# GREE
## AIR CONDITIONER

2016 RAC EU T1 R410a/R32

# GREE

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GC-1509-01

Distributor information

## RAC
## EU
## T1 R410a/R32
2016

# The World's Biggest Public Companies

## The List

Filter list by :    All industries ▼    All countries ▼    All states ▼        Search by company name 🔍

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

Gree Products
are sold widely

in more than **200**
countries and regions.

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

مكيف غازي
مكيف الهواء
air conditioner
랭온풍기 エアコन एर कनिद्बानर
**空调 climatiseur**
acondicionador de aire
ar condicionado

**300,000,000** users

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

## No. 1
### air conditioner
### manufacturer

# ENJOY
## SMART AND
## COMFORTABLE LIFE

### New Generation WIFi Control *

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

With built-in WiFi module

130°
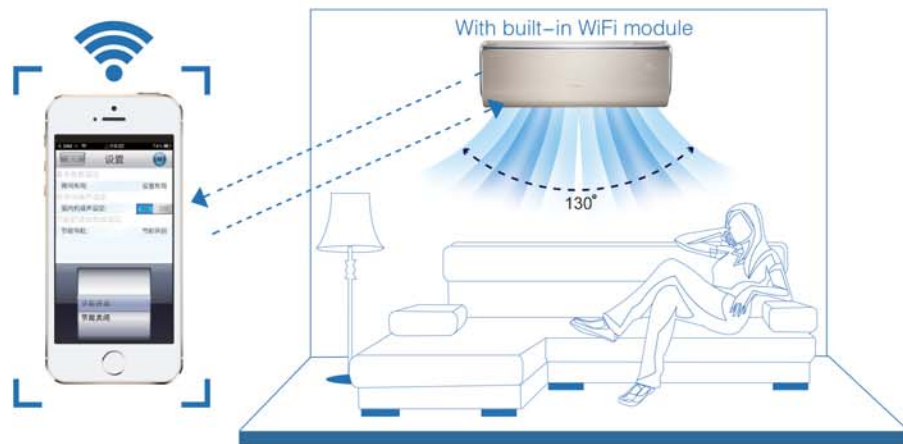
**Short distance mode:**
Smart Terminal can connect to the air conditioner directly for remote control, no need wireless Router, which is applicable for home short distance control.

Gree Cloud Platform

With built-in WiFi module

130°
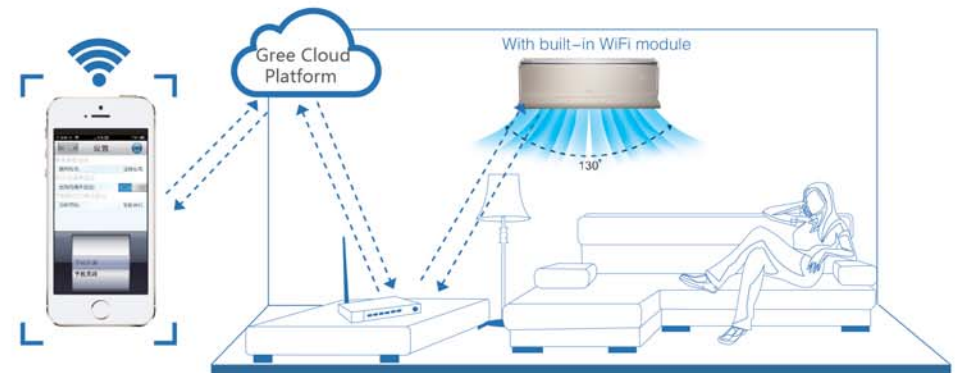
**Long distance mode:**
Users bind air conditioner, wireless Router and Gree Cloud Platform together. When the Smart Terminal is connected to internet, log on Gree Cloud Platform can remotely control the air conditioner at home, which is applicable for long distance control.

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

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

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



Both iOS and Android system can download this APP

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

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

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

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

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

## Regional Air Swing

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

### SAVE Navigation

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

### DIY Sleep Curve

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

### DIY Noise

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

### Weekly Timer

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

## "Turbo" Cooling

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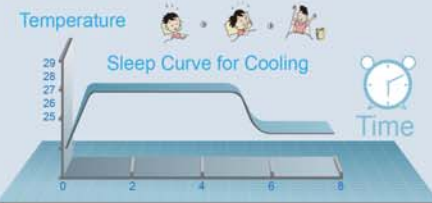
## 4-way Air Outlet

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

## 7 Fan Speeds

From super low to turbo, choose desired air flow.

## 3 Sleep Curves

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    Living is operating    Constant air cost is operating    Quiet sound lab    Unconfortable waste    Busy office

20dB    21dB    30dB    40dB    50dB
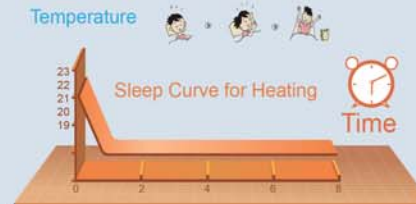
Noise lowers to 18dB, making you feel like staying on the Moon.

## Intelligent Defrosting

Defrosting    Defrosting         Defrosting    Defrosting

Heating    Heating    Heating         Heating    Heating

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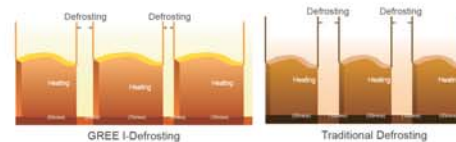
Maximize warm comfort with shorter defrosting time.
Traditional defrosting works by setting time. E.g. defrosting process is on for 10 mins for every 50mins.
Gree I-Defrosting is only performed when needed, which reduces energy waste by eliminating the unnecessary defrosting process.

## 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.

### ■ -22℃ 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

| Button | Description |
|--------|-------------|
| **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 |

## I Feel

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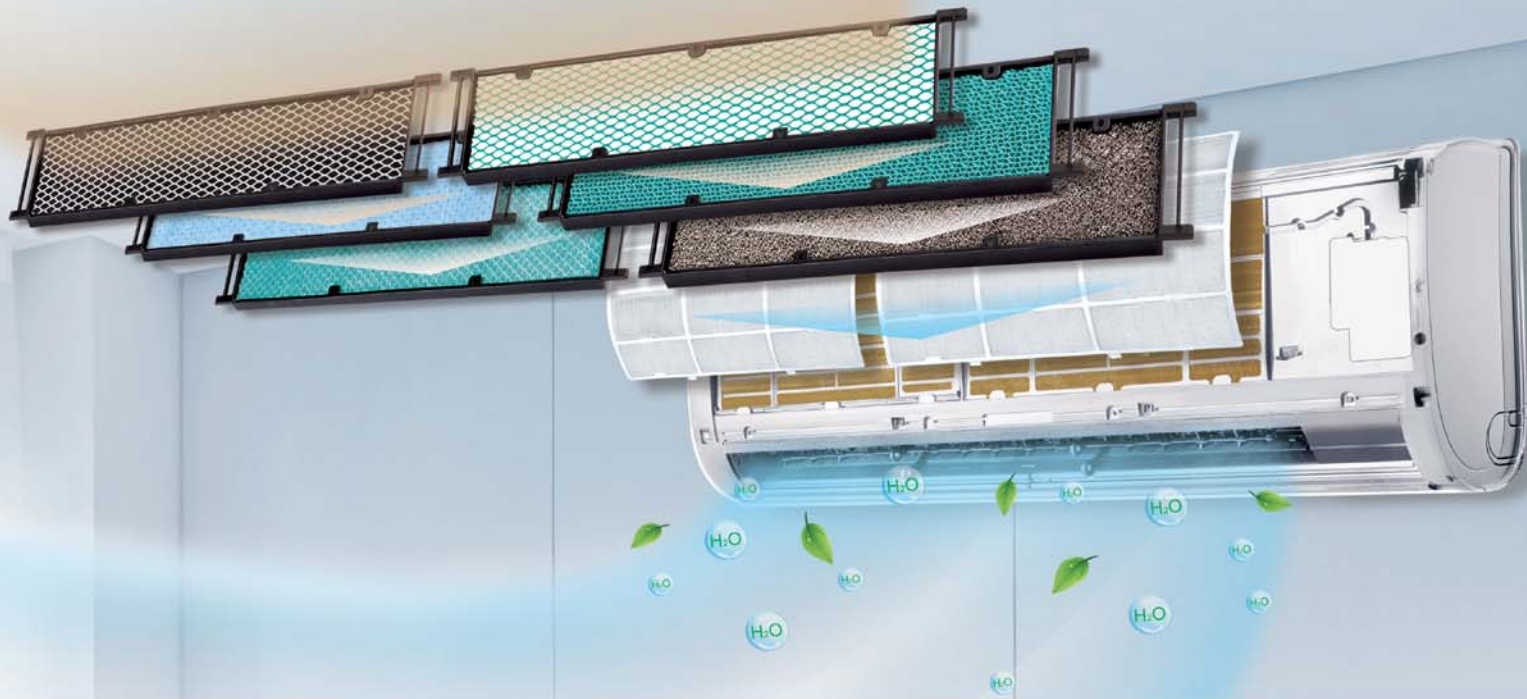
Remoter with I Feel

Remoter without I Feel

09/10

## 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
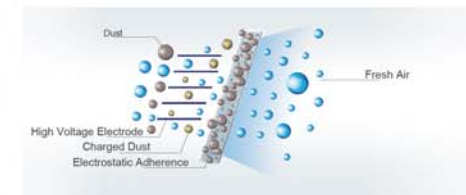
∗ Notes:Applicable to some selected models

# 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

Uncomfortable

0.1℃

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

R410A

INVERTER

# G¹⁰ Inverter

**Ultra low frequency torque control**
- Constant temperature
- Energy saving

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

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

**Hign-speed DSP chip**
- Accurate calulation
- Efficient operation

**Ultra-low noise control**
- Quiet
- Comfortable

**High reliability**
- Excellent quality
- Superior performance

**Wide frequency precise control**
- Unceasing operation
- Accurate control

**Computer simulation control**
- Less fluctuation
- Lower noise

**UHF flux-weakening control**
- Rapid cooling
- Rapid heating

**Power factor correction technology**
- Hign efficiency
- Better protection

Faster Cooling

0.1℃ Precise Temp Control

50% Energy Saving

R410A Eco-friendly Refrigerant

2-Stage compressor **VS** Traditional Compressor

## Refrigeration System

High efficiency and stable running compressor
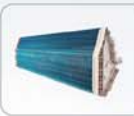
High efficiency and larger heat exchanger with optimized piping system

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
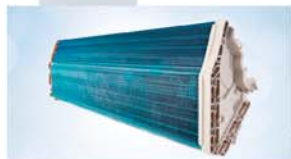
## Integrated Evaporator
Compact design minimizes IDU size but enhances heat exchange greatly.

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

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

## 170V Low Voltage Start Up
The unit could operate from 170V to 265V, which is suitable for unstable power supply areas.

## SMPS

1W
(SMPS model)

3W
(Normal model)

85V~265V
(SMPS model)

180V~260V
(Normal model)
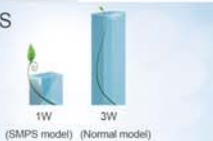
Better PCB protection between 85V-265V.

## Anti-corrosion ODU
Rust-free for installation and operation in the salty climate.

## 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.

## 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.

## Dual Side Installation
Left or right side water outlet, easy for installation.

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

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

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

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

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

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

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

R410A

R32

R290

R22

# Products Overview

## Left Table

| Series | 8500 | 9000 | 11000 | 12000 | 16000 | 18000 | 21000 | 22000 | 24000 | 28000 | 30000 | 36000 | 42000 | 48000 | 60000 | Page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Wall-mounted Type** | | | | | | | | | | | | | | | | |
| U-Crown | | ● | | ● | | ● | | | | | | | | | | 25 |
| Hansol | | ● | | ● | | ● | | | ● | | | | | | | 27 |
| (new) Amber | | ● | | ● | | ● | | | ● | | | | | | | 29 |
| Viola | | ● | | ● | | ● | | | ● | | | | | | | 31 |
| Lomo | | ● | | ● | | ● | | | ● | | | | | | | 33 |
| Cozy | | ● | | ● | | ● | | | ● | | | | | | | 35 |
| Change | | ● | | ● | | ● | | | ● | | | | | | | 37 |
| **Floor Standing** | 8500 | 9000 | 11000 | 12000 | 16000 | 18000 | 21000 | 22000 | 24000 | 28000 | 30000 | 36000 | 42000 | 48000 | 60000 | |
| Fresh wind | | | | | | | | | | | | | | ● | ● | 39 |
| I-Crown I | | | | | | | | | ● | | | | | | | 41 |
| (new) I-Crown II | | | | | | | | | ● | | | | | | | 43 |

| Series | 7000 | 8000 | 9000 | 10000 | 12000 | 14000 | Page |
|---|---|---|---|---|---|---|---|
| **Portable Type** | 7000 | 8000 | 9000 | 10000 | 12000 | 14000 | |
| (new) Shiny | ● | ● | ● | | ● | | 47 |
| Koobe | ● | ● | | | | | 48 |
| Cutee | | | ● | | | | 49 |
| Laffis | | | | ● | ● | | 50 |
| (new) Laffis A+ | | | | ● | | | 51 |
| **Window Type** | 7000 | 8000 | 9000 | 10000 | 12000 | 14000 | |
| Coolani Series (R32) | | | ● | | ● | | 53 |

## Right Table

| Series | 8 | 10 | 12 | 14 | 16 | 20 | 24 | 30 | 40 | Page |
|---|---|---|---|---|---|---|---|---|---|---|
| **Dehumidifier** | | | | | | | | | | |
| (new) Petal | | ● | ● | | | | | | | 55 |
| (new) Daisy | | | | | | ● | | | ● | 56 |
| Granduer | | | | | | ● | | ● | | 57 |
| Fancy | ● | ● | ● | | ● | | | | | 58 |
| Diamond | ● | ● | | | | | | | | 59 |
| Sunny | | ● | ● | | ● | ● | ● | ● | | 60 |
| Precise | | | | | | ● | ● | | | 61 |

| Series | 200 | 220 | 240 | 260 | 300 | Page |
|---|---|---|---|---|---|---|
| **Air purifier** | 200 | 220 | 240 | 260 | 300 | |
| Air purifier | | | | | ● | 62 |
| Aqua | | ● | ● | ● | | 63 |

| Series | 7000 | 9000 | 12000 | 14000 | 18000 | 24000 | 28000 | 30000 | 36000 | 42000 | 48000 | 53000 | 54000 | 60000 | Page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Light Commercial** | 7000 | 9000 | 12000 | 14000 | 18000 | 24000 | 28000 | 30000 | 36000 | 42000 | 48000 | 53000 | 54000 | 60000 | |
| Console | | ● | ● | | ● | | | | | | | | | | 64 |
| Free Match 4&4+ | ● | ● | ● | | ● | ● | ● | | ● | ● | | | | | 65 |
| Super Free Match | | | | | | | | | | | ● | ● | ● | ● | 71 |
| U-match | | | | ● | ● | ● | ● | | ● | | ● | | | ● | 78 |

Legend: ● = Standard, ○ = Optional

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

Features: ● Standard　○ Optional

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

Features: ● Standard　○ Optional

# U-CROWN

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

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

Wifi-Control

INVERTER

| Model | | | GWH09UB-K3DNA4F | GWH12UB-K3DNA4F | GWH18UC-K3DNA4F |
|---|---|---|---|---|---|
| Function | | | Cooling/Heating | Cooling/Heating | Cooling/Heating |
| Capacity | Cooling | Btu/h | 9000(1300~13600) | 12000(1300~15200) | 18000(3071~19619) |
| | Heating | Btu/h | 10200(1900~16400) | 12300(1900~18400) | 18000(2559~24737) |
| Pdesignh(A)Pdesignh(W)Pdesignh(C) | | Btu/h | 9200/9600/9200 | 10200/11000/10200 | 17742/18083/21154 |
| SEER/SCOP(A)/SCOP(W)SCOP(C) | | W/W | 7.5/4.6/5.1/3.8 | 7.0/4.6/5.1/3.8 | 6.1/4.0/4.0/3.1 |
| Energy ClassCool/Heat(A)/Heat(W)Heat(C) | | | A++/A++/A+++/A | A++/A++/A+++/A | A++/A+/A+/B |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | W | 600(95~1500) | 920(95~1550) | 1600(200~2050) |
| | Heating | W | 800(100~16300) | 970(100~1680) | 1420(200~2400) |
| Rated Current | Cooling | A | 6.5 | 6.8 | 9.1 |
| | Heating | A | 6.8 | 7.1 | 10.6 |
| Airflow Volume | Indoor | m³/h(SH/H/MH/M/ML/L/SL) | 650/530/470/400/350/300/290 | 720/550/490/420/370/320/290 | 850/750/650/600/500/400/340 |
| Indoor Unit | | | | | |
| Sound Power Level | Indoor | dB(A)(SH/H/MH/M/ML/L/SL) | 56/50/48/46/43/35/32 | 57/51/49/47/44/36/33 | 58/54/52/48/45/37/34 |
| Outline Dimension | WxHxD | mm | 860×305×170 | 860×305×170 | 960×320×205 |
| Package Dimension | WxHxD | mm | 935×388×295 | 935×388×295 | 1043x403x333 |
| Net Weight/Gross Weight | Indoor | kg | 11.5/14 | 11.5/14 | 14/17 |
| Outdoor Unit | | | | | |
| Sound Power Level | Outdoor | dB(A) | 62 | 62 | 63 |
| Piping Connection | Gas | mm | φ12 | φ12 | φ12 |
| | Liquid | mm | φ6 | φ6 | φ6 |
| Outline Dimension | WxHxD | mm | 899×596×378 | 899×596×378 | 955×700×396 |
| Package Dimension | WxHxD | mm | 948×645×420 | 948×645×420 | 1029x750x458 |
| Net Weight/Gross Weight | Outdoor | kg | 44.5/47.5 | 44.5/47.5 | 51/55.5 |
| | | | | | |
| Loading Quantity | 40'GP | sets | 165 | 165 | 123 |
| | 40'HQ | sets | 191 | 191 | 141 |

G10 Inverter

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

Features: ● Standard ● Optional

# Hansol Series

| Model | | | GWH09TA-S3DNA1D | GWH09TB-S3DNA1D | GWH12TB-S3DNA1D | GWH18TC-S3DNA1D | GWH24TD-S3DNA1D |
|---|---|---|---|---|---|---|---|
| Function | | | Cooling/Heating | Cooling/Heating | Cooling/Heating | Cooling/Heating | Cooling/Heating |
| Capacity | Cooling(pdc) | Btu/h | 8500(2000~10900) | 8900(2050~10900) | 12000(2000~13600) | 18084(3412~21496) | 24000(6483~30708) |
| | Heating | Btu/h | 10900(2050~13600) | 10200(2050~13600) | 13600(2000~17100) | 18425(3412~23202) | 24000(6483~30708) |
| Pdesignh(A)/Pdesignh(W)/Pdesignh(C) | | Btu/h | 9213/9213/13648 | 9600/9600/13600 | 12000/11200/17100 | 18420/18420/18420 | 24000/24000/24000 |
| SEER/SCOP(A)/SCOP(C)/SCOP(W)/SCOP(C) | | W/W | 7.6/4.7/5.6/3.7 | 8.5/5.1/6.1/4.0 | 8.0/4.7/5.6/3.7 | 6.4/4.0/5.1/3.2 | 6.2/4.0/4.6/2.9 |
| Energy Class Cool/Heat(A)/Heat(W)/SCOP(C) | | | A++/A++/A+++/A | A+++/A+++/A+++/A+ | A++/A++/A+++/A | A++/A+/A++/B | A++/A+/A++/B |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50/60Hz | 1Ph,220-240V,50/60Hz |
| Power Input | Cooling | W | 600(120~1300) | 600(120~1300) | 900(120~1400) | 1514(400~2450) | 1960(380~3200) |
| | Heating | W | 800 | 650 | 1000 | 1450 | 1960 |
| Rated Current | Cooling | A | 6.7 | 4.9 | 6.5 | 13.7 | 14.2 |
| | Heating | A | 7.7 | 7.1 | 8 | 14.0 | 14.2 |
| Airflow Volume | Indoor | m³/h(SH/H/MH/MM/L/SL) | 550/490/420/370/330/290/230 | 650/600/550/500/450/400/350 | 750/650/580/520/470/420/350 | 950/870/790/710/630/560/480 | 1200/1130/1060/990/920/850/780 |
| Indoor Unit | | | | | | | |
| Sound Power Level | Indoor | dB(A)(SH/H/MH/MM/L/SL) | 56/50/46/44/42/40/38 | 55/48/46/44/42/40/38 | 55/48/46/44/42/40/38 | 60/56/54/52/50/48/46 | 65/62/58/56/54/52/49 |
| Outline Dimension | WxHxD | mm | 816X292X209 | 866X292X209 | 866X292X209 | 1018X319X230 | 1178x326x264 |
| Package Dimension | WxHxD | mm | 888X297X377 | 945X297X377 | 945X297X377 | 1097X340X397 | 1256 x414x364 |
| Net Weight/Gross Weight | Indoor | kg | 10.5/12.5 | 11.0/13 | 11.0/13 | 14/17 | 17/21 |
| Outdoor Unit | | | | | | | |
| Sound Power Level | Outdoor | dB(A) | 62 | 63 | 63 | 65 | 58 |
| Piping Connection | Gas | mm | φ9.52 | φ9.52 | φ12 | φ16 | φ16 |
| | Liquid | mm | φ6 | φ6 | φ6 | φ6 | φ6 |
| Outline Dimension | WxHxD | mm | 848X540X320 | 899X596X378 | 899X596X378 | 955X700X396 | 980 x790x427 |
| Package Dimension | WxHxD | mm | 881X595X363 | 948X645X420 | 948X645X420 | 1029X750X458 | 1083 x488x855 |
| Net Weight/Gross Weight | Outdoor | kg | 36/38.5 | 43/46 | 43/46 | 47.5/52 | 65/70 |
| Loading Quantity | 40'GP | sets | 188 | 166 | 166 | 119 | 84 |
| | 40'HQ | sets | 218 | 186 | 186 | 135 | 104 |

## 7 Fan Speeds

Fresh air are provided for your maximum comfort.

## High Efficiency A+++



## Advanced Airflow Design

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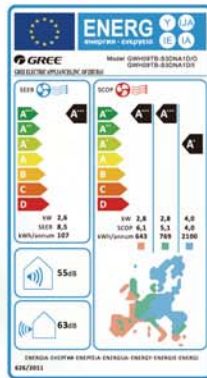Waterfall heating airflow

## Extra inner louver



Extra inner louver works when Cooling

Extra inner louver is concealed when Heating

G10 Inverter Optional

| G10 | AUTO | LED | | | 24:00 | 8°C | zZ | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | | | | Auto⁺ | | | | |
| 'Turbo' Button | Self-diagnosis | Auto Restart | Lock | I Feel | Overlong Distance Air Flow | Auto Clean | Mono&Multi Compatible | Electrostatic Dedusting | Healthy Filters | Cold Plasma |
| -15°C | 0.5W | | Wifi | -30°C | -22°C | | | | | |
| -15°C Cooling | 0.5 W Standby | Two-stage Compressor | Wifi Control | -30°C Heating | -22°C Heating | Wired Controller | | | | |

Features: ● Standard ● Optional

## For North Europe

| Model | | | GWH09TB-S3DNA3D* | GWH12TB-S3DBA3E* | GWH18TC-S3DBA3E* | GWH24TD-S3DBA3E* |
|---|---|---|---|---|---|---|
| Function | | | Cooling/Heating | Cooling/Heating | Cooling/Heating | Cooling/Heating |
| Capacity | Cooling(pdc) | Btu/h | 8900(2050~10900) | 12000(3900~13600) | 18000(3412~21496) | 24000(6824~29343) |
| | Heating | Btu/h | 10200(2050~13600) | 12500(6800~18100) | 18600(3412~23200) | 24000(6483~30708) |
| Pdesignh(A)/Pdesignh(W)/Pdesignh(C) | | Btu/h | 9000/9600/13600 | 12000/12600/17400 | 18424/18424/18424 | 24000/24000/24000 |
| SEER/SCOP(A)/SCOP(W)/SCOP(C) | | W/W | 8.5/5.1/6.1/4.0 | 7.8/4.6/5.6/3.2 | 6.5/4/4.6/3.3 | 6.2/4.0/4.6/3.3 |
| Energy Class Cool/Heat(A)/Heat(W)/SCOP(C) | | | A+++/A+++/A+++/A+ | A++/A++/A+++/B | A++/A++/A+++/B | A++/A+/A++/B |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50/60Hz | 1Ph,220-240V,50/60Hz |
| Power Input | Cooling | W | 600(120~1100) | 890(215~1300) | 1510(300~2450) | 2000(450~3200) |
| | Heating | W | 650(120~1600) | 900(390~1900) | 1465(300~2500) | 1890(380~3700) |
| Rated Current | Cooling | A | 4.9 | 6.0 | 12.63 | 16.4 |
| | Heating | A | 7.1 | 8.5 | 12.88 | 16.4 |
| Airflow Volume | Indoor | m³/h(SH/H/MH/MM/L/SL) | 650/600/550/500/450/400/350 | 740/670/610/530/460/410/380 | 950/870/790/710/630/560/480 | 1200/1130/1060/990/920/850/780 |
| Indoor Unit | | | | | | |
| Sound Power Level | Indoor | dB(A)(SH/H/MH/MM/L/SL) | 55/48/46/44/42/40/38 | 58/50/48/46/42/38/35 | 60/58/56/54/52/50/48 | 65/62/58/56/54/52/49 |
| Outline Dimension | WxHxD | mm | 866X292X209 | 866x292x209 | 1018X319X230 | 1178x326x249 |
| Package Dimension | WxHxD | mm | 945X297X377 | 945X297X377 | 1097X340X397 | 1256 x414x364 |
| Net Weight/Gross Weight | Indoor | kg | 11/13 | 11/13 | 14/17 | 17/21 |
| Outdoor Unit | | | | | | |
| Sound Power Level | Outdoor | dB(A) | 63 | 62 | 65 | 68 |
| Piping Connection | Gas | mm | φ9.52 | φ12 | φ12 | φ16 |
| | Liquid | mm | φ6 | φ6 | φ6 | φ6 |
| Outline Dimension | WxHxD | mm | 899X596X378 | 899x596x378 | 955X700X396 | 980 x790x427 |
| Package Dimension | WxHxD | mm | 948X645X420 | 948X645X420 | 1029X750X458 | 1083x855x488 |
| Net Weight/Gross Weight | Outdoor | kg | 43/46 | 45.5/48.5 | 51/55.5 | 65/70 |
| Loading Quantity | 40'GP | sets | 166 | 166 | 119 | 84 |
| | 40'HQ | sets | 186 | 186 | 135 | 104 |

Model with* is for different panel

# Amber Series

| Model | | | GWH09YB-K3DNA1B | GWH12YC-K3DNA1B | GWH18YD-K3DNA1B | GWH24YE-K3DNA1B |
|---|---|---|---|---|---|---|
| Function | | | Cooling/Heating | Cooling/Heating | Cooling/Heating | Cooling/Heating |
| Capacity | Cooling | Btu/h | 8900(1500~11000) | 12000(2050~13500) | 17500(4300~22500) | 22860(6800~28000) |
| | Heating | Btu/h | 9500(1500~14000) | 12500(2050~17500) | 18000(3800~23200) | 24800(6800~29000) |
| Pdesign(A)/Pdesignw/Pdesign(C) | | Btu/h | 8800/9500/13650 | 10200/13000/16400 | 13990/18080/21150 | 21800/24300/29700 |
| SEER/SCOP(A)/SCOP(W)SCOP(C) | | W/W | 6.1/4.0/4.6/2.8 | 6.1/4.0/5.1/3.2 | 6.1/4.0/5.1/3.1 | 6.1/4.0/5.1/2.8 |
| Energy Class Cool/Heat(A)/Heat(W)Heat(C) | | | A++/A+/A+++/B | A++/A+/A+++/B | A++/A+/A+++/B | A++/A+/A+++/C |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | W | 805(200~1420) | 1084(220~1550) | 1580(380~2450) | 1875(400~3700) |
| | Heating | W | 755(200~1550) | 989(220~1650) | 1410(350~2600) | 1945(450~3800) |
| Rated Current | Cooling | A | 6.2 | 6.8 | 10.9 | 16.42 |
| | Heating | A | 6.8 | 7.2 | 10.9 | 16.86 |
| Airflow Volume | Indoor | m³/h(SH/H/M/L) | 560/490/430/330 | 660/540/460/330 | 800/720/610/520 | 1150/1050/950/850 |
| **Indoor Unit** | | | | | | |
| Sound Power Level | Indoor | dB(A)(SH/H/M/L) | 40/37/33/27 | 43/40/34/28 | 46/42/39/36 | 48/45/42/39 |
| Outline Dimension | WxHxD | mm | 812x275x210 | 865x290x210 | 996x301x225 | 1101x249x327 |
| Package Dimension | WxHxD | mm | 875x360x280 | 931x379x281 | 1060x380x322 | 1167x405x354 |
| Net Weight/Gross Weight | Indoor | kg | 9/11 | 10/12 | 13.5/16.5 | 17/20.5 |
| **Outdoor Unit** | | | | | | |
| Sound Power Level | Outdoor | dB(A) | 52 | 53 | 56 | 60 |
| Piping Connection | Gas | mm | φ9.52 | φ9.52 | φ12 | φ16 |
| | Liquid | mm | φ6 | φ6 | φ6 | φ6 |
| Outline Dimension | WxHxD | mm | 720x428x310 | 776x540x320 | 899x596x378 | 955x700x396 |
| Package Dimension | WxHxD | mm | 768x490x353 | 823x595x358 | 948x645x420 | 1029x750x458 |
| Net Weight/Gross Weight | Outdoor | kg | 28/30 | 29/31.5 | 45/49.5 | 53/57.5 |
| | | | | | | |
| Loading Quantity | 40'GP | sets | 275 | 212 | 156 | 114 |
| | 40'HQ | sets | 308 | 245 | 180 | 131 |

## Human-body induction

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

## Wired controller

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

Intelligent Auto Restart · Comfortable Sleep Curves · Cold Air Prevention · LED Display · Timer · Intelligent Defrosting · Auto Clean · 'Turbo' Button · Self-diagnosis · Dehumidifying · Auto Restart

3D Airflow · Mono&Multi Compatible · Cold Plasma · I Feel · Energy Saving · 8°C Heating · 0.5 W Standby · -30°C Heating · -15°C Cooling · Wifi Control · Healthy Filters

Two-stage Compressor

Features: ● Standard ● Optional

G 29/30

# Viola Series

### Colorful Curve Design

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

### Integrated Design

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

| | | | GWH09RB-K3DNA3G | GWH12RB-K3DNA3G | GWH18RC-K3DNA3G | GWH24RD-K3DNA3G |
|---|---|---|---|---|---|---|
| Model | | | | | | |
| Function | | | Cooling/Heating | Cooling/Heating | Cooling/Heating | Cooling/Heating |
| Capacity | Cooling | Btu/h | 8900(2050~4900) | 12000(2000~13300) | 18000(4299~22519) | 22000(8632~23202) |
| | Heating | Btu/h | 10200(2700~12300) | 13600(3000~15000) | 19790(3821~23202) | 24000(8632~25931) |
| Pdesign(A)/Pdesignw/Pdesign(C) | | Btu/h | 9600/9600/13000 | 11000/10200/13600 | 15354/18083/21154 | 10800/20500/24600 |
| SEER/SCOP(A)/SCOP(W)/SCOP(C) | | W/W | 6.1/4.0/4.6/2.8 | 6.1/4.0/4.8/2.8 | 6.1/4.0/4.5/3.1 | 6.1/4.0/4.8/3.1 |
| Energy Class Cool/Heat(A)/Heat(W)Heat(C) | | | A++/A+/A++/C | A++/A+/A++/C | A++/A+/A+/B | A++/A+/A++/B |
| Power Supply | | Ph,V,Hz | 1Ph,220~240V,50Hz | 1Ph,220~240V,50Hz | 1Ph,220~240V,50Hz | 1Ph,220~240V,50Hz |
| Power Input | Cooling | W | 870(185~1300) | 1170(185~1400) | 1625(380~2650) | 2180(600~2650) |
| | Heating | W | 900(220~1400) | 1200(250~1550) | 1760(350~2650) | 2220(600~2800) |
| Rated Current | Cooling | A | 6 | 6.5 | 11.8 | 11.8 |
| | Heating | A | 6.5 | 7 | 11.8 | 12.4 |
| Airflow Volume | Indoor | m³/h(SH/H/M/L) | 600/500/400/300 | 600/500/400/300 | 850/780/650/550 | 1000/800/700/550 |
| Indoor Unit | | | | | | |
| Sound Power Level | Indoor | dB(A)(SH/H/M/L) | 54/50/45/40 | 54/51/46/42 | 58/53/50/45 | 63/57/52/49 |
| Outline Dimension | WxHxD | mm | 848×274×189 | 845×275×180 | 945×298×211 | 1018×315×237 |
| Package Dimension | WxHxD | mm | 926×371×267 | 926×371×267 | 1013×383×300 | 1086×398×328 |
| Net Weight/Gross Weight | Indoor | kg | 9/14 | 9/14 | 12/15 | 15/18.5 |
| Outdoor Unit | | | | | | |
| Sound Power Level | Outdoor | dB(A) | 63 | 63 | 63 | 68 |
| Piping Connection | Gas | mm | φ9.52 | φ9.52 | φ12 | φ16 |
| | Liquid | mm | φ6 | φ6 | φ6 | φ6 |
| Outline Dimension | WxHxD | mm | 776×540×320 | 776×540×320 | 955×700×396 | 980×790×427 |
| Package Dimension | WxHxD | mm | 851×595×363 | 881×595×363 | 1029×750×458 | 1083×855×488 |
| Net Weight/Gross Weight | Outdoor | kg | 28/31 | 29/32 | 45/49.5 | 55/60 |
| | | | | | | |
| Loading Quantity | 40'GP | sets | 216 | 211 | 127 | 95 |
| | 40'HQ | sets | 246 | 246 | 149 | 113 |

## For North Europe

INVERTER

| | | | GWH09RB-K3DBA3E | GWH12RB-K3DBA3E | GWH24RD-K3DBA3E |
|---|---|---|---|---|---|
| Model | | | | | |
| Function | | | Cooling/Heating | Cooling/Heating | Cooling/Heating |
| Capacity | Cooling(pdc) | Btu/h | 8900(2700~11000) | 12000(3100~13600) | 22000(7500~23900) |
| | Heating | Btu/h | 9400(3100~11600) | 12500(3100~14400) | 22000(7800~29000) |
| Pdesignh(A)/Pdesignh(W)/Pdesignh(C) | | Btu/h | 9200/10200/13000 | 12000/12600/16400 | 22000/22860/29000 |
| SEER/SCOP(A)/SCOP(W)/SCOP(C) | | W/W | 6.60/4.00/4.8/2.6 | 6.60/4.00/4.8/2.6 | 5.8/3.8/4.8/2.6 |
| Energy Class Cool/Heat(A)/Heat(W)/SCOP(C) | | | A++/A+/A++/D | A++/A+/A++/D | A+/A/A++/D |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | W | 640(100~1300) | 980(100~1450) | 1940 (450~3050) |
| | Heating | W | 650(150~1700) | 920(150~1700) | 1910 (400~4000) |
| Rated Current | Cooling | A | 5.7 | 6.3 | 13.1 |
| | Heating | A | 7.4 | 7.4 | 17.4 |
| Airflow Volume | Indoor | m³/h(SH/H/M/L) | 600/500/400/300 | 600/500/400/300 | 1000/800/700/600 |
| Indoor Unit | | | | | |
| Sound Power Level | Indoor | dB(A)(SH/H/M/L) | 41/34/30/23 | 42/35/31/26 | 50/45/39/36 |
| Outline Dimension | WxHxD | mm | 848×274×189 | 848×274×189 | 1018x315x233 |
| Package Dimension | WxHxD | mm | 926x371x267 | 926x371x267 | 1086x398x328 |
| Net Weight/Gross Weight | Indoor | kg | 10/12 | 10/12 | 14/17.5 |
| Outdoor Unit | | | | | |
| Sound Power Level | Outdoor | dB(A) | 49 | 50 | 58 |
| Piping Connection | Gas | mm | φ6 | φ6 | φ16 |
| | Liquid | mm | φ9.52 | φ9.52 | φ6 |
| Outline Dimension | WxHxD | mm | 848x540x320 | 899x596x378 | 980 x790x427 |
| Package Dimension | WxHxD | mm | 881x595x363 | 948X645X420 | 1083x855x488 |
| Net Weight/Gross Weight | Outdoor | kg | 36/38.5 | 43/46 | 63/68 |
| | | | | | |
| Loading Quantity | 40'GP | sets | 211 | 174 | 95 |
| | 40'HQ | sets | 246 | 198 | 113 |

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

Features: ● Standard ● Optional

G 31/32

# Lomo Series

**INVERTER**

| Model | | | GWH09QB-K3DNA1G | GWH12QC-K3DNA1G | GWH18QD-K3DNA1G | GWH24QE-K3DNA1G |
|---|---|---|---|---|---|---|
| Function | | | Cooling/Heating | Cooling/Heating | Cooling/Heating | Cooling/Heating |
| Capacity | Cooling | Btu/h | 9000(1500~11000) | 12000(2000~13500) | 17500(4299~22519) | 22900(6824~27978) |
| | Heating | Btu/h | 9600(1500~14000) | 12500(2000~17500) | 18000(3821~23202) | 24800(6824~29002) |
| Pdesignh(A)/Pdesignh(W)/Pdesignh(C) | | Btu/h | 9000/9600/9000 | 10200/13000/10200 | 14000/18100/21200 | 21800/24200/21800 |
| SEER/SCOP(A)/SCOP(W)/SCOP(C) | | W/W | 6.1/4.0/5.1/3.2 | 6.1/4.0/5.1/3.2 | 6.1/4.0/5.4/3.1 | 6.3/4.0/5.1/2.8 |
| Energy Class Cool/Heat(A)/Heat(W)/Heat(C) | | | A++/A+/A+++/B | A++/A+/A+++/B | A++/A+/A+++/B | A++/A+/A++/C |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | W | 805(200~1420) | 1084(220~1550) | 1580(380~2450) | 1875(400~3700) |
| | Heating | W | 755(200~1550) | 989(220~1550) | 1410(350~2600) | 1945(450~3800) |
| Rated Current | Cooling | A | 6.3 | 6.9 | 10.9 | 16.42 |
| | Heating | A | 6.9 | 7.3 | 11.5 | 16.86 |
| Airflow Volume | Indoor | m³/h | 560/490/430/330 | 660/540/460/330 | 800/720/610/520 | 1150/1050/950/850 |
| **Indoor Unit** | | | | | | |
| Sound Power Level | Indoor | dB(A)(SH/H/M/L) | 55/52/44/38 | 57/53/45/42 | 58/54/51/48 | 64/59/56/53 |
| Outline Dimension | WxHxD | mm | 790×275×200 | 845×289×209 | 970×300×224 | 1078×325×246 |
| Package Dimension | WxHxD | mm | 866×367×271 | 921×379×281 | 1041×383×320 | 1148×413×350 |
| Net Weight/Gross Weight | Indoor | kg | 9/11 | 10/12 | 13.5/16.5 | 17/20.5 |
| **Outdoor Unit** | | | | | | |
| Sound Power Level | Outdoor | dB(A) | 61 | 62 | 63 | 68 |
| Piping Connection | Gas | mm | φ9.52 | φ9.52 | φ12 | φ16 |
| | Liquid | mm | φ6 | φ6 | φ6 | φ6 |
| Outline Dimension | WxHxD | mm | 776×540×320 | 776×540×320 | 955×700×396 | 955×700×396 |
| Package Dimension | WxHxD | mm | 851×595×363 | 851×595×363 | 1029×750×458 | 1029×750×458 |
| Net Weight/Gross Weight | Outdoor | kg | 28/31 | 29/32 | 45/49.5 | 53/57.5 |
| | | | | | | |
| Loading Quantity | 40'GP | sets | 223 | 210 | 127 | 118 |
| | 40'HQ | sets | 256 | 244 | 146 | 131 |

## 0.5w Standby

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).

Intelligent Auto Restart | Comfortable Sleep Curves | Cold Air Prevention | LED Display | Timer | Intelligent Defrosting | Auto Clean | 'Turbo' Button | Self-diagnosis | Dehumidifying | Auto Restart

3D Airflow | Mono&Multi Compatible | Cold Plasma | I Feel | Energy Saving | 8°C Heating | 0.5 W Standby | -22°C Heating | -15°C Cooling | Wifi Control | Healthy Filters

Features: ● Standard ● Optional

# Cozy Series

| Model | | | GWH09MB-K3DNA3G | GWH12MB-K3DNA3G | GWH18MC-K3DNA3G | GWH24MD-K3DNA3G |
|---|---|---|---|---|---|---|
| Function | | | Cooling/Heating | Cooling/Heating | Cooling/Heating | Cooling/Heating |
| Capacity | Cooling | Btu/h | 9000(2050~10200) | 12000(2000~13300) | 18000(4299~22519) | 22000(8632~23202) |
| | Heating | Btu/h | 10200(2700~12300) | 13600(3000~15000) | 19800(3821~23200) | 24000(8632~25931) |
| Pdesignh(A)/Pdesignh(W)Pdesignh(C) | | Btu/h | 9600/9600/13000 | 11000/10200/13600 | 52544/61757/21154 | 19800/20500/24500 |
| SEER/SCOP(A)SCOP(W)/SCOP(C) | | W/W | 6.1/4.0/4.6/2.8 | 6.1/4.0/4.8/2.8 | A++/A+/A+/B | 6.1/4.0/4.8/3.1 |
| Energy Class Cool/Heat(A)Heat(W)Heat(C) | | | A++/A+/A++/C | A++/A+/A++/C | A++/A+/B | A++/A+/A++/B |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | W | 870(185~1300) | 1700(185~1400) | 1625(380~2650) | 2180(600~2650) |
| | Heating | W | 900(220~1400) | 1200(250~1550) | 1760(350~2650) | 2220(600~2800) |
| Rated Current | Cooling | A | 6 | 6.5 | 11.8 | 11.7 |
| | Heating | A | 6.5 | 7 | 11.8 | 12.4 |
| Airflow Volume | Indoor | m³/h(SH/H/M/L) | 600/500/400/300 | 600/500/400/300 | 850/780/650/550 | 1000/800/700/550 |
| **Indoor Unit** | | | | | | |
| Sound Power Level | Indoor | dB(A)(SH/H/M/L) | 54/50/45/40 | 54/51/46/42 | 58/53/50/45 | 63/57/52/49 |
| Outline Dimension | WxHxD | mm | 845×275×180 | 845×275×180 | 940×298×200 | 1008×315×232 |
| Package Dimension | WxHxD | mm | 918×370×258 | 918×370×258 | 1013×383×300 | 1076×398×328 |
| Net Weight/Gross Weight | Indoor | kg | 9/11 | 9/11 | 12/15 | 15/18.5 |
| **Outdoor Unit** | | | | | | |
| Sound Power Level | Outdoor | dB(A) | 63 | 63 | 63 | 68 |
| Piping Connection | Gas | mm | φ9.52 | φ9.52 | φ12 | φ16 |
| | Liquid | mm | φ6 | φ6 | φ6 | φ6 |
| Outline Dimension | WxHxD | mm | 776×540×320 | 776×540×320 | 955×700×396 | 980×427×790 |
| Package Dimension | WxHxD | mm | 851×595×363 | 851×595×363 | 1029×458×750 | 1083×488×855 |
| Net Weight/Gross Weight | Outdoor | kg | 28/31 | 29/32 | 45/49.5 | 55/60 |
| | | | | | | |
| Loading Quantity | 40'GP | sets | 215 | 215 | 127 | 91 |
| | 40'HQ | sets | 244 | 244 | 149 | 113 |

## Compact Design

▼ A sleek shape fits in your different indoor decorations.

## Comfortable energy-saving Mode

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

## G¹⁰ Inverter

| Dehumidifying | Energy Saving | LED Display | Intelligent Defrosting | 8°C Heating | Sleep Mode | Cold Air Prevention | Timer | 'Turbo' Button | Self-diagnosis | Auto Clean |
|---|---|---|---|---|---|---|---|---|---|---|

| Auto Restart | Mono&Multi Compatible | Healthy Filters | Cold Plasma | i Feel | 0.5 W Standby | -22°C Heating | -15°C Cooling |
|---|---|---|---|---|---|---|---|

Features: ● Standard ● Optional

# Change Series

| Model | | | GWH09KF-K3DNA6G | GWH09KF-K3DNA6G | GWH18KG-K3DNA6G | GWH24KG-K3DNA6G |
|---|---|---|---|---|---|---|
| Function | | | Cooling/Heating | Cooling/Heating | Cooling/Heating | Cooling/Heating |
| Capacity | Cooling | Btu/h | 9000(1500~11000) | 12000(2000~13500) | 18000(4094~21154) | 22000(8632~22349) |
| | Heating | Btu/h | 9600(1500~14000) | 13000(2000~17500) | 19000(3753~20472) | 23900(8632~25931) |
| Pdesignh(A)/Pdesignh(W)Pdesignh(C) | | Btu/h | 9000/9000/9000 | 9200/11000/9200 | 16377/17742/16377 | 19800/24600/19800 |
| SEER/SCOP(A)SCOP(W)/SCOP(C) | | W/W | 5.6/4.0/4.6/3.2 | 5.6/4.0/4.6/3.2 | 5.6/4.0/4.6/3.1 | 5.6/4.0/4.6/3.1 |
| Energy Class Cool/Heat(A)Heat(W)Heat(C) | | | A+/A+/A++/B | A+/A+/A++/B | A+/A+/A++/B | A+/A+/A++/B |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | W | 870(200~1420) | 1150(220~1550) | 1675(380~2650) | 2180(600~2650) |
| | Heating | W | 900(200~1550) | 1100(220~1650) | 1750(350~2650) | 2220(600~2800) |
| Rated Current | Cooling | A | 6.3 | 6.9 | 11.8 | 10.5 |
| | Heating | A | 6.9 | 7.3 | 11.8 | 12.5 |
| Airflow Volume | Indoor | m³/h(SHH/ML) | 600/520/370/280 | 680/560/410/300 | 800/680/560/460 | 1000/800/700/550 |
| **Indoor Unit** | | | | | | |
| Sound Power Level | Indoor | dB(A)(SHH/ML) | 55/52/44/38 | 56/53/45/39 | 60/55/51/44 | 63/57/53/46 |
| Outline Dimension | WxHxD | mm | 770×283×201 | 770×283×201 | 865×305×215 | 1009×319×221 |
| Package Dimension | WxHxD | mm | 847×281×345 | 847×345×276 | 948×383×310 | 1076×398×328 |
| Net Weight/Gross Weight | Indoor | kg | 8/9.5 | 9/10.5 | 12/15 | 14/17.5 |
| **Outdoor Unit** | | | | | | |
| Sound Power Level | Outdoor | dB(A) | 62 | 63 | 65 | 68 |
| Piping Connection | Gas | mm | φ9.52 | φ9.52 | φ12 | φ16 |
| | Liquid | mm | φ6 | φ6 | φ6 | φ6 |
| Outline Dimension | WxHxD | mm | 776×540×320 | 776×540×320 | 955×700×396 | 980×790×427 |
| Package Dimension | WxHxD | mm | 851×595×363 | 851×595×363 | 1029×750×458 | 1083×855×488 |
| Net Weight/Gross Weight | Outdoor | kg | 28/31 | 29/32 | 46/50.5 | 55.5/60.5 |
| | | | | | | |
| Loading Quantity | 40'GP | sets | 228 | 228 | 131 | 91 |
| | 40'HQ | sets | 258 | 258 | 149 | 113 |

## G10 Inverter Technology

50% energy saving
16Hz low frequency operation

## LED Display Design

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

G10 Inverter

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

Features:  Standard  Optional

# Fresh Wind Series

## 5 Environmental Modes

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

## "Turbo" Cooling& Heating

Large air flow
Rapid cooling & heating

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

| | | | |
|---|---|---|---|
| Auto Restart | Lock | Fresh Air Supply Ventilation | Auxiliary Heating |

Features: ● Standard ● Optional

## ON/OFF

| Model | | | GVA48AD-M3NNA9C | GVA60AH-M3NNA5A |
|---|---|---|---|---|
| Function | | | Cooling/Heating | Cooling/Heating |
| Capacity | Cooling | Btu/h | 41100 | 53000 |
| | Heating | Btu/h | 47800 | 64800 |
| EER/COP | | W/W | 2.41/2.81 | 2.51/2.91 |
| Power Supply | | Ph,V,Hz | 3Ph,380-415V,50Hz | 3Ph,380-415v,50Hz |
| Power Input | Cooling | W | 4980 | 6190 |
| | Heating | W | 4980 | 6530 |
| Rated Current | Cooling | A | 13 | 16.5 |
| | Heating | A | 13 | 15.2 |
| Airflow Volume | Indoor | m³/h(SH/H/M/L) | 1800/1500/1200/1000 | 2000/1700/1400/1100 |
| Indoor Unit | | | | |
| Sound Power Level | Indoor | dB(A)(SH/H/M/L) | 64/62/60/58 | 64/62/60/57 |
| Outline Dimension | WxHxD | mm | 581×1870X395 | 581X1870X395 |
| Package Dimension | WxHxD | mm | 738×2113×515 | 738x2083x545 |
| Net Weight/Gross Weight | Indoor | kg | 62/88 | 63/69 |
| Outdoor Unit | | | | |
| Sound Power Level | Outdoor | dB(A) | 69 | 73 |
| Piping Connection | Gas | mm | φ19 | φ19 |
| | Liquid | mm | φ12 | φ12 |
| Outline Dimension | WxHxD | mm | 1018×840×412 | 1032x1250x412 |
| Package Dimension | WxHxD | mm | 1103×1010×453 | 1113×1400×453 |
| Net Weight/Gross Weight | Outdoor | kg | 74/84 | 117/128 |
| Loading Quantity | 40'GP | sets | 41 | 34 |
| | 40'HQ | sets | 49 | 40 |

INVERTER

| Model | | | GVH48AH-M3DNA5A |
|---|---|---|---|
| Function | | | Cooling/Heating |
| Capacity | Cooling | Btu/h | 40900(10236~44356) |
| | Heating | Btu/h | 46400(11801~47768) |
| EER/COP | | W/W | 3.00/3.24 |
| Power Supply | | Ph,V,Hz | 3Ph,380-415V,50/60Hz |
| Power Input | Cooling | W | 4000(660~5400) |
| | Heating | W | 4200(700~4400) |
| Rated Current | Cooling | A | 9.5 |
| | Heating | A | 9.0 |
| Airflow Volume | Indoor | m³/h(SH/H/M/L) | 1850/1800/1700/1530 |
| Indoor Unit | | | |
| Sound Power Level | Indoor | dB(A)(SH/H/M/L) | 63/61/58/56 |
| Outline Dimension | WxHxD | mm | 581x1870x395 |
| Package Dimension | WxHxD | mm | 738x2083x545 |
| Net Weight/Gross Weight | Indoor | kg | 58/84 |
| Outdoor Unit | | | |
| Sound Power Level | Outdoor | dB(A) | 70 |
| Piping Connection | Gas | mm | φ16 |
| | Liquid | mm | φ9.52 |
| Outline Dimension | WxHxD | mm | 1018×412×1250 |
| Package Dimension | WxHxD | mm | 1113×453×1400 |
| Net Weight/Gross Weight | Outdoor | kg | 94/105 |
| Loading Quantity | 40'GP | sets | 34 |
| | 40'HQ | sets | 40 |

# I-Crown I

## Humanized Cold Air Prevention

Low ambient temperature heating of Gree I-Crown series

Low ambient temperature heating of conventional air con

## 5 kinds of Fan Speed

Designed with 5 kinds of fan mode

1 Silent
2 Low
3 Medium
4 High
5 Turbo

## Low Noise

Noise as low as 26dB(A)

Sound of leaves
During operation of Gree air con
During operation of conventional air con
Quiet room
Slight discomfort for noise-sensitive people
Office

20dB(A)  26dB(A)  30dB(A)  40dB(A)  50dB(A)

R410A

| Model | | | GVH24AK-S3DTC5A |
|---|---|---|---|
| Function | | | Cooling/Heating |
| Capacity | Cooling | Btu/h | 24600 |
| | Heating | Btu/h | 32400 |
| EER/C.O.P | | W/W | 3.41/3.06 |
| Power Supply | | Ph,V,Hz | 1Ph, 220-240v,50/60Hz |
| Power Input | Cooling | W | 2110 |
| | Heating | W | 3100 |
| Rated Current | Cooling | A | 14.2 |
| | Heating | A | 17.5 |
| Airflow Volume | Indoor | m³/h | 1200 |
| | | | |
| Sound Pressure Level | Indoor | dB(A)(SH/H/M/L) | 46/43/36/33 |
| Outline Dimension | WxHxD | mm | 509×1796×476 |
| Package Dimension | WxHxD | mm | 1973×573×615 |
| Net Weight/Gross Weight | Indoor | kg | 52/70 |
| Outdoor Unit | | | |
| Sound Pressure Level | Outdoor | dB(A) | 57 |
| Piping Connection | Gas | mm | φ16 |
| | Liquid | mm | φ6 |
| Outline Dimension | WxHxD | mm | 955×700×396 |
| Package Dimension | WxHxD | mm | 1083×855×488 |
| Net Weight/Gross Weight | Outdoor | kg | 63/68 |
| | | | |
| Loading Quantity | 40'GP | sets | 45 |
| | 40'HQ | sets | 56 |

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

## Wide Ambient Operation Range

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

Blue:
Low-pressure suction

Purple:
Medium-pressure inflation

Red:
High-pressure discharge

## Three-dimensional Fan Blow

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

# I-Crown II

## Humanized Cold Air Prevention

Low ambient temperature heating of Gree I-Crown series

Low ambient temperature heating of conventional air con

## 5 kinds of Fan Speed

Designed with 5 kinds of fan mode

1 Silent
2 Low
3 Medium
4 High
5 Turbo

## Low Noise

Noise as low as 26dB(A)

Sound of leaves
During operation of Gree air con
During operation of conventional air con
Quiet room
Slight discomfort for noise-sensitive people
Office

20 dB(A)  26 dB(A)  30 dB(A)  40 dB(A)  50 dB(A)

## Wide Ambient Operation Range

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

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

## Three-dimensional Fan Blow

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

10cm

| Model | | | | GVH24AK-K3DND5A |
|---|---|---|---|---|
| Function | | | | Cooling/Heating |
| Capacity | Cooling | | Btu/h | 24000(7300~30000) |
| | | | W | 7030(2150~8800) |
| | Heating | | Btu/h | 32400(5800~34800) |
| | | | W | 9500(1700~10200) |
| | Pdesignh(A)/Pdesignh(W)/Pdesignh(C) | | Btu/h | 24000/22200/24600 |
| | | | W | 6000/6500/7200 |
| SEER/SCOP(A)/SCOP(W)/SCOP(C) | | | W/W | 8.5/4.0/4.6/3.3 |
| Eenrgy Class Cool/Heat(A)/Heat(W)/Heat(C) | | | - | A+++/A+/A++/B |
| Power Supply | | | Ph,V,Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | | W | 2100(440~3200) |
| | Heating | | W | 3100(380~3900) |
| Rated Current | Cooling | | A | 14.2 |
| | Heating | | A | 14.2 |
| Airflow Volume | Indoor | | m³/h(SH/H/M/L/SL) | 320/290/260 |
| Indoor Unit | | | | |
| Sound Prower Level | Indoor | | dB(A)(SH/H/M/L/SL) | 46/43/36/33/28 |
| Outline Dimension | WxHxD | | mm | 1844X462X395 |
| Package Dimension | WxHxD | | mm | 2023X501X590 |
| Net Weight/Gross Weight | Indoor | | kg | 46/64 |
| Outdoor Unit | | | | |
| Sound Prower Level | Indoor | | dB(A)(SH/H/M/L/SL) | 46/43/36/33/28 |
| Piping Connection | Gas | | mm | φ16 |
| | Liquid | | mm | φ6 |
| Outline Dimension | WxHxD | | mm | 980x790x427 |
| Package Dimension | WxHxD | | mm | 1083x855x488 |
| Net Weight/Gross Weight | Outdoor | | kg | 46/64 |
| | | | | |
| Loading Quantity | 40'GP | | sets | 51 |
| | 40'HQ | | sets | 60 |

# Portable Accessory

# Shiny Series

## Low Noise
The noise is lower to 47dB(A)

## High Loading capacity
The loading capacity is up to 500/40HQ

## Wifi Control (Optional)

## Fire-Proof electric box

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

Dehumidifying | Timer | Sleep Mode | Auto Restart | Lock | Self-diagnosis | 0.5 W Standby | Automatic Operation | LED Display | Wide Swing | Wifi Control

Features: ● Standard ● Optional

| Model | | | GPC07AK-K3NNA1A | GPC08AK-K3NNA1A | *GPC09AK-K6NNA1A | GPC12AL-K3NNA1A | GPH12AL-K3NNA1A |
|---|---|---|---|---|---|---|---|
| Function | | | Cooling | Cooling | Cooling | Cooling | Cooling/Heating |
| Capacity | Cooling | Btu/h | 7000 | 8000 | 9000 | 12000 | 12000 |
| | | W | 2060 | 2350 | 2650 | 3550 | 3550 |
| | Heating | Btu/h | - | - | - | - | 12000 |
| | | W | - | - | - | - | 3520 |
| EER/COP | | W/W | 2.62/- | 2.62/- | 2.62/- | 2.62 | 2.62/2.6 |
| Energy Class | | | A | A | A | A | A/A+ |
| Power Supply | | Ph,V,Hz | 1Ph,230V,50Hz | 1Ph,230V,50Hz | 1Ph,230V,50Hz | 1Ph,230V,50Hz | 1Ph,230V,50Hz |
| Power Input | Cooling | W | 785 | 895 | 1010 | 1355 | 1355 |
| | Heating | W | - | 1350 | - | - | - |
| Rated Current | Cooling | A | 4.5 | 4.8 | 5.8 | 7.6 | 7.6 |
| | Heating | A | - | - | - | - | 7.2 |
| Airflow Volume | Indoor side | m³/h(H/M/L) | 320/290/260 | 320/290/280 | 330/300/270 | 350/320/290 | 350/320/290 |
| Sound Prower Level | Indoor side | dB(A)(H/M/L) | 51/49/47 | 51/49/47 | 52/50/48 | 52/50/48 | 52/50/48 |
| Outline Dimension | WxHxD | mm | 315×770×395 | 315×770×395 | 315×770×395 | 395×820×405 | 395×820×405 |
| Package Dimension | WxHxD | mm | 358×881×463 | 358×881×463 | 358×881×463 | 455×850×582 | 455×850×582 |
| Net Weight/Gross Weight | | kg | 24/28 | 24.5/28 | 26/30 | 38/43 | 38/43 |
| | | | | | | | |
| Loading Quantity | 40'GP | sets | 330 | 330 | 330 | 208 | 208 |
| | 40'HQ | sets | 494 | 494 | 494 | 312 | 312 |

# Koobe Series

## Portable Type

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

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

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

Features: ● Standard ● Optional

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

## Color Band Design

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

## 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.

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

Features: Standard Optional

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

Features: Standard Optional

| Model | | | GPC09AI-K3NNC6D |
|---|---|---|---|
| Function | | | Cooling |
| Capacity | Cooling | Btu/h | 9000 |
| | Heating | Btu/h | - |
| EER/COP | | W/W | 2.6 |
| Energy Class | | | A |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | W | 1010 |
| | Heating | W | - |
| Rated Current | Cooling | A | 6.44 |
| | Heating | A | - |
| Airflow Volume | Indoor side | m³/h(H/M/L) | 230/200/180 |
| Sound Prower Level | Indoor side | dB(A)(H/M/L) | 56/54/52 |
| Outline Dimension | WxHxD | mm | 340×780×394 |
| Package Dimension | WxHxD | mm | 400×815×550 |
| Net Weight/Gross Weight | | kg | 27/32.5 |
| Loading Quantity | 40'GP | sets | 244 |
| | 40'HQ | sets | 366 |

| Model | | | GPC12AJ-K3NNA1D12000 | GPH12AJ-K3NNA1D |
|---|---|---|---|---|
| Function | | | Cooling | Cooling/Heating |
| Capacity | Cooling | Btu/h | 12000 | 12000 |
| | Heating | Btu/h | - | 12000 |
| EER/COP | | W/W | 2.6 | 2.61/2.8 |
| Energy Class | | | A | A |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | W | 1350 | 1350 |
| | Heating | W | - | 1255 |
| Rated Current | Cooling | A | 6.90 | 6.90 |
| | Heating | A | - | - |
| Airflow Volume | Indoor side | m³/h(H/L/M) | 360/320/280 | 360/320/280 |
| Sound Prower Level | Indoor side | dB(A)(H/M/L) | 55/53/51 | 55/53/51 |
| Outline Dimension | WxHxD | mm | 375×775×442 | 375×775×442 |
| Package Dimension | WxHxD | mm | 437×885×555 | 437×885×555 |
| Net Weight/Gross Weight | | kg | 40/45 | 40/45 |
| Loading Quantity | 40'GP | sets | 222 | 222 |
| | 40'HQ | sets | 333 | 333 |

# Laffis A+

R32 Eco-friendly Refrigerant

High Efficiency A+

ENERG

Model GPC10AJ-K6NNA1D

GREE
GREE ELECTRIC APPLIANCE,INC. OF ZHUHAI

EER

A+++
A++
A+
A
B
C
D

A+

| 2.9 kW | 3.1 EER |
|--------|---------|
| 65 dB | 0.95 kWh/60min* |

ENERGIA · ЕНЕРГИЯ · ЕΝЕРГΕΙΑ · ENERGIJA · ENERGY · ENERGIE · ENERGI
*16kW/h pim. Авто
626/2011
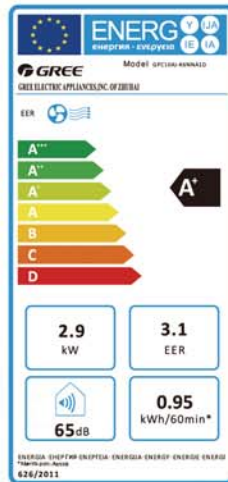
| Model | | | GPC10AJ-K6NNA1D |
|-------|---|---|------------------|
| Function | | | Cooling |
| Capacity | Cooling | Btu/h | 10000 |
| | Heating | Btu/h | - |
| EER/COP | | W/W | 3.1 |
| Energy Class | | | A+ |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | W | 945 |
| | Heating | W | - |
| Rated Current | Cooling | A | 5.5 |
| | Heating | A | - |
| Airflow Volume | Indoor side | m³/h | 360/330/300 |
| Sound Power Level | Indoor side | dB(A)(H/M/L) | 55/53/51 |
| Outline Dimension | WxHxD | mm | 375X775X442 |
| Package Dimension | WxHxD | mm | 437X875X555 |
| Net Weight/Gross Weight | | kg | 38/43 |
| | | | |
| Loading Quantity | 40'GP | sets | 222 |
| | 40'HQ | sets | 333 |

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

Features: ● Standard ● Optional

# Coolani Series (R32)

R32  INVERTER

| Model | | | GJC09AF-E6RNB3A | GJC12AG-E6RNB3A |
|---|---|---|---|---|
| Function | | | Cooling | Cooling |
| Capacity | Cooling | Btu/h | 9212 | 12454 |
| | Heating | Btu/h | - | - |
| SEER | | W/W | 5.2 | 5.4 |
| Energy Class Cool | | | A | A |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | W | 782 | 1030 |
| | Heating | W | - | - |
| Rated Current | Cooling | A | 5.5 | 6.5 |
| | Heating | A | - | - |
| Airflow Volume | Indoor | m³/h | 400/360/320 | 480/430/380 |
| Sound Power Level | Indoor | dB(A)(SH/H/M/L) | 50/48/46 | 50/48/46 |
| | Outdoor | dB(A)(SH/H/M/L) | 56/54/52 | 58/56/54 |
| Outline Dimension | WxHxD | mm | 560×375×710 | 660×428×700 |
| Package Dimension | WxHxD | mm | 806×623×425 | 793×739×505 |
| Net Weight/Gross Weight | Indoor | kg | 43/47 | 50/54 |
| | | | | |
| Loading Quantity | 40'GP | sets | 260 | 184 |
| | 40'HQ | sets | 312 | 230 |

R32 Eco-friendly Refrigerant

135V Low voltage Start up

3D Airflow  Comfortable Sleep Mode  Fresh Air Supply Ventilation  Cold Air Prevention  Timer  Self-diagnosis  Auto Restart  Automatic Operation  Auto Swing  Filter Dirty Alarm  Dehumidifying

Soft Start  Low voltage startup  Golden Fin

Features: ● Standard ● Optional

# Petal Series

Integrated handle design, concise and convenient

Concise control style makes the product modern-looking

Low noise is lower to 39db

High loading capacity
The loading capacity is up to 1649/40HQ

Wifi control (Optional)

Fire-Proof electric box

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

Water Level Display | Intelligent Defrosting | Auto Restart | Self-diagnosis | 0.5 W Standby | Water Overflow Protection | External Drain Connector | Consecutive Dehumidifying

Features: ● Standard ● Optional

| Model | | | GDN10AY-K4EBA1A | GDN12AY-K4EBA1A |
|---|---|---|---|---|
| Dehumidifying Volume 30℃,RH80% | | L/D | 10 | 12 |
| Power Supply | | Ph,V,Hz | 1Ph, 220-240V, 50Hz | 1Ph, 220-240V, 50Hz |
| Power Input | | W | 230 | 220 |
| Rated Current | | A | 2.1 | 2.1 |
| Airflow Volume | | m³/h | 90 | 80 |
| Sound Prower Level | | dB(A) | 39 | 39 |
| Water Tank Volume | | L | 1.5/1.8 | 1.5/1.8 |
| Outline Dimension | WxHxD | mm | 310×400×243 | 310×400×243 |
| Package Dimension | WxHxD | mm | 345X425X298 | 345X437X286 |
| Operation Mode | | | Electronic | Electronic |
| Net Weight/Gross Weight | | kg | 11.5/12.5 | 12/13 |
| | | | | |
| Loading Quantity | 40'GP | sets | 1375 | 1375 |
| | 40'HQ | sets | 1649 | 1649 |

# Daisy Series

Drive system of clothes drying and dehumidifier

Easily dehumidify, rapidly dry

Quiet system design

Bionic bud appearance

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

Turbo Boost Clothes drying System | Comfortable Dehumidifying System | Filter cleaning prompt | Quiet Mode | 6-layer Guard Shield | 24-hour Timer Function | Touch Screen Button | Dual-8 Humidity Display

Features: ● Standard ● Optional

| Model | | | GDN20AX-K4EBA1A | GDN20AV-K4EBA1A | GDN40AW-K3EBA1A | GDN20AT-K4EBA1A | GDN40AU-K3EBA1A |
|---|---|---|---|---|---|---|---|
| Dehumidifying Volume 30℃,RH80% | | L/D | 20 | 20 | 40 | 20 | 40 |
| Power Supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | | W | 345 | 345 | 570 | 345 | 570 |
| Rated Current | | A | 1.9 | 1.9 | 3.1 | 1.9 | 3.1 |
| Airflow Volume | | m³/h(H/M/L) | 130/115/105 | 130/115/105 | 230/195/170 | 130/115/105 | 230/195/170 |
| Sound Prower Level | | dB(A)(H/M/L) | 43/41/39 | 43/41/39 | 46/43/41 | 43/41/39 | 46/43/41 |
| Water Tank Volume | | L | 3.5/4 | 3.5/4 | 3.5/4 | 6.5/7 | 6.5/7 |
| Outline Dimension | WxHxD | mm | 345×575×210 | 363×577×245 | 396×625×286 | 367×582×246 | 390×628×286 |
| Package Dimension | WxHxD | mm | 430×620×295 | 431×607×314 | 451×653×341 | 431×620×314 | 464×670×351 |
| Operation Mode | | | Electronic | Electronic | Electronic | Electronic | Electronic |
| Net Weight/Gross Weight | | kg | 14/15.5 | 15/16.5 | 23/24.5 | 15/16.5 | 22/23.5 |
| | | | | | | | |
| Loading Quantity | 40'GP | sets | 642 | 603 | 519 | 603 | 501 |
| | 40'HQ | sets | 856 | 804 | 690 | 804 | 501 |

# Grandeur Series



## Water Overflow protection

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

## Comfort & humanity

Several new control mode: Sleeping mode Living space and basement

## Three kind of drainage

Emptying Manually/ Continuous drain/ External pump(Optional)

Water Overflow Protection | Humidity Display | Filter Cleaning Reminder | Timer | Self-diagnosis | Auto Restart | Lock

Features: ● Standard ● Optional

| Model | | | GDN20AR-K4EBA1A | GDN30AS-K4EBA1A |
|---|---|---|---|---|
| Model | | | | |
| Dehumidifying Volume | | L/D | 20(at 30℃/27.1℃) | 30(at 30℃/27.1℃) |
| Power Supply | | Ph,V,Hz | 1Ph,220V-240V,50Hz | 1Ph,220V-240V,50Hz |
| Power Input | | W | 300 | 500 |
| Rated Current | | A | 2.1 | 2.9 |
| Airflow Volume | | m³/h(H/M/L) | 155/130/110 | 275/224/199 |
| Sound Prower Level | | dB(A)(H/M/L) | 44/42/40 | 47/45/43 |
| Water Tank Volume | | L | 4.7L | 7L |
| Outline Dimension | WxHxD | mm | 355X495X280 | 380X610X285 |
| Package Dimension | WxHxD | mm | 399X528X325 | 438X650X332 |
| Operation Mode | | | Electronic | Electronic |
| Net Weight/Gross Weight | | kg | 15.5/17.5 | 19.5/22 |
| Loading Quantity | 40'GP | sets | 844 | 567 |
| | 40'HQ | sets | 1054 | 755 |

# Fancy Series

## Large Button Design

User-friendly for operation.

## Convenient Handle

Convenient controlment Flexible movement

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

Features: ● Standard ● Optional

| Model | | GDN08AJ-K4MBC1A | GDN10AJ-K4MBC1A | GDN12AJ-K4EBC1A | GDN16AJ-K4EBC1A |
|---|---|---|---|---|---|
| Dehumidifying Volume | L/D | 8 | 10 | 12 | 16 |
| Power Supply | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | W | 190 | 190 | 230 | 280 |
| Rated Current | A | 1.1 | 1.1 | 1.1 | 1.3 |
| Rated Current | A | 1.1 | 1.1 | 1.4 | 1.6 |
| Airflow Volume | m³/h | 100 | 100 | 100/80 | 115/100 |
| Sound Pressure Level | dB(A)(H/L) | 43 | 43 | 43/41 | 45/43 |
| Water Tank Volume | L | 3.0/3.5 | 3.0/3.5 | 3.0/3.5 | 3.0/3.5 |
| Outline Dimension (WxHxD) | mm | 353X496X225 | 353X496X225 | 353X496X225 | 353X496X225 |
| Package Dimension (WxHxD) | mm | 396X530X274 | 396X530X274 | 396X530X274 | 396X530X274 |
| Operation Mode | | Mechanic | Mechanic | electronic | electronic |
| Net Weight/Gross Weight | kg | 10.5/11.5 | 10.5/11.5 | 11/12 | 13.5/14.5 |
| Loading Quantity (40'GP) | sets | 1000 | 1000 | 1000 | 1000 |
| Loading Quantity (40'HQ) | sets | 1250 | 1250 | 1250 | 1250 |

# Diamond Series

# Sunny 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.

## Consecutive Drainage Function
Free of the hassle of pouring water away yourself.

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

**0.5 W Standby** | **External Drain Connector** | **Water Overflow Protection** | **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 | 240 | 240 |
| Rated Current | A | 1.1 | 1.1 |
| Rated Current | A | 1.25 | 1.25 |
| Airflow Volume | m³/h | 100 | 100 |
| Sound Pressure Level | dB(A)(H/L) | 43 | 43 |
| Water Tank Volume | L | 2.1/2.3 | 2.1/2.3 |
| Outline Dimension (WxHxD) | mm | 250×505×250 | 250×505×250 |
| Package Dimension (WxHxD) | mm | 290×525×295 | 290×525×295 |
| Operation Mode | | Mechanic | Mechanic |
| Net Weight/Gross Weight | kg | 10/12.5 | 10.5/12.5 |
| | | | |
| Loading Quantity (40'GP) | sets | 1280 | 1280 |
| Loading Quantity (40'HQ) | sets | 1598 | 1598 |

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

Features: ● Standard ● Optional

| Model | | GDN10AH-K4EBB2C | GDN12AH-K4EBB2C | GDN16AH-K4EBB2C | GDN20AH-K4EBB2C | GDN24AH-K4EBB2C | GDN30AH-K4EBB3G |
|---|---|---|---|---|---|---|---|
| Dehumidifying Volume | L/D | 10 | 12 | 16 | 20 | 24 | 30 |
| Power Supply | Ph,V,Hz | 1Ph,220-240v,50Hz | 1Ph,220-240v,50Hz | 1Ph,220-240v,50Hz | 1Ph,220-240v,50Hz | 1Ph,220-240v,50Hz | 1Ph,220-240v,50Hz |
| Power Input | W | 250 | 250 | 300 | 330 | 330 | 500 |
| Power Current | A | 1.2 | 1.2 | 1.4 | 1.5 | 1.5 | 2.5 |
| Rated Current | A | 1.4 | 1.4 | 1.8 | 2.0 | 2.1 | 2.9 |
| Airflow Volume | m³/h(H/M/L) | 150/120/100 | 150/120/100 | 180/160/140 | 180/160/140 | 180/160/140 | 300/250/220 |
| Sound Pressure Level | dB(A)(H/M/L) | 43/41/39 | 43/41/39 | 45/43/41 | 45/43/41 | 47/45/43 | 48/45/42 |
| Water Tank Volume | L | 4.0/4.6 | 4.0/4.6 | 4.0/4.6 | 4.0/4.6 | 4.0/4.6 | 7/8.3 |
| Outline Dimension (WxHxD) | mm | 343×525×262 | 343×525×262 | 343×525×262 | 343×525×262 | 343×525×262 | 383×611×298 |
| Package Dimension (WxHxD) | mm | 394×584×313 | 394×584×313 | 394×584×313 | 394×584×313 | 394×584×313 | 440×655×346 |
| Operation Mode | | electronic | electronic | electronic | electronic | electronic | electronic |
| Net Weight/Gross Weight | kg | 13/14.5 | 13/14.5 | 15.0/17.0 | 15.5/17.0 | 16.0/17.0 | 18/20 |
| | | | | | | | |
| Loading Quantity (40'GP) | sets | 871 | 871 | 871 | 871 | 871 | 525 |
| Loading Quantity (40'HQ) | sets | 872 | 872 | 872 | 872 | 872 | 700 |

# Precise Series

Dehumidifier

# 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.

### Dehumidifier Features

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

Features: ● Standard ● Optional

| Model | | GDN20AQ-K4EBA1B | GDN24AQ-E4EBA1A |
|---|---|---|---|
| Dehumidifying Volume | L/D | 20 | 24 |
| Power Supply | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | W | 280 | 280 |
| Rated Current | A | 1.60 | 1.30 |
| Airflow Volume | m³/h(H/M/L) | 160/140/120 | 185/165/145 |
| Sound Pressure Level | dB(A)(H/M/L) | 44/42/40 | 48/46/44 |
| Water Tank Volume | L | 3.6/4.2 | 3.6/4.2 |
| Outline Dimension (WxHxD) | mm | 351×492×260 | 351×492×260 |
| Package Dimension (WxHxD) | mm | 407×530×329 | 407×530×329 |
| Operation Mode | | electronic | electronic |
| Net Weight/Gross Weight | kg | 15/17 | 15/17 |
| | | | |
| Loading Quantity (40'GP) | sets | 812 | 812 |
| Loading Quantity (40'HQ) | sets | 1013 | 1013 |

### Air Purifier Features

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

Features: ● Standard ● Optional

| Model | | GCF300CKNA |
|---|---|---|
| Power Supply | | 1Ph,220-240V,50Hz |
| Function | | Filter type |
| Power Input | W | 64 |
| Rated Current | A | 0.28 |
| Airflow Volume | m³/h | 260 |
| Recommend Area | m² | 15 |
| Sound Pressure Level | T/H/L/M | 48/44/38/26 |
| CADR | m³/h | 53/48/38/28 |
| Humidifying Volume | m³/h | 160 |
| Outline Dimension (WxHxD) | mm | - |
| Package Dimension (WxHxD) | mm | 396×576×245 |
| Net Weight/Gross Weight | kg | 449/635×303 |
| | | |
| Loading Quantity (40'GP) | sets | 591 |
| Loading Quantity (40'HQ) | sets | 788 |

# 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.

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

Features: ● Standard ● Optional

| Model | | GCF220BBFNA | GCC240BKNA | GCS260BKNA |
|---|---|---|---|---|
| Power Supply | | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Function | | Filter+Electrostatic | Filter+Electrostatic | Filter+Electrostatic |
| Power Input | W | 55 | 58 | 58 |
| Rated Current | A | 0.24 | 0.25 | 0.25 |
| Airflow Volume | m³/h | 220/180/150/80 | 240/200/160/80 | 260/200/160/80 |
| Recommend Area | m² | 12-18 | 15-22 | 15-22 |
| Sound Pressure Level | dB(A)H/L/M | 48/44/38 | 48/42/35 | 48/42/32 |
| CADR | m³/h | 120 | 160 | 200 |
| Humidifying Volume | m³/h | 350 | 380 | 400 |
| Outline Dimension (WxHxD) | mm | 385×608×278 | 385×608×278 | 385×608×278 |
| Package Dimension (WxHxD) | mm | 433×679×318 | 433×679×318 | 433×679×318 |
| Net Weight/Gross Weight | kg | 11/13 | 11/13 | 11/13 |
| Loading Quantity (40'GP) | sets | 576 | 576 | 576 |
| Loading Quantity (40'HQ) | sets | 767 | 767 | 767 |

# Console Series

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

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

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

Features: ● Standard ● Optional

| Model | | | GEH09AA-K3DNA1C | GEH12AA-K3DNA1C | GEH18AA-K3DNA1C |
|---|---|---|---|---|---|
| Function | | | Cooling/Heating | Cooling/Heating | Cooling/Heating |
| Capacity | Cooling | Btu/h | 8871 | 12000 | 17742 |
| | Heating | Btu/h | 9383 | 12454 | 18766 |
| | Pdesignh | Btu/h | 9212 | 11942 | 17742 |
| SEER/SCOP(A) | | W/W | 6.5/4.0 | 6.3/4.0 | 5.8/3.8 |
| 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 | 700 | 1100 | 1650 |
| | Heating | W | 740 | 1000 | 1550 |
| Rated Current | Cooling | A | 5.3 | 6.2 | 10.9 |
| | Heating | A | 6.9 | 7.0 | 11.1 |
| Airflow Volume | Indoor | m³/h | 500 | 600 | 700 |
| **Indoor Unit** | | | | | |
| Sound Power Level | Indoor | dB(A)(SH/H/M/L) | 50/48/43/36 | 52/50/47/42 | 56/54/50/44 |
| Outline Dimension | WxHxD | mm | 700×600×215 | 700×600×215 | 700×600×215 |
| Package Dimension | WxHxD | mm | 788×697×283 | 788×697×283 | 788×697×283 |
| Net Weight/Gross Weight | Indoor | kg | 15/18 | 15/18 | 15/18 |
| **Outdoor Unit** | | | | | |
| Sound Power Level | Outdoor | dB(A) | 62 | 63 | 65 |
| Piping Connection | Gas | mm | φ9.52 | φ9.52 | φ12 |
| | Liquid | mm | φ6 | φ6 | φ6 |
| Outline Dimension | WxHxD | mm | 776×540×320 | 848×540×320 | 955×700×396 |
| Package Dimension | WxHxD | mm | 823×595×358 | 881×595×363 | 1029×750×458 |
| Net Weight/Gross Weight | Outdoor | kg | 32/34.5 | 34/36.5 | 45/49.5 |
| Loading Quantity | 40'GP | sets | 180 | 165 | 121 |
| | 40'HQ | sets | 201 | 190 | 133 |

INVERTER

# Free-match 4 & 4+

INVERTER R410A

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

**Features:**

Memory Function · Compact Design · Easier Maintainability · Turbo Function · Inner Groove Copper · High Efficiency · Intelligent Defrosting · Self-diagnosis · Low Voltage Startup · 24 Hour Timer · Child Lock

Comprehensive Protection · Wide Voltage Range · Wide Operation Range · Weekly Timer · Centralized Control · Long-distance Monitoring

Features: ● Standard ● Optional

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

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

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

## 8 combinations

GWHD(14)NK3DO

| One unit | Two units | |
|---|---|---|
| 7k | 7k+7k | 7k+9k |
| 9k | 7k+12k | 9k+9k |
| 12k | 9k+12k | - |

## 10 combinations

GWHD(18)NK3KO

| One unit | Two units | |
|---|---|---|
| 7k | 7k+7k | 7k+9k |
| 9k | 7k+12k | 7k+18k |
| 12k | 9k+9k | 9k+12k |
| - | 12k+12k | - |

## 18 combinations

GWHD(21)NK3KO

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

## 23 combinations

GWHD(24)NK3MO

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

## 40 combinations

GWHD(28)NK3KO

| Two units | | Three units | | Four units | |
|---|---|---|---|---|---|
| 7k+7k | 7k+9k | 7k+7k+7k | 7k+7k+9k | 7k+7k+7k+7k | 7k+7k+7k+9k |
| 7k+12k | 7k+18k | 7k+7k+12k | 7k+7k+18k | 7k+7k+7k+12k | 7k+7k+7k+18k |
| 9k+9k | 9k+12k | 7k+9k+9k | 7k+9k+12k | 7k+7k+9k+9k | 7k+7k+9k+9k |
| 9k+18k | 12k+12k | 7k+9k+18k | 7k+12k+12k | 7k+7k+9k+12k | 7k+7k+12k+12k |
| 12k+18k | 18k+18k | 7k+12k+18k | 9k+9k+9k | 7k+9k+9k+9k | 7k+9k+9k+12k |
| - | - | 9k+9k+12k | 9k+9k+18k | 7k+9k+12k+12k | 9k+9k+9k+9k |
| - | - | 9k+12k+12k | 9k+12k+18k | 9k+9k+9k+12k | 9k+9k+12k+12k |
| - | - | 12k+12k+12k | 12k+12k+18k | | |

## 97 combinations

GWHD(36)NK3BO

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

# 155 combinations



GWHD(42)NK3AO

| Two units | Three units | | | | Four units | | | | Five units | |
|---|---|---|---|---|---|---|---|---|---|---|
| 7k+18k | 7k+7k+7k | 7k+21k+21k | 12k+12k+12k | 7k+7k+7k+7k | 7k+7k+18k+24k | - | - | 7k+7k+7k+7k+9k | 7k+7k+9k+12k+12k |
| 7k+21k | 7k+7k+9k | 7k+21k+24k | 12k+12k+18k | 7k+7k+7k+9k | 7k+9k+9k+9k | - | 9k+9k+9k+9k | 7k+7k+7k+7k+9k | 7k+7k+9k+12k+18k |
| 7k+24k | 7k+7k+12k | 7k+24k+24k | 12k+12k+21k | 7k+7k+7k+12k | 7k+9k+9k+12k | - | 9k+9k+9k+12k | 7k+7k+7k+7k+12k | 7k+7k+9k+12k+21k |
| 9k+12k | 7k+7k+18k | 9k+9k+9 | 12k+12k+24k | 7k+7k+7k+18k | 7k+9k+9k+18k | 7k+12k+18k+21k | 9k+9k+9k+18k | 7k+7k+7k+7k+18k | 7k+7k+12k+12k+12k |
| 9k+18k | 7k+7k+21k | 9k+9k+12k | 12k+18k+18k | 7k+7k+7k+21k | 7k+9k+9k+21k | 7k+12k+18k+24k | 9k+9k+9k+21k | 7k+7k+7k+7k+21k | 7k+7k+12k+12k+18k |
| 9k+21k | 7k+7k+24k | 9k+9k+18k | 12k+18k+24k | 7k+7k+7k+24k | 7k+9k+12k+24k | 7k+12k+21k+21k | 9k+9k+9k+24k | 7k+7k+7k+9k+9k | 7k+9k+9k+9k+9k |
| 9k+24k | 7k+9k+9k | 9k+9k+21k | 12k+18k+24k | 7k+7k+9k+9k | 7k+9k+12k+12k | 7k+18k+18k+18k | 9k+9k+12k+12k | 7k+7k+7k+9k+9k | 7k+9k+9k+12k+12k |
| 12k+12k | 7k+9k+12k | 9k+9k+24k | 12k+21k+21k | 7k+7k+9k+9k | 9k+9k+12k+18k | - | 9k+9k+12k+18k | 7k+7k+7k+9k+12k | 7k+9k+9k+12k+18k |
| 12k+18k | 7k+9k+18k | 9k+12k+18k | 12k+21k+24k | 7k+7k+9k+12k | 7k+9k+12k+15k | - | 9k+9k+12k+24k | 7k+7k+7k+9k+21k | 7k+9k+9k+9k+21k |
| 12k+21k | 7k+9k+21k | 9k+12k+21k | 12k+24k+24k | 7k+7k+9k+18k | 7k+9k+12k+24k | - | 9k+9k+18k+24k | 7k+7k+7k+9k+24k | 7k+9k+9k+12k+18k |
| 12k+24k | 7k+9k+24k | 9k+9k+21k | 18k+18k+18k | 7k+7k+9k+21k | 7k+9k+18k+18k | - | 9k+12k+18k+18k | 7k+7k+7k+9k+24k | 7k+9k+9k+12k+18k |
| 18k+18k | 7k+12k+12k | 9k+12k+24k | 18k+18k+21k | 7k+7k+12k+12k | 7k+9k+18k+18k | 9k+12k+12k+12k | 7k+7k+7k+12k+12k | 7k+9k+12k+12k+18k |
| 18k+21k | 7k+12k+18k | 9k+18k+18k | 18k+18k+24k | 7k+7k+12k+18k | 7k+9k+18k+18k | 9k+12k+12k+18k | 7k+7k+7k+12k+12k | 7k+9k+12k+12k+12k |
| 18k+24k | 7k+12k+21k | 9k+18k+21k | 18k+21k+21k | 7k+7k+12k+18k | 7k+12k+12k+12k | 9k+12k+12k+21k | 7k+7k+7k+12k+21k | 9k+9k+9k+9k+9k |
| 21k+21k | 7k+12k+24k | 9k+18k+24k | - | 7k+7k+12k+21k | 7k+12k+12k+21k | 12k+12k+12k+12k | 7k+7k+9k+9k+9k | 9k+9k+9k+9k+12k |
| 21k+24k | 7k+18k+18k | 9k+21k+21k | - | 7k+7k+12k+24k | 7k+12k+12k+24k | 12k+12k+12k+18k | 7k+7k+9k+9k+12k | 9k+9k+9k+9k+18k |
| 24k+24k | 7k+18k+21k | 9k+21k+24k | - | 7k+7k+18k+18k | 7k+12k+12k+18k | - | 7k+7k+9k+9k+18k | 9k+9k+9k+12k+12k |
| - | 7k+18k+24k | 7k+24k+24k | - | 7k+7k+18k+21k | 7k+12k+12k+18k | 9k+9k+18k+21k | 9k+9k+12k+12k+12k |

## Outdoor Unit [Free match 4&4+]

| Model | | | GWHD(14)NK3DO | GWHD(18)NK3KO | GWHD(21)NK3KO | GWHD(24)NK3KO | GWHD(28)NK3KO | GWHD(36)NK3BO | GWHD(42)NK3AO |
|---|---|---|---|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 14000 | 18000 | 21000 | 24000 | 28000 | 35826 | 41285 |
| | Heating | Btu/h | 15000 | 18400 | 22000 | 29000 | 31800 | 37532 | 44400 |
| SEER | | W/W | 6.1 | 6.3 | 6.1 | 6.1 | 6.1 | 5.5 | 5.5 |
| Power supply | | Ph,V,Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Power Input | Cooling | kW | 1.2 | 1.45 | 1.91 | 2.18 | 2.54 | 3.5 | 3.59 |
| | Heating | kW | 1.18 | 1.45 | 1.73 | 2.28 | 2.49 | 3.75 | 3.54 |
| Refrigerant charge volume | | kg | 1.4 | 1.4 | 2.2 | 2.2 | 2.4 | 4.3 | 4.8 |
| Air Pressure Level | | m³/h | 2600 | 3200 | 3200 | 4000 | 4000 | 5200 | 5500 |
| Sound pressure level | | dB(A) | 55 | 56 | 56 | 58 | 58 | 57 | 54 |
| "Dimension (W×D×H)" | Outline | mm | 899X596X378 | 955X396X700 | 955X396X700 | 960×790×427 | 980×790×427 | 1088×440×1107 | 1088×440×1107 |
| | Package | mm | 948×645×420 | 1029×750×458 | 1029×750×458 | 1083×488×855 | 1083×488×855 | 1158×493×1235 | 1158×493×1235 |
| Net weight/Gross weight | | kg | 43/46 | 51/55.5 | 62/66.5 | 68/73 | 69/74 | 94/104 | 102/112 |
| Connecting pipe diameter | Gas | inch(mm) | 3/8(φ9.52) | 3/8(φ9.52) | 3/8(φ9.52) | 3/8(φ9.52) | 3/8(φ9.52) | 3/8(φ9.52) | 1/2(φ12) |
| | WxHxD | inch(mm) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) |
| Max. equivalent connection pipe length | | m | 20 | 20 | 60 | 60 | 70 | 70 | 80 |
| Maximum drive IDU NO. | | unit | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Loading quantity | 40'GP/40'HQ | sets | 204/272 | 171/171 | 171/171 | 96/144 | 96/144 | 48/96 | 48/96 |

## U-Crown [Free-match 4]



| Model | | | GWH09UB-K3DNA4F | GWH12UB-K3DNA4F | GWH18UC-K3DNA4F |
|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 9000 | 12000 | 18000 |
| | Heating | Btu/h | 10200 | 12300 | 18000 |
| Power supply | | Ph/V/Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Airflow Volume | | m³h(SH/H/M/L/SL) | 650/530/470/400/350/300/290 | 720/550/490/420/370/320/290 | 850/750/650/600/500/400/340 |
| | | CFM(SH/H/M/L/SL) | 389/353/324/294/265/235/206 | 424/324/288/247/218/188/171 | 500/440/383/353/294/235/200 |
| Sound Pressure Level (SH/H/MH/M/ML/L/SL) | | dB(A) | 56/50/48/46/43/35/32 | 57/51/49/47/44/36/33 | 46/42/40/36/33/25/22 |
| Connecting pipe | Gas | inch(mm) | 1/2 (φ12) | 1/2 (φ12) | 1/2 (φ12) |
| | Liquid | inch(mm) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) |
| Dimension(W×D×H) | Outline | mm | 860×305×170 | 860×305×170 | 960×320×205 |
| | Package | mm | 935×388×295 | 935×388×295 | 1043×403×333 |
| Net Weight /Gross Weight | | kg | 11.5/14 | 11.5/14 | 14/17 |
| Loading Quantity | 20'GP | set | 276 | 276 | 210 |
| | 40' GP/40' HQ | set | 566/674 | 566/674 | 439/499 |

## Hansol [Free match 4&4+]
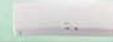


| Model | | | GWH07TB-S3DNA1D/I | GWH09TB-S3DNA1D/I | GWH12TB-S3DNA1D/I | GWH18TC-S3DNA1D/I | GWH24TD-S3DNA1D/I |
|---|---|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 7200 | 8530 | 12000 | 18084 | 23800 |
| | Heating | Btu/h | 8880 | 10920 | 13600 | 18425 | 24900 |
| Power supply | | Ph/V/Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz/60Hz | 1Ph,220-240V,50Hz |
| Airflow Volume | | m³/h(SH/H/M/L/SL) | 650/600/550/500/450/400/350 | 650/600/550/500/450/400/350 | 750 | 950/870/790/710/630/560/480 | 1200/1130/990/850 |
| | | CFM(SH/H/M/L/SL) | 383/353/324/294/265/235/206 | 383/353/324/294/265/235/206 | 441/383/341/306/277/247/206 | 559/512/465/418/371/330/282 | 706/665/583/500 |
| Sound Pressure Level dB (A) | (SH/H/M/L/SL) | | 38/36/32/30/29/28/26 | 43/36/34/32/30/28/26 | 43/36/34/32/30/28/26 | 46/44/42/40/38/36/34 | 51/50/46/44 |
| Connecting pipe | Gas | inch(mm) | 3/8 (φ9.52) | 3/8 (φ9.52) | 1/2 (φ12) | 5/8 (φ16) | 5/8 (φ16) |
| | Liquid | inch(mm) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) |
| Dimension(W×H×D) | Outline | mm | 866×292×209 | 866×292×209 | 866×292×209 | 1018×230×319 | 1178×326×264 |
| | Package | mm | 945×377×297 | 945×377×297 | 945×377×297 | 1097×340×397 | 1258×414×364 |
| Net Weight /Gross Weight | | kg | 10/12 | 11/12 | 11.0/13.0 | 14.0/17.0 | 17.0/21.0 |
| Loading Quantity | 20'GP | set | 276 | 276 | 276 | 174 | 132 |
| | 40' GP/40' HQ | set | 566/640 | 566/640 | 566/640 | 366/427 | 276/322 |

## Lomo [Free match 4&4+]



| Model | | | GWH07QB-K3DNA1G/I | GWH09QB-K3DNA1G/I | GWH12QC-K3DNA1G/I | GWH18QD-K3DNA1G/I | GWH24QE-K3DNA1G/I |
|---|---|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 7165 | 8880 | 12000 | 17500 | 23800 |
| | Heating | Btu/h | 8871 | 9550 | 12500 | 18000 | 24900 |
| Power supply | | Ph/V/Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Air flow volume | | m³/h(SH/H/M/L) | 550/490/460/330 | 560/490/430/330 | 660/540/460/330 | 800/720/610/520 | 1150/1050/950/800 |
| | | CFM(SH/H/M/L) | 324/288/247/194 | 324/288/247/194 | 388/318/271/194 | 471/424/359/306 | 677/618/559/500 |
| Sound pressure level | | dB(A)(SH/H/M/L) | 38/36/32/26 | 55/52/44/38 | 42/39/33/26 | 46/42/39/36 | 48/45/42/39 |
| Connecting pipe | Gas | inch(mm) | 3/8 (φ9.52) | 3/8 (φ9.52) | 3/8 (φ9.52) | 1/2 (φ12) | 5/8 (φ16) |
| | Liquid | inch(mm) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) |
| Dimension(W×H×D) | Outline | mm | 790×200×257 | 790×200×257 | 845×209×289 | 970×300×224 | 955×700×396 |
| | Package | mm | 866×271×367 | 866×271×367 | 921×281×379 | 1041×383×320 | 1029×750×458 |
| Net Weight/Gross weight | | kg | 9/11 | 9/11 | 10.0/12.0 | 13.5/16.5 | 17/20.5 |
| Loading quantity | 20'GP | sets | 334 | 334 | 294 | 229 | 172 |
| | 40'GP/40'HQ | sets | 692/804 | 692/804 | 600/674 | 489/557 | 336/392 |

## Cozy [Free match 4&4+]



| Model | | | GWH07MB-K3DNE3G/I | GWH09MB-K3DNE3G/I | GWH12MB-K3DNE3G/I | GWH18MC-K3DNE3G/I | GWH24MD-K3DNE3G/I |
|---|---|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 7200 | 8900 | 12000 | 18000 | 22000 |
| | Heating | Btu/h | 8880 | 10240 | 13600 | 19800 | 24000 |
| Power supply | | Ph/V/Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Airflow Volume | | m³h(SH/H/M/L) | 580/500/400/300 | 600/500/400/300 | 600/500/400/300 | 850 | 1000/800 |
| | | CFM(SH/H/M/L) | 341/294/235/177 | 353/294/235/177 | 353/294/235/177 | 500 | 588/471/412/324 |
| Sound pressure level | | dB(A)(SH/H/M/L) | 41/39/34/28 | 42/39/34/28 | 42/39/33/26 | 45/43/37/33 | 51/47/42/39 |
| Connecting pipe | Gas | inch(mm) | 3/8(φ9.52 ) | 3/8(φ9.52 ) | 3/8(φ9.52 ) | 1/2(φ12) | 5/8 (φ16) |
| | Liquid | inch(mm) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) |
| Dimension(W×H×D) | Outline | mm | 845×180×275 | 845×180×275 | 845x180x275 | 940×200×295 | 1007×315×219 |
| | Package | mm | 918×370×258 | 918×370×258 | 918×370×258 | 1013×383×300 | 1076×398×328 |
| Net Weight/Gross weight | | kg | 9/11 | 9/11 | 9/11 | 12.0/15.0 | 15/18.5 |
| Loading quantity | 20'GP | sets | 318 | 318 | 336 | 254 | 210 |
| | 40'GP/40'HQ | sets | 684×798 | 684×798 | 684/798 | 541/609 | 434/496 |

## Viola [Free match 4&4+]

| Model | | | GWH07RB-K3DNA5G/I | GWH09RB-K3DNA5G/I | GWH12RB-K3DNA5G/I | GWH18RC-K3DNA5G/I | GWH24RD-K3DNA5G/I |
|---|---|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 7200 | 8880 | 12000 | 18000 | 22000 |
| | Heating | Btu/h | 8880 | 10240 | 13600 | 19790 | 24000 |
| Power supply | | Ph/V/Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Air flow volume | | m³/h(SH/H/M/L) | 580/500/400/300 | 600/500/400/300 | 600/500/400/300 | 850 | 1000 |
| | | CFM (SH/H/M/L) | 341/294/235/177 | 353/294/235/177 | 353/294/253/117 | 500 | 588 |
| Sound Pressure Level | | dB(A)SH/H/M/L | 41/39/34/28 | 41/39/34/28 | 42/40/35/30 | 45/43/37/33 | 51/47/42/39 |
| Connecting pipe | Gas | inch(mm) | 3/8(φ9.52) | 3/8(φ9.52) | 3/8(φ9.52) | 1/2(φ12) | 5/8 (φ16) |
| | Liquid | inch(mm) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) |
| Dimension(W×H×D) | Outline | mm | 848x189x274 | 848x189x274 | 848x189x274 | 945x208x298 | 1018×233×315 |
| | Package | mm | 926x267x371 | 926x267x371 | 926x267x371 | 1013x383x300 | 1086×328×398 |
| Net Weight /Gross Weight | | kg | 9.0/11.0 | 9.0/11.0 | 9/11 | 12.0/15.0 | 15/18.5 |
| Loading Quantity | 20'GP | sets | 312 | 312 | 306 | 252 | 203 |
| | 40'HQ | sets | 643/749 | 643/749 | 643/749 | 541/609 | 427/488 |

## Change [Free match 4&4+]

| Model | | | GWH07KF-K3DNA6G/I | GWH09KF-K3DNA6G/I | GWH12KF-K3DNA6G/I | GWH18KG-K3DNA6G/I | GWH24KG-K3DNA6G/I |
|---|---|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 7200 | 8880 | 12000 | 18000 | 22007 |
| | Heating | Btu/h | 8880 | 9550 | 13000 | 19000 | 23884 |
| Power supply | | Ph/V/Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Air flow volume | | m³/h(SH/H/M/L) | 550 | 600 | 680 | 800 | 1000 |
| | | CFM(SH/H/M/L) | 324 | 353 | 400 | 471 | 588 |
| Sound pressure level | | dB(A)SH/H/M/L | 40/38/30/24 | 41/38/30/24 | 42/39/31/25 | 45/40/37/32 | 51/47/42/34 |
| Connecting pipe | Gas | inch(mm) | 3/8(φ9.52) | 3/8(φ9.52) | 3/8(φ9.52) | 1/2(φ12) | 5/8 (φ16) |
| | Liquid | inch(mm) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) |
| Dimension(W×H×D) | Outline | mm | 770x283x201 | 770x283x201 | 770x283x201 | 865x305x215 | 1007×315×219 |
| | Package | mm | 847x345x276 | 847x345x276 | 847x345x276 | 948x383x310 | 1076×398×328 |
| Net Weight /Gross Weight | | kg | 328 | 328 | 9.0/10.5 | 12.0/15.0 | 14/17 |
| Loading Quantity | 20'GP | sets | 335 | 335 | 335 | 264 | 210 |
| | 40'GP/40'HQ | sets | 700/786 | 700/786 | 700/786 | 542/616 | 434/496 |

## Duct Type Indoor Unit

| Model | | | GFH(09)EA-K3DNA1A/I | GFH(12)EA-K3DNA1A/I | GFH(18)EA-K3DNA1A/I | GFH(21)EA-K3DNA1A/I | GFH(24)EA-K3DNA1A/I |
|---|---|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 8530 | 11940 | 17060 | 20470 | 24230 |
| | Heating | Btu/h | 9550 | 13140 | 18770 | 22520 | 27300 |
| Power supply | | Ph/V/Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Air flow volume | | m³/h | 450 | 500 | 700 | 1000 | 1000 |
| | | CFM | 265 | 324 | 412 | 589 | 588.5 |
| Sound pressure level | | dB(A)(H/L) | 37/31 | 39/32 | 41/33 | 42/34 | 42/34 |
| Connecting pipe | Gas | inch(mm) | 3/8(φ9.52) | 3/8(φ9.52) | 1/2(φ12) | 5/8(Φ16) | 5/8(Φ16) |
| | Liquid | inch(mm) | 1/4 (φ6) | 1/4 (φ6) | 1/4 (φ6) | 3/8(φ9.52) | 3/8(φ9.52) |
| Dimension(W×D×H) | Outline | mm | 700×615×200 | 700×615×200 | 900×615×200 | 1100×615×200 | 1100×615×200 |
| | Package | mm | 893×743×305 | 893×743×305 | 1123×743×305 | 1323×743×305 | 1323×743×305 |
| Net Weight/Gross weight | | kg | 22/27 | 23/29 | 27/36 | 31/41 | 31/41 |
| Loading Quantity | 20'GP | sets | 108 | 108 | 90 | 72 | 72 |
| | 40' GP/40' HQ | sets | 234/234 | 234/234 | 180/180 | 162/162 | 162/162 |

## Cassette Type Indoor Unit

| Model | | | | GKH(12)BA-K3DNA2A/I | GKH(18)BA-K3DNA2A/I | GKH(24)BA-K3DNA1A/I |
|---|---|---|---|---|---|---|
| Capacity | Cooling | | Btu/h | 11942 | 15354 | 24225 |
| | Heating | | Btu/h | 13648 | 17060 | 27296 |
| Power supply | | | Ph/V/Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Air flow volume | | | m³/h | 680 | 600 | 1180 |
| | | | CFM | 400 | 353 | 694 |
| Sound pressure level | | | dB(A)H/L/M | 35/35/33 | 46/44/42 | 39/37/35 |
| | Gas | | inch(mm) | 3/8(φ9.52) | 1/2(φ12) | 5/8(φ16) |
| | Liquid | | inch(mm) | 1/4 (φ6 ) | 1/4 (φ6 ) | 3/8(φ9.52 ) |
| Main body | Dimention (W×D×H) | Outline | mm | 840×840×190 | 570×570×230 | 840×840×240 |
| | | Package | mm | 963×963×273 | 851×731×325 | 963×963×325 |
| | Net Weight/Gross weight | | kg | 25/33 | 18/23 | 28/35 |
| Panel | Dimention (W×D×H) | Outline | mm | 950×950×60 | 650×650×50 | 950×950×60 |
| | | Package | mm | 1043×1028×115 | 733×673×117 | 1043×1028×130 |
| | Net Weight/Gross weight | | kg | 6.5/10 | 2.5/3.5 | 6.5/10 |
| Loading quantity | 20'GP | | sets | 48 | - | 40 |
| | 40'GP/40'HQ | | sets | 128/144 | 209/246 | 108/128 |

## Floor Ceiling Type Indoor Unit

| Model | | | GTH(09)BA-K3DNA1A/I | GTH(12)BA-K3DNA1A/I | GTH(18)BA-K3DNA1A/I | GTH(24)BA-K3DNA1A/I |
|---|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 11942 | 11942 | 17060 | 24225 |
| | Heating | Btu/h | 13648 | 13136 | 18766 | 27296 |
| Power supply | | Ph/V/Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz | 1Ph,220-240V,50Hz |
| Airflow volume | | m³/h | 600 | 650 | 950 | 1250 |
| | | CFM | 383 | 382 | 559 | 736 |
| Sound pressure level (SH/H/MH/M/ML/L/SL) | | dB(A) | 46/42 | 40/36 | 45/40 | 48/44 |
| Connecting pipe | Gas | inch(mm) | 3/8(φ9.52) | 3/8(φ9.52) | 1/2(φ12) | 5/8(Φ16) |
| | Liquid | inch(mm) | 1/4 (φ6) | 1/4 (φ6 ) | 1/4 (φ6 ) | 3/8(φ9.52) |
| Dimension(W×H×D) | Outline | mm | 570×570×230 | 1220×700×225 | 1220×700×225 | 1220×700×225 |
| | Package | mm | 851×731×325 | 1343×823×315 | 1343×823×315 | 1343×823×315 |
| Net weight/Gross weight | | kg | 18/23 | 40/50 | 40/50 | 45/54 |
| Loading quantity | 20'GP | sets | 66 | 66 | 66 | 66 |
| | 40' GP/40' HQ | sets | 209/246 | 132/132 | 132/132 | 132/132 |

## Control system line up

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

Features: ● Standard  ○ Optional

# Super Free Match

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 | Timer |
|---|---|---|---|---|---|---|---|---|---|

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

- 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)

## 163 Combinations

GWHD(42S)NK3CO (2 to 6)

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

## 288 Combinations

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

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

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

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

## 288 Combinations

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

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

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

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

## 448 Combinations

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

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

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

## Outdoor Unit

| Model | Heat Pump | | GWHD(42S)NK3CO | GWHD(48S)NK3CO | GWHD(48S)NM3CO | GWHD(56S)NK3CO | GWHD(56S)NM3CO |
|---|---|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 42000 | 47800 | 47800 | 52900 | 54600 |
| | Heating | Btu/h | 42700 | 53000 | 54600 | 59700 | 61400 |
| Power supply | | Ph/V/Hz | 1/220~240/50 | 1/220~240/50 | 3/380~415/50 | 1/220~240/50 | 3/380~415/50 |
| Power input | Cooling | kW | 4.10 | 4.90 | 4.40 | 5.30 | 5.00 |
| | Heating | kW | 3.70 | 4.30 | 4.25 | 4.80 | 4.70 |
| Refrigerant charge volume | | kg | 4.95 | 4.95 | 4.95 | 4.95 | 4.95 |
| Air Pressure Level | | m³/h | 6400 | 6400 | 7000 | 7000 | 7000 |
| Sound pressure level | | dB(A) | 55 | 55 | 58 | 58 | 58 |
| Dimension(W×D×H) | Outline | mm | 900×340×1345 | 900×340×1345 | 900×340×1345 | 900×340×1345 | 900×340×1345 |
| | Package | mm | 993×453×1500 | 993×453×1500 | 993×453×1500 | 993×453×1500 | 993×453×1500 |
| Net weight/Gross weight | | kg | 116/125 | 116/125 | 116/125 | 116/125 | 116/125 |
| Connecting pipe diameter | Gas | inch(mm) | φ5/8(15.9) | φ5/8(15.9) | φ5/8(15.9) | φ5/8(15.9) | φ5/8(19.05) |
| | Liquid | inch(mm) | φ3/8(9.52) | φ3/8(9.52) | φ3/8(9.52) | φ3/8(9.52) | φ3/8(9.52) |
| Max. equivalent connection pipe length | | m | 115 | 135 | 135 | 145 | 145 |
| Maximum drive IDU NO. | | unit | 6 | 8 | 8 | 9 | 9 |
| Loading quantity | 40'GP/40'HQ | sets | 50/50 | 50/50 | 50/50 | 50/50 | 50/50 |

## Floor Ceiling Type Indoor Unit

| Model | | | GTH(09)BA-K3DNA1A/I | GTH(12)BA-K3DNA1A/I | GTH(18)BA-K3DNA1A/I | GTH(24)BA-K3DNA1A/I |
|---|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 8533 | 11946 | 17060 | 24225 |
| | Heating | Btu/h | 9556 | 13136 | 18766 | 27296 |
| Power supply | | Ph/V/Hz | 1/220~240/50 | 1/220~240/50 | 1/220~240/50 | 1/220~240/50 |
| Airflow volume | | m³/h | 650 | 650 | 950 | 1250 |
| | | CFM | 382.5 | 382.5 | 559 | 736 |
| Sound pressure level (SH/H/MH/M/ML/L/SL) | | dB(A) | 40/38/36 | 40/38/36 | 45/42/40 | 48/46/44 |
| Connecting pipe | Gas | inch(mm) | Φ3/8(9.52) | Φ3/8(9.52) | Φ1/2(12.7) | Φ5/8(15.9) |
| | Liquid | inch(mm) | Φ1/4(6.35) | Φ1/4(6.35) | Φ1/4(6.35) | Φ3/8(9.52) |
| Dimension(WxHxD) | Outline | mm | 1220×700×225 | 1220×700×225 | 1220×700×225 | 1220×700×225 |
| | Package | mm | 1343×823×315 | 1343×823×315 | 1343×823×315 | 1343×823×315 |
| Net weight/Gross weight | | kg | 40/50 | 40/50 | 40/50 | 45/54 |
| Loading quantity | 20'GP | sets | 66 | 66 | 66 | 66 |
| | 40' GP/40' HQ | sets | 132/132 | 132/132 | 132/132 | 132/132 |

## Console

| Model | | | GEH(09)AA-K3DNA1C/I | GEH(12)AA-K3DNA1C/I | GEH(18)AA-K3DNA1C/I |
|---|---|---|---|---|---|
| Capacity | Cooling | Btu/h | 8873 | 11942 | 18083 |
| | Heating | Btu/h | 9553 | 12969 | 19790 |
| Power supply | | Ph/V/Hz | 1/220~240/50 | 1/220~240/50 | 1/220~240/50 |
| Airflow volume | | m³/h | 500 | 600 | 650 |
| | | CFM | 294 | 353 | 383 |
| Sound pressure level (SH/H/MH/M/ML/L/SL) | | dB(A) | 40/38/36/33/30/27/25 | 42/40/38/37/35/32/27 | 48/46/44/41/37/35/32 |
| Connecting pipe | Gas | inch(mm) | Φ3/8(9.52) | Φ3/8(9.52) | Φ1/2(12.7) |
| | Liquid | inch(mm) | Φ1/4(6.35) | Φ1/4(6.35) | Φ1/4(6.35) |
| Dimension(WxHxD) | Outline | mm | 700×215×600 | 700×215×600 | 700×215×600 |
| | Package | mm | 788×283×697 | 788×283×697 | 788×283×697 |
| Net weight/Gross weight | | kg | 15/18 | 15/18 | 15/18 |
| Loading quantity | 20'GP | sets | 181 | 181 | 181 |
| | 40' GP/40' HQ | sets | 381/454 | 381/454 | 381/454 |

## Control System Lineup

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

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

# Light Commercial

## U-Match

### Inverter Series

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

R410A · INVERTER · A Energy Efficiency Class A

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

# Units Lineup

| Capacity Index (Btu/h) | | | 9K | 12K | 18K | 24K | 30K |
|---|---|---|---|---|---|---|---|
| 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 | — | GKH12K3FI | 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 | GFH36K3FI | GFH36K3FI | GFH42K3FI | GFH42K3FI | GFH48K3FI | GFH48K3FI | GFH60K3FI |
| Indoor Unit | Duct | Picture | SJ2PC020134 | | | | SJ2PC020135 | | |
| Indoor Unit | Cassette | Model | GKH36K3FI | GKH36K3FI | GKH42K3FI | GKH42K3FI | GKH48K3FI | GKH48K3FI | GKH60K3FI |
| Indoor Unit | Cassette | Picture | SJ2PC020137 | | | | SJ2PC020138 | | |
| Indoor Unit | Floor Ceiling | Model | GTH36K3FI | GTH36K3FI | GTH42K3FI | GTH42K3FI | GTH48K3FI | GTH48K3FI | GTH60K3FI |
| Indoor Unit | Floor Ceiling | Picture | SJ2PC020222 | | | | SJ2PC020142 | | |

# Drain Pump

| Capacity Index | 9000Btu | 12000Btu | 18000Btu | 24000Btu | 30000Btu | 38000Btu | 42000Btu | 48000Btu | 60000Btu |
|---|---|---|---|---|---|---|---|---|---|
| Duct Type | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Cassette | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Floor ceiling | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

Features: ● Standard  ● Optional  ○ Without

R410A  INVERTER  A Energy Efficiency Class A

| Model | Outdoor unit | | | GUHD09NK3FO | GUHD09NK3FO | GUHD12NK3FO | GUHD12NK3FO | GUHD12NK3FO | GUHD18NK3FO | GUHD18NK3FO |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Duct | Floor ceiling | Duct | Cassette | Floor ceiling | Duct | Cassette |
| | Indoor unit | | | GFH09K3FI | GTH09K3FI | GFH12K3FI | GKH12K3FI | GTH12K3FI | GFH18K3FI | GKH18K3FI |
| Capacity | Cooling | | W | 2700 | 2700 | 3500 | 3500 | 3500 | 5000 | 5000 |
| Capacity | Cooling | | Btu/h | 9212.4 | 9212.4 | 11942 | 11942 | 11942 | 17060 | 17060 |
| Capacity | Heating | | W | 2900 | 2900 | 3800 | 3800 | 3800 | 5600 | 5500 |
| Capacity | Heating | | Btu/h | 9894.8 | 9894.8 | 12965.6 | 12965.6 | 12965.6 | 19107.2 | 18766 |
| SEER/SCOP | | | W/W | 5.6/3.8 | 6.1/3.8 | 5.6/4.0 | 5.6/4.0 | 6.1/4.0 | 5.6/3.8 | 5.6/3.8 |
| EER / C.O.P | | | W/W | 3.21/3.61 | 3.21/3.61 | 3.00/3.61 | 3.21/3.61 | 3.21/3.61 | 3.23/3.61 | 3.12/3.48 |
| EER / C.O.P | | | Btu/h.W | 10.97/12.32 | 10.97/12.32 | 10.24/12.31 | 10.96/12.31 | 10.96/12.31 | 11.01/12.33 | 10.66/11.88 |
| Power supply | | | Ph/V/Hz | 220-240-50-1 | 220-240-50-1 | 220-240-50-1 | 220-240-50-1 | 220-240-50-1 | 220-240-50-1 | 220-240-50-1 |
| Power input | Cooling | | kW | 1.70 | 1.70 | 1.90 | 1.90 | 1.90 | 2.50 | 2.50 |
| Power input | Heating | | kW | 1.60 | 1.60 | 1.80 | 1.80 | 1.80 | 2.40 | 2.40 |
| Current input | Cooling | | A | 3.90 | 3.90 | 5.40 | 5.00 | 5.00 | 7.50 | 7.20 |
| Current input | Heating | | A | 3.70 | 3.70 | 4.90 | 4.90 | 4.90 | 7.40 | 7.60 |
| Refrigerant charge volume | | | kg | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.4 | 1.4 |
| Indoor unit | Sound pressure level (H/M/L) | | dB(A) | 34/28/26 | 29/26/24 | 36/34/28 | 45/41/36 | 33/30/27 | 39/36/28 | 46/44/37 |
| Indoor unit | Air flow volume(H/M/L) | | CFM | 382.525 | 353.1 | 441.375 | 411.95 | 411.95 | 588.5 | 447.26 |
| Indoor unit | Air flow volume(H/M/L) | | m³/h | 650 | 600 | 750 | 700 | 700 | 1000 | 760 |
| Indoor unit | ESP | Rated | Pa | 25 | 0 | 25 | 0 | 0 | 25 | 0 |
| Indoor unit | ESP | Range | Pa | 0-30 | 0 | 0-30 | 0 | 0 | 0-30 | 0 |
| Indoor unit | Dimension (W×D×H) | Outline | mm | 925×665×250 | 1220×700×225 | 1037×721×266 | 596×596×240 | 1220×700×225 | 1037×721×266 | 596×596×240 |
| Indoor unit | Dimension (W×D×H) | Package | mm | 1023×748×320 | 1343×823×315 | 1123×798×323 | 773×733×300 | 1343×823×315 | 1123×798×323 | 773×733×300 |
| Indoor unit | Net weight | | kg | 27.0 | 38.0 | 33.0 | 20.0 | 39.0 | 33.0 | 20.0 |
| Indoor unit | Gross weight | | kg | 32.0 | 47.0 | 38.0 | 24.0 | 48.0 | 38.0 | 24.0 |
| Panel | Dimension (W×D×H) | Outline | mm | —/— | —/— | —/— | 670×670×50 | —/— | —/— | 670×670×50 |
| Panel | Dimension (W×D×H) | Package | mm | —/— | —/— | —/— | 763×763×105 | —/— | —/— | 763×763×105 |
| Panel | Net weight | | kg | —/— | —/— | —/— | 3.5 | —/— | —/— | 3.5 |
| Panel | Gross weight | | kg | —/— | —/— | —/— | 5.0 | —/— | —/— | 5.0 |
| Outdoor unit | Sound pressure level | | dB(A) | 52/—/— | 52/—/— | 52/—/— | 52/—/— | 52/—/— | 56/—/— | 56/—/— |
| Outdoor unit | Dimension (W×D×H) | Outline | mm | 848×320×540 | 848×320×540 | 848×320×540 | 848×320×540 | 848×320×540 | 955×396×700 | 955×396×700 |
| Outdoor unit | Dimension (W×D×H) | Package | mm | 881X363X595 | 881X363X595 | 881X363X595 | 881X363X595 | 881X363X595 | 1029X458X750 | 1029X458X750 |
| Outdoor unit | Net weight | | kg | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 47.0 | 47.0 |
| Outdoor unit | Gross weight | | kg | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 50.0 | 50.0 |
| Connection pipe | Outer diameter | Liquid | inch(mm) | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Connection pipe | Outer diameter | Gas | inch(mm) | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 1/2 | 1/2 |
| Connection pipe | Max.distance | Height | m | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Connection pipe | Max.distance | Length | m | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Loading quantity | | | 40'GP | 126 | 96 | 114 | 127 | 96 | 93 | 95 |
| Loading quantity | | | 40'HQ | 141 | 112 | 131 | 138 | 112 | 95 | 105 |

| Model | Outdoor unit | | | GUHD18NK3FO | GUHD24NK3FO | GUHD24NK3FO | GUHD24NK3FO | GUHD30NK3FO | GUHD30NK3FO | GUHD30NK3FO |
|---|---|---|---|---|---|---|---|---|---|---|
| | Indoor unit | | | Floor ceiling | Duct | Cassette | Floor ceiling | Duct | Cassette | Floor ceiling |
| | | | | GTH18K3FI | GFH24K3FI | GKH24K3FI | GTH24K3FI | GFH30K3FI | GKH30K3FI | GTH30K3FI |
| Capacity | Cooling | | W | 5000 | 7000 | 7000 | 7000 | 8300 | 8300 | 8500 |
| | | | Btu/h | 17060 | 23884 | 23884 | 23884 | 28319.6 | 28319.6 | 29002 |
| | Heating | | W | 5600 | 8000 | 8000 | 8000 | 9200 | 9200 | 9200 |
| | | | Btu/h | 19107.2 | 27296 | 27296 | 27296 | 31390.4 | 31390.4 | 31390.4 |
| SEER/SCOP | | | W/W | 6.1/4.0 | 6.1/4.0 | 6.1/4.0 | 5.6/4.0 | 6.1/4.0 | 6.1/4.0 | 6.1/4.0 |
| EER / C.O.P | | | W/W | 3.23/3.61 | 3.21/3.62 | 3.21/3.62 | 3.21/3.62 | 3.11/3.58 | 3.11/3.58 | 3.18/3.58 |
| | | | Btu/h.W | 11.01/12.33 | 10.96/12.35 | 10.96/12.35 | 10.96/12.35 | 10.61/12.21 | 10.61/12.21 | 10.86/12.21 |
| Power supply | | | Ph/V/Hz | 220-240-50-1 | 220-240-50-1 | 220-240-50-1 | 220-240-50-1 | 220-240-50-1 | 220-240-50-1 | 220-240-50-1 |
| Power input | Cooling | | kW | 2.50 | 3.80 | 3.80 | 3.80 | 3.90 | 3.90 | 3.90 |
| | Heating | | kW | 2.40 | 4.00 | 4.00 | 4.00 | 4.10 | 4.10 | 4.10 |
| Current input | Cooling | | A | 7.20 | 10.10 | 10.10 | 10.10 | 12.40 | 12.40 | 12.40 |
| | Heating | | A | 7.20 | 10.20 | 10.20 | 10.20 | 12.00 | 12.00 | 12.00 |
| Refrigerant charge volume | | | kg | 1.4 | 2.2 | 2.2 | 2.2 | 2.4 | 2.4 | 2.4 |
| Indoor unit | Sound pressure level (H/M/L) | | dB(A) | 42/38/32 | 46/44/40 | 46/42/38 | 48/46/40 | 46/44/40 | 48/45/40 | 46/44/38 |
| | Air flow volume(H/M/L) | | CFM | 588.5 | 823.9 | 765.05 | 706.2 | 823.9 | 882.75 | 882.75 |
| | | | m³/h | 1000 | 1400 | 1300 | 1200 | 1400 | 1500 | 1500 |
| | ESP | Rated | Pa | 0 | 25 | 0 | 0 | 37 | 0 | 0 |
| | | Range | Pa | 0 | 0-75 | 0 | 0 | 0-75 | 0 | 0 |
| | Dimension (W×D×H) | Outline | mm | 1220×700×225 | 1279×558×268 | 840×840×240 | 1220×700×225 | 1279×558×268 | 840×840×320 | 1420×700×245 |
| | | Package | mm | 1343×823×315 | 1348×597×283 | 963×963×325 | 1343×823×315 | 1348×597×283 | 963×963×409 | 1548×828×345 |
| | Net weight | | kg | 39.0 | 34.0 | 26.0 | 40.0 | 34.0 | 31.0 | 48.0 |
| | Gross weight | | kg | 48.0 | 39.0 | 32.0 | 50.0 | 39.0 | 38.0 | 56.0 |
| Panel | Dimension (W×D×H) | Outline | mm | —/— | —/— | 950×950×60 | —/— | —/— | 950×950×60 | —/— |
| | | Package | mm | —/— | —/— | 1028×1043×130 | —/— | —/— | 1028×1043×130 | —/— |
| | Net weight | | kg | —/— | —/— | 7 | —/— | —/— | 7 | —/— |
| | Gross weight | | kg | —/— | —/— | 11 | —/— | —/— | 11 | —/— |
| Outdoor unit | Sound pressure level | | dB(A) | 56/—/— | 57/—/— | 57/—/— | 57/—/— | 58/—/— | 58/—/— | 58/—/— |
| | Dimension (W×D×H) | Outline | mm | 955×396×700 | 980×427×790 | 980×427×790 | 980×427×790 | 980×427×790 | 980×427×790 | 980×427×790 |
| | | Package | mm | 1029X458X750 | 1083X488X855 | 1083X488X855 | 1083X488X855 | 1083X488X855 | 1083X488X855 | 1083X488X855 |
| | Net weight | | kg | 47.0 | 67.0 | 67.0 | 67.0 | 71.0 | 71.0 | 71.0 |
| | Gross weight | | kg | 50.0 | 72.0 | 72.0 | 72.0 | 76.0 | 76.0 | 76.0 |
| Connection pipe | Outer diameter | Liquid | inch(mm) | 1/4 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| | | Gas | inch(mm) | 1/2 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 |
| | Max.distance | Height | m | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| | | Length | m | 20 | 30 | 30 | 30 | 30 | 30 | 30 |
| Loading quantity | | | 40'GP | 89 | 76 | 64 | 70 | 76 | 49 | 57 |
| | | | 40'HQ | 97 | 89 | 71 | 86 | 89 | 69 | 67 |

| Model | Outdoor unit | | | GUHD36NK3FO | GUHD36NK3FO | GUHD36NK3FO | GUHD36NM3FO | GUHD36NM3FO | GUHD36NM3FO | GUHD42NK3FO |
|---|---|---|---|---|---|---|---|---|---|---|
| | Indoor unit | | | Duct | Cassette | Floor ceiling | Duct | Cassette | Floor ceiling | Duct |
| | | | | GFH36K3FI | GKH36K3FI | GTH36K3FI | GFH36K3FI | GKH36K3FI | GTH36K3FI | GFH42K3FI |
| Capacity | Cooling | | W | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 | 11500 |
| | | | Btu/h | 34120 | 34120 | 34120 | 34120 | 34120 | 34120 | 39238 |
| | Heating | | W | 12000 | 12000 | 12000 | 12000 | 12000 | 12000 | 13500 |
| | | | Btu/h | 40944 | 40944 | 40944 | 40944 | 40944 | 40944 | 46062 |
| SEER/SCOP | | | W/W | 5.6/4.0 | 6.1/4.0 | 6.1/4.0 | 5.1/4.0 | 6.1/4.0 | 6.1/4.0 | 5.6/3.8 |
| EER / C.O.P | | | W/W | 3.12/3.53 | 3.12/3.43 | 3.12/3.53 | 3.21/3.61 | 3.21/3.61 | 3.21/3.61 | 2.88/3.46 |
| | | | Btu/h.W | 10.66/12.04 | 10.66/11.70 | 10.66/12.04 | 10.94/12.33 | 10.94/12.33 | 10.94/12.33 | 9.81/11.81 |
| Power supply | | | Ph/V/Hz | 220-240-50-1 | 220-240-50-1 | 220-240-50-1 | 380-415-50-3 | 380-415-50-3 | 380-415-50-3 | 220-240-50-1 |
| Power input | Cooling | | kW | 4.65 | 4.65 | 4.75 | 4.75 | 4.80 | 4.80 | 4.80 |
| | Heating | | kW | 4.75 | 4.85 | 4.85 | 4.85 | 4.85 | 4.85 | 4.85 |
| Current input | Cooling | | A | 15.00 | 15.00 | 15.00 | 5.40 | 5.40 | 5.40 | 18.60 |
| | Heating | | A | 15.50 | 16.20 | 15.80 | 5.80 | 5.80 | 5.80 | 18.10 |
| Refrigerant charge volume | | | kg | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.7 |
| Indoor unit | Sound pressure level (H/M/L) | | dB(A) | 52/48/44 | 49/46/43 | 53/51/46 | 52/48/44 | 49/46/43 | 53/51/46 | 52/48/44 |
| | Air flow volume(H/M/L) | | CFM | 1235.85 | 1094.61 | 1118.15 | 1235.85 | 1094.61 | 1118.15 | 1235.85 |
| | | | m³/h | 2100 | 1860 | 1900 | 2100 | 1860 | 1900 | 2100 |
| | ESP | Rated | Pa | 37 | 0 | 0 | 37 | 0 | 0 | 37 |
| | | Range | Pa | 0-100 | 0 | 0 | 0-100 | 0 | 0 | 0-100 |
| | Dimension (W×D×H) | Outline | mm | 1226×775×290 | 840×840×320 | 1420×700×245 | 1226×775×290 | 840×840×320 | 1420×700×245 | 1226×775×290 |
| | | Package | mm | 1338×877×305 | 963×963×409 | 1548×828×345 | 1338×877×305 | 963×963×409 | 1548×828×345 | 1338×877×305 |
| | Net weight | | kg | 46.0 | 31.0 | 48.0 | 46.0 | 31.0 | 48.0 | 46.0 |
| | Gross weight | | kg | 53.0 | 38.0 | 56.0 | 53.0 | 38.0 | 56.0 | 53.0 |
| Panel | Dimension (W×D×H) | Outline | mm | —/— | 950×950×60 | —/— | —/— | 950×950×60 | —/— | —/— |
| | | Package | mm | —/— | 1028×1043×130 | —/— | —/— | 1028×1043×130 | —/— | —/— |
| | Net weight | | kg | —/— | 7 | —/— | —/— | 7 | —/— | —/— |
| | Gross weight | | kg | —/— | 11 | —/— | —/— | 11 | —/— | —/— |
| Outdoor unit | Sound pressure level | | dB(A) | 63/—/— | 63/—/— | 63/—/— | 63/—/— | 63/—/— | 63/—/— | 61/—/— |
| | Dimension (W×D×H) | Outline | mm | 1107×440×1100 | 1107×440×1100 | 1107×440×1100 | 1107×440×1100 | 1107×440×1100 | 1107×440×1100 | 958×412×1349 |
| | | Package | mm | 1158X493X1236 | 1158X493X1236 | 1158X493X1236 | 1158X493X1236 | 1158X493X1236 | 1158X493X1236 | 1043X453X1500 |
| | Net weight | | kg | 92.0 | 92.0 | 92.0 | 98.0 | 98.0 | 98.0 | 95.0 |
| | Gross weight | | kg | 100.0 | 100.0 | 100.0 | 106.0 | 106.0 | 106.0 | 105.0 |
| Connection pipe | Outer diameter | Liquid | inch(mm) | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| | | Gas | inch(mm) | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 |
| | Max.distance | Height | m | 15 | 15 | 15 | 15 | 15 | 15 | 30 |
| | | Length | m | 30 | 30 | 30 | 30 | 30 | 30 | 50 |
| Loading quantity | | | 40'GP | 45 | 43 | 45 | 45 | 43 | 45 | 52 |
| | | | 40'HQ | 60 | 50 | 56 | 60 | 50 | 56 | 58 |

| Model | | | | GUHD42NK3FO | GUHD42NK3FO | GUHD42NM3FO | GUHD42NM3FO | GUHD42NM3FO | GUHD48NK3FO | GUHD48NK3FO |
|---|---|---|---|---|---|---|---|---|---|---|
| | Outdoor unit | | | | | | | | | |
| | Indoor unit | | | Cassette | Floor ceiling | Duct | Cassette | Floor ceiling | Duct | Cassette |
| | | | | GKH42K3FI | GTH42K3FI | GFH42K3FI | GKH42K3FI | GTH42K3FI | GFH48K3FI | GKH48K3FI |
| Capacity | Cooling | | W | 11000 | 11500 | 11500 | 11000 | 11500 | 14000 | 14000 |
| | | | Btu/h | 37532 | 39238 | 39238 | 37532 | 39238 | 47768 | 47768 |
| | Heating | | W | 12500 | 13500 | 13500 | 12500 | 13500 | 15500 | 16000 |
| | | | Btu/h | 42650 | 46062 | 46062 | 42650 | 46062 | 52886 | 54592 |
| SEER/SCOP | | | W/W | 5.6/4.0 | 6.1/4.0 | 5.6/4.0 | 6.1/4.0 | 5.6/4.0 | 6.1/3.8 | 6.1/3.8 |
| EER / C.O.P | | | W/W | 2.82/3.29 | 2.95/3.65 | 2.88/3.46 | 2.82/3.29 | 2.95/3.61 | 2.98/3.52 | 3.04/3.56 |
| | | | Btu/h.W | 9.62/11.22 | 10.06/12.45 | 9.81/11.81 | 9.62/11.22 | 10.06/12.32 | 10.16/12.02 | 10.38/12.13 |
| Power supply | | | Ph/V/Hz | 220-240-50-1 | 220-240-50-1 | 380-415-50-3 | 380-415-50-3 | 380-415-50-3 | 220-240-50-1 | 220-240-50-1 |
| Power input | Cooling | | kW | 4.75 | 4.80 | 4.90 | 4.80 | 4.80 | 6.70 | 6.70 |
| | Heating | | kW | 4.90 | 4.90 | 4.90 | 4.90 | 4.90 | 6.70 | 6.50 |
| Current input | Cooling | | A | 18.10 | 18.10 | 6.90 | 6.90 | 6.70 | 21.80 | 21.30 |
| | Heating | | A | 17.60 | 17.20 | 6.70 | 6.60 | 6.50 | 20.40 | 20.80 |
| Refrigerant charge volume | | | kg | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 4.0 | 4.0 |
| Indoor unit | Sound pressure level (H/M/L) | | dB(A) | 49/46/43 | 54/52/47 | 52/48/44 | 49/46/43 | 54/52/47 | 53/49/45 | 52/47/41 |
| | Air flow volume(H/M/L) | | CFM | 1094.61 | 1118.15 | 1235.85 | 1094.61 | 1118.15 | 1412.4 | 1353.55 |
| | | | m³/h | 1860 | 1900 | 2100 | 1860 | 1900 | 2400 | 2300 |
| | ESP | Rated | Pa | 0 | 0 | 37 | 0 | 0 | 50 | 0 |
| | | Range | Pa | 0 | 0 | 0-100 | 0 | 0 | 0-125 | 0 |
| | Dimension (W×D×H) | Outline | mm | 840×840×320 | 1420×700×245 | 1226×775×290 | 840×840×320 | 1420×700×245 | 1340×750×350 | 910×910×290 |
| | | Package | mm | 963×963×409 | 1548×828×345 | 1338×877×305 | 963×963×409 | 1548×828×345 | 1423×837×455 | 1023×993×375 |
| | Net weight | | kg | 31.0 | 50.0 | 46.0 | 31.0 | 50.0 | 56.0 | 43.0 |
| | Gross weight | | kg | 38.0 | 58.0 | 53.0 | 38.0 | 58.0 | 65.0 | 50.0 |
| Panel | Dimension (W×D×H) | Outline | mm | 950×950×60 | —/— | —/— | 950×950×60 | —/— | —/— | 1040×1040×65 |
| | | Package | mm | 1028×1043×130 | —/— | —/— | 1028×1043×130 | —/— | —/— | 1137×1137×140 |
| | Net weight | | kg | 7 | —/— | —/— | 7 | —/— | —/— | 8 |
| | Gross weight | | kg | 11 | —/— | —/— | 11 | —/— | —/— | 12 |
| Outdoor unit | Sound pressure level | | dB(A) | 61/—/— | 61/—/— | 61/—/— | 61/—/— | 61/—/— | 59/—/— | 59/—/— |
| | Dimension (W×D×H) | Outline | mm | 958×412×1349 | 958×412×1349 | 958×412×1349 | 958×412×1349 | 958×412×1349 | 958×412×1349 | 958×412×1349 |
| | | Package | mm | 1043X453X1500 | 1043X453X1500 | 1043X453X1500 | 1043X453X1500 | 1043X453X1500 | 1043X453X1500 | 1043X453X1500 |
| | Net weight | | kg | 95.0 | 95.0 | 108.0 | 108.0 | 108.0 | 105.0 | 105.0 |
| | Gross weight | | kg | 105.0 | 105.0 | 118.0 | 118.0 | 118.0 | 115.0 | 115.0 |
| Connection pipe | Outer diameter | Liquid | inch(mm) | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| | | Gas | inch(mm) | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 | 5/8 |
| | Max.distance | Height | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | | Length | m | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Loading quantity | | | 40'GP | 45 | 43 | 52 | 45 | 43 | 38 | 43 |
| | | | 40'HQ | 48 | 47 | 58 | 48 | 4789 | 48 | 50 |

| Model | | | | GUHD48NK3FO | GUHD48NM3FO | GUHD48NM3FO | GUHD48NM3FO | GUHD60NM3FO | GUHD60NM3FO | GUHD60NM3FO |
|---|---|---|---|---|---|---|---|---|---|---|
| | Outdoor unit | | | | | | | | | |
| | Indoor unit | | | Floor ceiling | Duct | Cassette | Floor ceiling | Duct | Cassette | Floor ceiling |
| | | | | GTH48K3FI | GFH48K3FI | GKH48K3FI | GTH48K3FI | GFH60K3FI | GKH60K3FI | GTH60K3FI |
| Capacity | Cooling | | W | 14000 | 14000 | 14000 | 14000 | 16000 | 16000 | 16000 |
| | | | Btu/h | 47768 | 47768 | 47768 | 47768 | 54592 | 54592 | 54592 |
| | Heating | | W | 16000 | 15500 | 16000 | 16000 | 16500 | 17000 | 17000 |
| | | | Btu/h | 54592 | 52886 | 54592 | 54592 | 56298 | 58004 | 58004 |
| SEER/SCOP | | | W/W | 5.6/3.8 | 5.6/3.8 | 5.6/3.8 | 5.6/4.0 | 5.6/3.8 | 6.1/4.0 | 5.1/4.0 |
| EER / C.O.P | | | W/W | 2.92/3.72 | 2.75/3.44 | 2.72/3.56 | 2.80/3.56 | 2.86/3.61 | 2.81/3.62 | 2.78/3.62 |
| | | | Btu/h.W | 9.95/12.70 | 9.37/11.75 | 9.28/12.13 | 9.55/12.13 | 9.75/12.32 | 9.58/12.34 | 9.49/12.34 |
| Power supply | | | Ph/V/Hz | 220-240-50-1 | 380-415-50-3 | 380-415-50-3 | 380-415-50-3 | 380-415-50-3 | 380-415-50-3 | 380-415-50-3 |
| Power input | Cooling | | kW | 6.60 | 6.70 | 6.70 | 6.60 | 7.40 | 7.40 | 7.40 |
| | Heating | | kW | 6.70 | 6.70 | 6.70 | 6.70 | 7.20 | 7.20 | 7.20 |
| Current input | Cooling | | A | 22.30 | 8.80 | 8.90 | 8.60 | 9.70 | 9.80 | 10.00 |
| | Heating | | A | 20.00 | 7.80 | 7.80 | 7.80 | 7.90 | 8.20 | 8.20 |
| Refrigerant charge volume | | | kg | 4.0 | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 |
| Indoor unit | Sound pressure level (H/M/L) | | dB(A) | 55/50/46 | 53/49/45 | 52/47/41 | 55/50/46 | 56/54/49 | 53/47/41 | 56/52/46 |
| | Air flow volume(H/M/L) | | CFM | 1353.55 | 1412.4 | 1353.55 | 1353.55 | 1765.5 | 1412.4 | 1471.25 |
| | | | m³/h | 2300 | 2400 | 2300 | 2300 | 3000 | 2400 | 2500 |
| | ESP | Rated | Pa | 0 | 50 | 0 | 0 | 50 | 0 | 0 |
| | | Range | Pa | 0 | 0-125 | 0 | 0 | 0-150 | 0 | 0 |
| | Dimension (W×D×H) | Outline | mm | 1700×700×245 | 1340×750×350 | 910×910×290 | 1700×700×245 | 1340×750×350 | 910×910×290 | 1700×700×245 |
| | | Package | mm | 1828×828×345 | 1423×837×455 | 1023×993×375 | 1828×828×345 | 1423×837×455 | 1023×993×375 | 1828×828×345 |
| | Net weight | | kg | 59.0 | 56.0 | 43.0 | 59.0 | 57.0 | 43.0 | 59.0 |
| | Gross weight | | kg | 68.0 | 65.0 | 50.0 | 68.0 | 69.0 | 50.0 | 68.0 |
| Panel | Dimension (W×D×H) | Outline | mm | —/— | —/— | 1040×1040×65 | —/— | —/— | 1040×1040×65 | —/— |
| | | Package | mm | —/— | —/— | 1137×1137×140 | —/— | —/— | 1137×1137×140 | —/— |
| | Net weight | | kg | —/— | —/— | 8 | —/— | —/— | 8 | —/— |
| | Gross weight | | kg | —/— | —/— | 12 | —/— | —/— | 12 | —/— |
| Outdoor unit | Sound pressure level | | dB(A) | 59/—/— | 59/—/— | 59/—/— | 59/—/— | 63/—/— | 63/—/— | 63/—/— |
| | Dimension (W×D×H) | Outline | mm | 958×412×1349 | 958×412×1349 | 958×412×1349 | 958×412×1349 | 1085×427×1365 | 1085×427×1365 | 1085×427×1365 |
| | | Package | mm | 1043X453X1500 | 1043X453X1500 | 1043X453X1500 | 1043X453X1500 | 1143X478X1505 | 1143X478X1505 | 1143X478X1505 |
| | Net weight | | kg | 105.0 | 114.0 | 114.0 | 114.0 | 126.0 | 126.0 | 126.0 |
| | Gross weight | | kg | 115.0 | 124.0 | 124.0 | 124.0 | 138.0 | 138.0 | 138.0 |
| Connection pipe | Outer diameter | Liquid | inch(mm) | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| | | Gas | inch(mm) | 5/8 | 5/8 | 5/8 | 5/8 | 3/4 | 3/4 | 3/4 |
| | Max.distance | Height | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | | Length | m | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Loading quantity | | | 40'GP | 43 | 38 | 43 | 43 | 40 | 38 | 39 |
| | | | 40'HQ | 47 | 48 | 50 | 47 | 40 | 48 | 42 |

# Award and Certification

ISO 9001 Quality System Certificate

ISO 14001 Environment Management System Certificate

ISO 18001 Occupation Healthy Safety System Certificate

Canadian CSA Certificate

German TÜV Certificate

3C Certificate

European Communities CE Certificate

American UL Certificate

Russian Safety Certificate

EQM

SASO Certificate

Mexico NOM Safety Certificate

German GS Certificate

European EMC Certificate

Argentina Safe Certificate

China EMC Certificate

Hongkong Energy-saving Certificate

Hongkong Safety Certificate

Australian SAA Safe Certificate

Australia SAA Certificate

CQC Certificate

America ETL Certificate

Canadian ETL Certificate

Thailand TIS Certificate