(5600W)
	Pdesignh	Btu/h	-	-	-
Airflow Volume		m³/h	550	770	950
Sound Pressure Level dB (A)		dB(A)(SH/H/M/L)	41/36/32/24	43/36/32/24	49/44/39/33
Outline Dimension	WxHxD	mm	816x292x209	866x292x209	1018X319X230
Package Dimension	WxHxD	mm	888x297x377	945x297x377	1097X340X397
Net Weight /Gross Weight		kg	10.5/13	11/13.5	15/18.5
Loading Quantity	40'GP	sets	591	566	381
	40'HQ	sets	669	640	442

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	24230
	Heating	Btu/h	13648	17060	27300
Airflow Volume		m³/h	600	600	1180
Sound Pressure Level dB (A)		dB(A)(SH/H/M/L)	46/42	46/42	39/35
Outline Dimension (main body)	WxHxD	mm	570x230x570	570x230x570	840x240x840
Package Dimension (main body)	WxHxD	mm	851x325x731	851x325x731	963x325x963
Net Weight /Gross Weight		kg	18/23	18/23	30/38
Outline Dimension (panel)	WxHxD	mm	650x50x650	650x50x650	950x60X950
Package Dimension (panel)	WxHxD	mm	733x117x673	733x117x673	1043x130x1028
Net Weight /Gross Weight		kg	2.5/3.5	2.5/3.5	6.5/10
Loading Quantity	40'GP	sets	209	209	108
	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	24230
	Heating	Btu/h	9550	13140	18770	22520	27300
Airflow Volume		m³/h	450	500	700	1000	1000
Sound Pressure Level dB (A)		dB(A)(H/L)	37/31	39/32	41/33	42/34	42/34
Outline Dimension (main body)	WxHxD	mm	700x200x615	700x200x615	900x200x615	1100x200x615	1100x200x615
Package Dimension (main body)	WxHxD	mm	893x305x743	893x305x743	1123x305x743	1323x305x743	1323x305x743
Net Weight /Gross Weight		kg	22/27	23/29	27/36	31/41	31/41
Loading Quantity	40'GP	sets	234	234	180	162	162
	40'HQ	sets	234	234	180	162	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	24230
	Heating	Btu/h	9550	13140	18770	27300
Airflow Volume		m³/h	650	650	950	1250
Sound Pressure Level dB (A)		dB(A)(H/L)	40/36	40/36	45/40	48/44
Outline Dimension	WxHxD	mm	1220x225x700	1220x225x700	1220x225x700	1220x225x700
Package Dimension	WxHxD	mm	1343x315x823	1343x315x823	1343x315x823	1343x315x823
Net Weight /Gross Weight		kg	40/45	40/45	40/45	45/54
Loading Quantity	40'GP	sets	132	132	132	132
	40'HQ	sets	132	132	132	132

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

Super Free-match

INVERTER R410A

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

42000BTU/h, 48000BTU/h, 56000BTU/h

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

FXB3A-K
FXB5A-K

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

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

- Power supply startup delay design, lower the unit starting current.

- High efficiency thanks to DC inverter compressor.

- The lowest noise thanks to advanced technology.

- The system could run stably under hard operation conditions.

- Connection pipe up to 145 meter length that convinent on installation.

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

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

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

GWHD(42S)NK3CO (2 to 6)

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

288 Combinations

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

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

288 Combinations

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

448 Combinations

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

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

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

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

Outdoor Unit

Model	Heat Pump		GWHD(42S)NK3CO	GWHD(48S)NK3CO	GWHD(48S)NM3CO	GWHD(56S)NK3CO	GWHD(56S)NM3CO
Capacity	Cooling	BTU/h	42000	47800	47800	52900	54600
	Heating	BTU/h	42700	53000	54600	58000	61400
EER/COP	Cooling	kW/kW	3.0/3.38	2.86/3.60	2.90/3.20	2.92/3.95	2.80/3.50
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	3Ph,380-415V,50Hz	1Ph,220-240V,50Hz	3Ph,380-415V,50Hz
Power input	Cooling	kW	4.10	4.90	4.40	5.30	5.00
	Heating	kW	3.70	4.30	4.25	4.30	4.70
Refrigerant charge volume		kg	4.95				
Air Pressure Level		m³/h	6400	6400	7000	7000	7000
Sound pressure level		dB(A)	57	57	58	57	58
Dimension(W×D×H)	Outline	mm	900×340×1350	900×340×1350	900×340×1350	900×340×1350	900×340×1350
	Package	mm	983×443×1398	983×443×1398	983×443×1398	983×443×1398	983×443×1398
Net weight/Gross weight		kg	116/125				
Connecting pipe diameter	Gas	inch(mm)	φ5/8(15.9)	φ5/8(15.9)	φ5/8(15.9)	φ5/8(15.9)	φ3/4(19.05)
	Liquid	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)
Max. equivalent connection pipe length		m	115	135	135	145	145
Maximum drive IDU NO.		unit	6	8	8	9	9
Loading quantity		40'GP/40'HQ set	50/50	50/50	50/50	50/50	50/50

BU Module

Model		A	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	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	3Ph,380-415V,50Hz
Sound pressure level		dB(A)	28	28	28	28	30	30
Sound Power Level		dB(A)	38	38	38	38	40	40
Dimension(WxDxH)	Outline	mm	532x313x182	532x313x182	532x313x182	532x313x182	617x410x193	617x410x193
	Package	mm	683x392x270	683x392x270	683x392x270	683x392x270	676x473x275	676x473x275
Connection Method		—	Flare	Braze	Flare	Braze	Flare	Flare
Net weight/Gross weight		kg	5.5/7.5	5.5/7.5	6/8	6/8	8/10	9/11
Connecting pipe diameter (to IDU)	Gas	inch(mm)	3/8(9.52)	5/8(15.9)	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)	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)	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)	3/8(9.52)	3/8(9.52)
Maximum connect IDU NO.		unit	2	2	3	3	3	5
Loading quantity	40'GP	set	386	386	386	386	322	322
	40'HQ	set	386	386	386	386	322	322
Max. Equivalent Connection Pipe Length (BU unit to Last Indoor)		m	15	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	11946	18089
	Heating	BTU/h	8874	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	450	450	560	850
		CFM	265	265	329	500
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	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	860X153X299	860X153X299	896X159X320	998X178X340
	Package	mm	944X247X386	944X247X386	973X255X403	1083X283X428
Net weight/Gross weight		kg	9.5/12.5	9.5/12.5	11.5/14.5	15/19
Loading quantity	20'GP	set	324	324	279	216
	40' GP/40' HQ	set	666/740	666/740	585/650	440/495

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	11946	18089
	Heating	BTU/h	8874	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	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/-	46/43/40/36/-
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)	φ1/2(12.7)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	790X170X265	790X170X265	845X180X275	940X200X298
	Package	mm	873X251X370	873X251X370	918X258X370	1013X288X395
Net weight/Gross weight		kg	9/11	9/11	10/12.5	13/16
Loading quantity	20'GP	set	348	348	336	254
	40' GP/40' HQ	set	732/852	732/852	684/798	541/609

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	11946	18089
	Heating	BTU/h	8874	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	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	700X201X283	770X201X283	770X201X283	865X215X305
	Package	mm	847X264X357	847X264X357	847X264X357	948X298X395
Net weight/Gross weight		kg	8/10	8/10	9/11	12/15
Loading quantity	20'GP	set	336	336	336	264
	40' GP/40' HQ	set	696/783	696/783	696/783	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-K3DNA3E/I
Capacity	Cooling	BTU/h	7167	8874	11946	18089	22014
	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
Airflow volume		m³/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)			
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)			
Dimension(WxHxD)	Outline	mm	794X186X265	794X186X265	848X189X274	945X208X298	1018X223X315
	Package	mm	873X270X353	873X270X353	926X279X359	1013X300X383	1086X328X398
Net weight/Gross weight		kg	9/11.5	9/11.5	10/12.5	13/16	15.5/20.5
Loading quantity	20'GP	set	366	366			
	40' GP/40' HQ	set	756/840	756/840	636/742	541/609	366/427

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	17065	20478	24232
	Heating	BTU/h	9556	13140	18772	22526	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	450	550	700	1000	1000
		CFM	265	324	412	588	588
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)	φ3/8(9.52)	φ3/8(9.52)	φ1/2(12.7)	φ5/8(15.9)	φ5/8(15.9)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)	φ3/8(9.52)	φ3/8(9.52)
Dimension(WxHxD)	Outline	mm	700X200X615	700X200X615	900X200X615	1100X200X615	1100X200X615
	Package	mm	893X305X743	893X305X743	1123X305X743	1323X305X743	1323X305X743
Net weight/Gross weight		kg	22/27	23/29	27/36	31/41	31/41
Loading quantity	20'GP	set	108	108	90	72	72
	40' GP/40' HQ	set	234/234	234/234	180/180	162/162	162/162

Cassette Type Indoor Unit

Model				GKH(12)BA-K3DNA2A/I	GKH(18)BA-K3DNA2A/I	GKH(12)BA-K3DNA1A/I	GKH(18)BA-K3DNA1A/I	GKH(24)BA-K3DNA1A/I
Capacity	Cooling		BTU/h	11946	15359	11946	17065	24232
	Heating		BTU/h	13652	17065	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	600	600	680	680	1180
			CFM	353	353	400	400	694
Sound pressure level (SH/H/MH/M/ML/L/SL)			dB(A)	46/42	46/42	37/33	37/33	39/35
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	570x230x570	570x230x570	840x190x840	840x190x840	840x190x840
		Package	mm	851x325x731	851x325x731	960x273x963	960x273x963	960x273x963
	Net weight/Gross weight		kg	18/23	18/23	25/33	25/33	28/35
Panel	Dimension (WxHxD)	Outline	mm	650x50x650	650x50x650	950x60x950	950x60x950	950x60x950
		Package	mm	733x117x673	733x117x673	1043x130x1028	1043x130x1028	1043x130x1028
	Net weight/Gross weight		kg	2.5/3.5	2.5/3.5	6.5/10	6.5/10	6.5/10
Loading quantity	40' GP/40' HQ		set	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	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
Airflow volume		m³/h	650	650	950	1250
		CFM	382	382	559	735
Sound pressure level (SH/H/MH/M/ML/L/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
Airflow volume		m³/h	650	750	840
		CFM	382.3529412	441	494
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	40/38/36/33/30/27/25	42/40/38/37/35/32/25	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	791X710X286	791X710X286	791X710X286
Net weight/Gross weight		kg	15/18	15/18	15/18
Loading quantity	20'GP	set	168	168	168
	40' GP/40' HQ	set	348/440	348/440	348/440

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.

Light Commercial

U-Match

R410A INVERTER A Energy Efficiency Class A

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.

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

- Double ambient temperature sensor design makes a precision temperature monitoring.
- law start-up current thanks to power delay control design
- Higher efficiency thanks to sine wave DC inverter compressor control.
- High reliability and easy maintenance thanks to one piece integrated PCB board.
- Stable cooling/heating under -15℃ outdoor environment temperature (for the unit CUHD*C1O).

CE
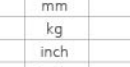
Indoor Unit

Duct type

- Drain pump fitted as optional with increased lift of 1100mm.
- Fresh air inlet and air valve control function improve the indoor air quality.
- Flexible air in/outlet and condensing water outlet direction according to different installation requirements.
- Optimized air duct design improves the performance and lower the noise.

Cassette type

- Drain pump fitted as standard with increased lift of 1100mm.
- Special low noise fan design.
- Different swing angle design for cooling and heating mode for better comfort.

Floor ceiling type

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

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

Units Lineup

Capacity Index (Btu/h)		9K	12K	18K	24K	30K
Outdoor Unit	Model	GUHD09NK3FO	GUHD12NK3FO	GUHD18NK3FO	GUHD24NK3FO	GUHD30NK3FO
Outdoor Unit	Picture	SJ2PC020126	SJ2PC020128		SJ2PC020129	
Indoor Unit	Duct Model	GFH09K3FI	GFH12K3FI	GFH18K3FI	GFH24K3FI	GFH30K3FI
Indoor Unit	Duct Picture	SJ2PC020132			SJ2PC020133	
Indoor Unit	Cassette Model	——	GKH12K3F	GKH18K3FI	GKH24K3FI	GKH30K3FI
Indoor Unit	Cassette Picture	——	SJ2PC020136		SJ2PC020137	
Indoor Unit	Floor Ceiling Model	GTH09K3FI	GTH12K3FI	GTH18K3FI	GTH24K3FI	GTH30K3FI
Indoor Unit	Floor Ceiling Picture	SJ2PC020221			SJ2PC020222	

Capacity Index (Btu/h)		36K		42K		48K		60K
Outdoor Unit	Model	GUHD36NK3FO	GUHD36NM3FO	GUHD42NK3FO	GUHD42NM3FO	GUHD48NK3FO	GUHD48NM3FO	GUHD60NM3FO
Outdoor Unit	Picture	SJ2PC020130		SJ2PC020131				SJ2PC020118
Indoor Unit	Duct Model	GFH36K3F	GFH36K3FI	GFH42K3FI	GFH42K3FI	GFH48K3FI	GFH48K3FI	GFH60K3FI
Indoor Unit	Duct Picture	SJ2PC020134				SJ2PC020135		
Indoor Unit	Cassette Model	GKH36K3FI	GKH36K3FI	GKH42K3FI	GKH42K3FI	GKH48K3FI	GKH48K3FI	GKH60K3F
Indoor Unit	Cassette Picture	SJ2PC020137				SJ2PC020138		
Indoor Unit	Floor Ceiling Model	GTH36K3FI	GTH36K3FI	GTH42K3F	GTH42K3F	GTH48K3F	GTH48K3F	GTH60K3FI
Indoor Unit	Floor Ceiling Picture	SJ2PC020222				SJ2PC020142		

57

Model			Outdoor unit	GUHD09NK3FO		GUHD12NK3FO		
			Indoor unit	Duct	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH09K3FI	GTH09K3FI	GFH12K3FI	GKH12K3FI	GTH12K3FI
Capacity	Cooling		W	2700	2700	3500	3500	3500
			Btu/h	9212	9212	11942	11942	11942
	Heating		W	2900	2900	3800	3800	3800
			Btu/h	9895	9895	12966	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		1Ph,220-240V,50Hz		
Power input	Cooling		kW	0.84	0.84	1.17	1.09	1.09
	Heating		kW	0.80	0.80	1.05	1.05	1.05
Current input	Cooling		A	3.9	3.9	5.4	5.0	5.0
	Heating		A	3.7	3.7	4.9	4.9	4.9
Refrigerant charge volume			kg	1.2	1.2	1.2	1.2	1.2
Indoor unit	Air flow volume(H/M/L)		CFM	383	353	441	412	412
			m³/h	650	600	750	700	700
	ESP	Rated	Pa	25	—	25	—	—
		Range	Pa	0-30	—	0-30	—	—
	Sound pressure level (H/M/L)		dB(A)	36/34/28/26	31/29/26/24	37/36/34/28	46/45/41/36	35/33/30/27
	Dimension (W×D×H)	Outline	mm	883x665x250	1220x700x225	998x721x266	596x596x240	1220x700x225
		Package	mm	1023x748x320	1343x823x315	1123x798x323	773x733x300	1343x823x315
	Net weight/Gross weight		kg	27/32	38/45	33/38	20/24	39/46
Panel	Dimension (W×D×H)	Outline	mm	—	—	—	650x650x50	—
		Package	mm	—	—	—	763x763x105	—
	Net weight/Gross weight		kg	—	—	—	3.5/5.0	—
Outdoor unit	Sound pressure level		dB(A)	52		52		
	Dimension (W×D×H)	Outline	mm	848x320x540		848x320x540		
		Package	mm	881x363x595		881x363x595		
	Net weight/Gross weight		kg	34/37		34/37		
Connection pipe	Outer diameter	Liquid	inch	φ1/4		φ1/4		
		Gas	inch	φ3/8		φ3/8		
	Max.distance	Height/Length	m	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	Cassette	Floor Ceiling
				GFH18K3FI	GKH18K3FI	GTH18K3FI	GFH24K3FI	GKH24K3FI	GTH24K3FI
Capacity	Cooling		W	5000	5000	5000	7000	7000	7000
			Btu/h	17060	17060	17060	23884	23884	23884
	Heating		W	5600	5500	5600	8000	8000	8000
			Btu/h	19107	18766	19107	27296	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	5.1/3.8
Power supply			Ph/V/Hz	1Ph,220-240V,50Hz			1Ph,220-240V,50Hz		
Power input	Cooling		kW	1.60	1.55	1.55	2.18	2.18	2.18
	Heating		kW	1.58	1.64	1.55	2.21	2.21	2.21
Current input	Cooling		A	7.5	7.2	7.2	10.1	10.1	10.1
	Heating		A	7.4	7.6	7.2	10.2	10.2	10.2
Refrigerant charge volume			kg	1.4	1.4	1.4	2.2	2.2	2.2
Indoor unit	Air flow volume(H/M/L)		CFM	589	447	589	824	765	706
			m³/h	1000	760	1000	1400	1300	1200
	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	44/42/38/32	47/46/44/40	47/46/42/38	49/48/46/40
	Dimension (W×D×H)	Outline	mm	998x721x266	596x596x240	1220x700x225	1239x558x268	840x840x240	1220x700x225
		Package	mm	1123x798x323	773x733x300	1343x823x315	1348x597x283	963x963x325	1343x823x315
	Net weight/Gross weight		kg	33/38	20/24	39/46	34/39	26/32	40/50
Panel	Dimension (W×D×H)	Outline	mm	—	650x650x50	—	—	950x950x60	—
		Package	mm	—	763x763x105	—	—	1028x1043x130	—
	Net weight/Gross weight		kg	—	3.5/5.0	—	—	7.0/11	—
Outdoor unit	Sound pressure level		dB(A)	56			57		
	Dimension (W×D×H)	Outline	mm	955x396x700			980x427x790		
		Package	mm	1029x458x750			1083x488x855		
	Net weight/Gross weight		kg	47/50			67/72		
Connection pipe	Outer diameter	Liquid	inch	φ1/4			φ3/8		
		Gas	inch	φ1/2			φ5/8		
	Max.distance	Height/Length	m	15/20			15/30		
Loading quantity	40'GP/40'HQ		—	93/95	95/105	89/97	76/89	64/71	70/86

58

LIGHT COMMERCIAL

Page 59

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
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	3.5	3.5	3.5
Indoor unit	Air flow volume(H/M/L)	CFM	824	883	883	1236	1095	1118
		m³/h	1400	1500	1500	2100	1860	1900
	ESP — Rated	Pa	37	—	—	37	—	—
	ESP — 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
	Dimension (WxDxH) — 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	—
	Dimension (WxDxH) — 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		
	Dimension (WxDxH) — Package	mm	1083x488x855			1158x493x1235		
	Net weight/Gross weight	kg	71/76			92/100		
Connection pipe	Outer diameter — Liquid	inch	φ3/8			φ3/8		
	Outer diameter — Gas	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		GUHD36NM3FO			GUHD42NK3FO		
	Indoor unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
			GFH36K3FI	GKH36K3FI	GTH36K3FI	GFH42K3FI	GKH42K3FI	GTH42K3FI
Capacity	Cooling	W	10000	10000	10000	11500	11000	11500
		Btu/h	34120	34120	34120	39238	37532	39238
	Heating	W	12000	12000	12000	13500	12500	13500
		Btu/h	40944	40944	40944	46062	42650	46062
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
Power supply		Ph/V/Hz	3Ph,380-415V,50Hz			1Ph,220-240V,50Hz		
Power input	Cooling	kW	3.12	33.12	3.12	4.00	3.90	3.90
	Heating	kW	3.32	3.32	3.32	3.90	3.80	3.70
Current input	Cooling	A	5.6	5.6	5.6	18.6	18.1	18.1
	Heating	A	5.8	5.8	5.8	18.1	17.6	17.2
Refrigerant charge volume		kg	3.5	3.5	3.5	3.7	3.7	3.7
Indoor unit	Air flow volume(H/M/L)	CFM	1236	1095	1118	1236	1095	1118
		m³/h	2100	1860	1900	2100	1860	1900
	ESP — Rated	Pa	37	—	—	37	—	—
	ESP — Range	Pa	0-150	—	—	0-150	—	—
	Sound pressure level (H/M/L)	dB(A)	53/52/48/44	51/49/46/43	54/53/51/46	53/52/48/44	51/49/46/43	55/54/52/47
	Dimension (WxDxH) — Outline	mm	1226x775x290	840x840x320	1420x700x245	1226x775x290	840x840x320	1420x700x245
	Dimension (WxDxH) — Package	mm	1338x877x305	963x963x409	1548x828x345	1338x877x305	963x963x409	1548x828x345
	Net weight/Gross weight	kg	46/53	31/38	48/56	46/53	31/38	50/58
Panel	Dimension (WxDxH) — Outline	mm	—	950x950x60	—	—	950x950x60	—
	Dimension (WxDxH) — Package	mm	—	1028x1043x130	—	—	1028x1043x130	—
	Net weight/Gross weight	kg	—	7.0/11	—	—	7.0/11	—
Outdoor unit	Sound pressure level	dB(A)	63			61		
	Dimension (WxDxH) — Outline	mm	1107x440x1100			958x412x1349		
	Dimension (WxDxH) — Package	mm	1158x493x1235			1043x453x1500		
	Net weight/Gross weight	kg	95/103			95/105		
Connection pipe	Outer diameter — Liquid	inch	φ3/8			φ3/8		
	Outer diameter — Gas	inch	φ5/8			φ5/8		
	Max.distance Height/Length	m	15/50			30/50		
Loading quantity	40'GP/40'HQ	–	45/60	43/50	45/56	52/58	45/48	43/47

Page 60

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
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
Indoor unit	Air flow volume(H/M/L)	CFM	1236	1095	1118	1412	1354	1354
		m³/h	2100	1860	1900	2400	2300	2300
	ESP — Rated	Pa	37	—	—	50	—	—
	ESP — 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
	Dimension (WxDxH) — Package	mm	1338x877x305	963x963x409	1548x828x345	1423x837x455	1023x993x375	1828x828x345
	Net weight/Gross weight	kg	46/53	31/38	50/58	56/65	43/50	59/68
Panel	Dimension (WxDxH) — Outline	mm	—	950x950x60	—	—	1040x1040x65	—
	Dimension (WxDxH) — Package	mm	—	1028x1043x130	—	—	1137x1137x140	—
	Net weight/Gross weight	kg	—	7.0/11	—	—	8.0/12	—
Outdoor unit	Sound pressure level	dB(A)	61			59		
	Dimension (WxDxH) — Outline	mm	958x412x1349			955x412x1349		
	Dimension (WxDxH) — Package	mm	1043x453x1500			1043x453x1500		
	Net weight/Gross weight	kg	98/108			105/115		
Connection pipe	Outer diameter — Liquid	inch	φ3/8			φ3/8		
	Outer diameter — Gas	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	38/48	43/50	43/47

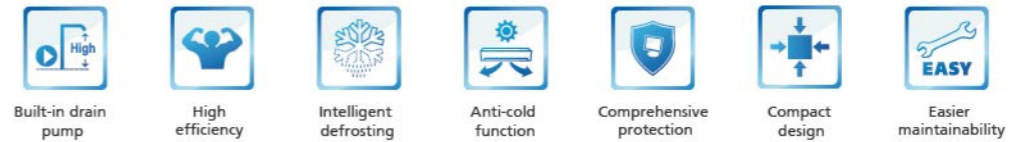| Model	Outdoor unit		GUHD48NM3FO			GUHD60NM3FO		
	Indoor unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
			GFH48K3FI	GKH48K3FI	GTH48K3FI	GFH60K3FI	GKH60K3FI	GTH60K3FI
Capacity	Cooling	W	14000	14000	14000	16000	16000	16000
		Btu/h	47768	47768	47768	54592	54592	54592
	Heating	W	15500	16000	16000	16500	17000	17000
		Btu/h	52886	54592	54592	56298	58004	58004
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
Power supply		Ph/V/Hz	3Ph, 380-415V,50Hz			3Ph, 380-415V,50Hz		
Power input	Cooling	kW	4.80	4.70	4.80	4.5.60	5.70	5.70
	Heating	kW	4.36	4.44	4.44	4.57	4.70	4.70
Current input	Cooling	A	8.4	8.2	8.4	9.8	10.0	10.0
	Heating	A	7.8	8.0	8.0	8.0	8.2	8.2
Refrigerant charge volume		kg	4.0	4.0	4.0	5.0	5.0	5.0
Indoor unit	Air flow volume(H/M/L)	CFM	1412	1354	1354	1766	1412	1471
		m³/h	2400	2300	2300	3000	2400	2500
	ESP — Rated	Pa	50	—	—	50	—	—
	ESP — Range	Pa	0-150	—	—	0-150	—	—
	Sound pressure level (H/M/L)	dB(A)	55/53/49/45	53/52/47/41	57/55/50/46	57/56/54/49	54/53/47/41	58/56/52/46
	Dimension (WxDxH) — Outline	mm	1340x750x350	910x910x290	1700x700x245	1340x750x350	910x910x290	1700x700x245
	Dimension (WxDxH) — Package	mm	1423x837x455	1023x993x375	1828x828x345	1423x837x455	1023x993x375	1828x828x345
	Net weight/Gross weight	kg	56/65	43/50	59/68	56/65	43/50	59/68
Panel	Dimension (WxDxH) — Outline	mm	—	1040x1040x65	—	—	1040x1040x65	—
	Dimension (WxDxH) — Package	mm	—	1137x1137x140	—	—	1137x1137x140	—
	Net weight/Gross weight	kg	—	8.0/12	—	—	8.0/12	—
Outdoor unit	Sound pressure level	dB(A)	59			59		
	Dimension (WxDxH) — Outline	mm	958x412x1349			1085x427x1365		
	Dimension (WxDxH) — Package	mm	1043x453x1500			1143x478x1505		
	Net weight/Gross weight	kg	110/120			122/134		
Connection pipe	Outer diameter — Liquid	inch	φ3/8			φ3/8		
	Outer diameter — Gas	inch	φ5/8			φ3/4		
	Max.distance Height/Length	m	30/50			30/50		
Loading quantity	40'GP/40'HQ	–	38/48	43/50	43/47	40/40	38/48	39/42

Light Commercial

U-Match

R410A

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.

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

- Double ambient temperature sensor design makes a precision temperature monitoring.

- With low ambitient temperature cooling function,cooling normally in -7°C.

- The outdoor unit is universal, can be matched with floor standing,cassette,duct type indoor unit.

CE

Indoor Unit

Duct type

- Fresh air inlet and air valve control function improve the indoor air quality.

- Flexible air in/outlet and condensing water outlet direction according to different installation requirements.

- Optimized air duct design improves the performance and lower the noise.

Cassette type

- Drain pump fitted as standard with increased lift of 1100mm.

- Special low noise fan design.

- Different swing angle design for cooling and heating mode for better comfort.

- All kinds of air freshener can be installed in the filter, such as catechin

Floor ceiling type

- 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		Indoor condition		Outdoor condition
	DB (℃)	WB (℃)	DB (℃)	WB (℃)	DB (℃)
Cooling	35	24	27	19	-7~43(with low ambient cooling) 18~43(without low ambient cooling)
Heating	7	6	20	15	-7~24

Units Lineup

Capacity Index (Btu/h)		9K	12K	18K	24K
Outdoor Unit			GUHN09NK3AO	GUHN12NK3AO	GUHN18NK3AO	GUHN24NK3AO
Indoor Unit	Duct	GFH09K3BI	GFH12K3BI	GFH18K3BI	GFH24K3BI
	Cassette	—	GKH12K3BI	GKH18K3BI	GKH24K3BI
	Floor Ceiling	GTH09K3BI	GTH12K3BI	GTH18K3BI	GTH24K3BI

Capacity Index (Btu/h)		30K	36K	42K	48K	60K
Outdoor Unit		GUHN30NK3A1O	GUHN36NK3AO GUHN36NM3AO	GUHN42NM3AO	GUHN48NM3A1O	GUHN60NM3AO
Indoor Unit	Duct	GFH30K3B1I	GFH36K3BI	GFH42K3BI	GFH48K3B1I	GFH60K3BI
	Cassette	GKH30K3B1I	GKH36K3BI	GKH42K3BI	GKH48K3B1I	GKH48K3BI
	Floor Ceiling	GTH30K3B1I	GTH36K3BI	GTH42K3BI	GTH48K3B1I	

Table 1 — GUHN09NK3AO / GUHN12NK3AO

Model	Outdoor Unit			GUHN09NK3AO		GUHN12NK3AO		
	Indoor Unit			Duct	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH09K3BI	GTH09K3BI	GFH12K3BI	GKH12K3BI	GTH12K3BI
Capacity	Cooling		W	2600	2600	3500	3500	3500
			Btu/h	8900	8900	11900	11900	11900
	Heating		W	2850	2850	3600	3600	3600
			Btu/h	9700	9700	12300	12300	12300
EER/COP			W/W	2.60/2.94	2.60/2.85	2.92/3.27	2.99/3.27	2.99/3.27
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		kW	1.00	1.00	1.20	1.17	1.17
	Heating		kW	0.97	1.00	1.10	1.10	1.10
Current Input	Cooling		A	4.4	4.3	5.4	5.4	5.4
	Heating		A	4.3	4.5	5.1	5.1	5.1
Refrigerant Charge Volume			kg	1.1	1.1	1	1	1
Indoor Unit	Air Flow Volume		m³/h	550/470/400	550/470/380	600/540/490	550/490/420	550/470/380
			CFM	324/276/235	324/277/224	353/318/288	324/288/247	324/277/224
	Sound Pressure Level(H/M/L)		dB(A)	37/36/34	47/44/41	40/38/36	47/45/43	47/44/41
	Dimension (WxDxH)	Outline	mm	913x680x220	836x695x238	913x680x220	600x600x230	836x695x238
		Package	mm	995x750x273	935x805x295	995x750x273	848x678x310	935x805x295
	Net Weight /Gross Weight		kg	24/29	25/32	25/30	20/27	26/33
Panel	Dimension (WxDxH)	Outline	mm	-	-	-	650x650x50	-
		Package	mm	-	-	-	670x730x102	-
	Net Weight /Gross Weight		kg	-	-	-	2.5/3.5	-
Outdoor Unit	Sound Pressure Level		dB(A)	55	55	56	56	56
	Dimension (WxDxH)	Outline	mm	820x320x540	820x320x540	820x320x540	820x320x540	820x320x540
		Package	mm	870x360x590	870x360x590	870x360x590	870x360x590	870x360x590
	Net Weight /Gross Weight		kg	32/37	32/37	32/37	32/37	32/37
Connection Pipe	Outer Diameter	Liquid	inch	φ1/4	φ1/4	φ1/4	φ1/4	φ1/4
		Gas	inch	φ3/8	φ3/8	φ1/2	φ1/2	φ1/2
	Max.distance	Height/Length	m	15/20	15/20	15/20	15/20	15/20
Loading Quantity	40'GP/40'HQ		—	123/160	116/143	123/160	113/144	116/143

Table 2 — GUHN30NK3AO / GUHN36NK3AO

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	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	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
			CFM	882/765/647	824/747/688	942/853/765	1176/1118/1059	976/924/882	1059/959/894
	Sound Pressure Level(H/M/L)		dB(A)	47/44/42	51/49/48	52/51/49	50/48/46	53/51/48	54/51/48
	Dimension (WxDxH)	Outline	mm	1270x530x268	840x840x240	1420x700x245	1226x775x290	840x840x320	1590x695x238
		Package	mm	1348x597x283	960x960x310	1545x825x330	1335x834x305	960x960x394	1714x830x330
	Net Weight /Gross Weight		kg	37/43	27/36	48/58	54/61	32/43	48/58
Panel	Dimension (WxDxH)	Outline	mm	-	950x950x60	-	-	950x950x60	-
		Package	mm	-	1025x1040x115	-	-	1025x1040x115	-
	Net Weight /Gross Weight		kg	-	6.5/10	-	-	6.5/10	-
Outdoor Unit	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
	Net Weight /Gross Weight		kg	70/75	70/75	70/75	90/100	90/100	90/100
Connection Pipe	Outer Diameter	Liquid	inch	φ3/8	φ3/8	φ3/8	φ1/2	φ1/2	φ1/2
		Gas	inch	φ5/8	φ5/8	φ5/8	φ3/4	φ3/4	φ3/4
	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

Table 3 — GUHN18NK3AO / GUHN24NK3AO

Model	Outdoor Unit			GUHN18NK3AO			GUHN24NK3AO		
	Indoor Unit			Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH18K3BI	GKH18K3BI	GTH18K3BI	GFH18K3BI	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
Indoor Unit	Air Flow Volume		m³/h	840/750/680	550/490/420	700/640/570	1600/1400/1200	1180/1080/1000	1170/1080/1000
			CFM	494/441/400	324/288/247	412/377/335	941/824/706	694/635/588	688/635/588
	Sound Pressure Level(H/M/L)		dB(A)	42/40/38	47/45/43	54/50/46	47/44/42	47/45/43	50/48/46
	Dimension (WxDxH)	Outline	mm	1012x736x266	600x600x230	836x695x238	1270x530x268	840x840x240	1300x600x188
		Package	mm	1120x736x323	848x678x310	935x805x295	1345x594x283	960x960x310	1414x724x248
	Net Weight /Gross Weight		kg	34/41	20/27	26/33	37/43	27/36	33/40
Panel	Dimension (WxDxH)	Outline	mm	-	650x650x50	-	-	950x950x60	-
		Package	mm	-	670x730x102	-	-	1025x1040x115	-
	Net Weight /Gross Weight		kg	-	2.5/3.5	-	-	6.5/10	-
Outdoor Unit	Sound Pressure Level		dB(A)	56	56	56	59	59	59
	Dimension (WxDxH)	Outline	mm	820x320x540	820x320x540	820x320x540	1018x412x695	1018x412x695	1018x412x695
		Package	mm	870x360x590	870x360x590	870x360x590	1100x450x755	1100x450x755	1100x450x755
	Net Weight /Gross Weight		kg	40/45	40/45	40/45	59/64	59/64	59/64
Connection Pipe	Outer Diameter	Liquid	inch	φ1/4	φ1/4	φ1/4	φ3/8	φ3/8	φ3/8
		Gas	inch	φ1/2	φ1/2	φ1/2	φ5/8	φ5/8	φ5/8
	Max.distance	Height/Length	m	15/20	15/20	15/20	15/30	15/30	15/30
Loading Quantity	40'GP/40'HQ		—	116/132	113/114	116/143	92/94	52/60	88/98

Table 4 — GUHN36NM3AO / GUHN42NM3AO

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	3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz	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	6.0	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	1800/1630/1520
			CFM	1176/1118/1059	976/924/882	1059/959/894	1176/1118/1059	976/924/882	1059/959/894
	Sound Pressure Level(H/M/L)		dB(A)	50/48/46	53/51/48	54/51/48	50/48/46	53/51/48	54/51/48
	Dimension (WxDxH)	Outline	mm	1226x775x290	840x840x320	1590x695x238	1226x775x290	840x840x320	1590x695x238
		Package	mm	1335x834x305	960x960x394	1714x830x330	1335x834x305	960x960x394	1714x830x330
	Net Weight /Gross Weight		kg	54/61	32/43	48/58	54/61	32/43	48/58
Panel	Dimension (WxDxH)	Outline	mm	-	950x950x60	-	-	950x950x60	-
		Package	mm	-	1025x1040x115	-	-	1025x1040x115	-
	Net Weight /Gross Weight		kg	-	6.5/10	-	-	6.5/10	-
Outdoor Unit	Sound Pressure Level		dB(A)	60	60	60	60	60	60
	Dimension (WxDxH)	Outline	mm	1018x412x840	1018x412x840	1018x412x840	1032x412x1250	1032x412x1250	1032x412x1250
		Package	mm	1100x450x985	1100x450x985	1100x450x985	1110x450x1385	1110x450x1385	1110x450x1385
	Net Weight /Gross Weight		kg	90/100	90/100	90/100	112/123	112/123	112/123
Connection Pipe	Outer Diameter	Liquid	inch	φ1/2	φ1/2	φ1/2	φ1/2	φ1/2	φ1/2
		Gas	inch	φ3/4	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	30/50
Loading Quantity	40'GP/40'HQ		—	64/70	44/53	55/58	45/49	42/48	44/49

LIGHT COMMERCIAL

U-Macth(Fixed Frequency Series)

Model				GUHN48NM3A1O			GUHN60NM3AO
	Outdoor unit			Duct	Cassette	Floor Ceiling	Duct
	Indoor unit			GFH48K3B1I	GKH48K381I	GTH48K3B1I	GFH60K3BI
Capacity	Cooling		W	13200	13200	13200	16000
			Btu/h	45040	45040	45040	54600
	Heating		W	14500	14500	14500	18500
			Btu/h	49470	49470	49470	63100
EER/COP			W/W	2.59/3.15	2.75//2.79	2.64/3.02	2.46/3.36
Power supply			Ph/V/Hz	3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz
Power input	Cooling		kW	5.10	4.80	5.0	6.50
	Heating		kW	4.60	5.20	4.8	5.50
Current input	Cooling		A	9.2	8.7	9.0	11.8
	Heating		A	8.3	9.5	8.7	10.0
Refrigerant charge volume			kg	3.8	3.8	3.8	5
Indoor unit	Air flow volume(H/M/L)		m³/h	2300/2110/1850	1660/1570/1500	2100/1900/1800	2500/2070/1730
			CFM	1354/1242/1089	977/924/883	1236/1118/1059	1471/1218/1018
	ESP	Rated	Pa	50	—	—	50
		Range	Pa	0-150	—	—	0-50
	Sound pressure level(H/M/L)		dB(A)	53/50/46	53/51/48	58/55/52	53/50/48
	Dimension (WxDxH)		mm	1226x775x290	840x840x320	1590x695x238	1226x815x330
		Package	mm	1338x837x305	963x963x409	1717x833x345	1338x885x345
	Net Weight /Gross Weight		kg	57/67	32/43	48/58	66/76
Panel	Dimension (WxDxH)	Outline	mm	—	950x950x60	—	—
		Package	mm	—	1028x1043x130	—	—
	Net weight/Gross weight		kg	—	6.5/10	—	—
Outdoor unit	Sound pressure level		dB(A)	63			64
	Dimension (WxDxH)	Outline	mm	1032×412×1250			1032×412×1250
		Package	mm	1113×453×1400			1113×453×1400
	Net weight /Gross weight		kg	112/123			123/134
Connection pipe	Outer diameter	Liquid	inch	φ1/2			φ1/2
		Gas	inch	φ3/4			φ3/4
	Max.distance	Height/Length	m	30/50			30/50
Loading quantity		40'GP/40'HQ	set	45/49	42/48	44/49	45/49