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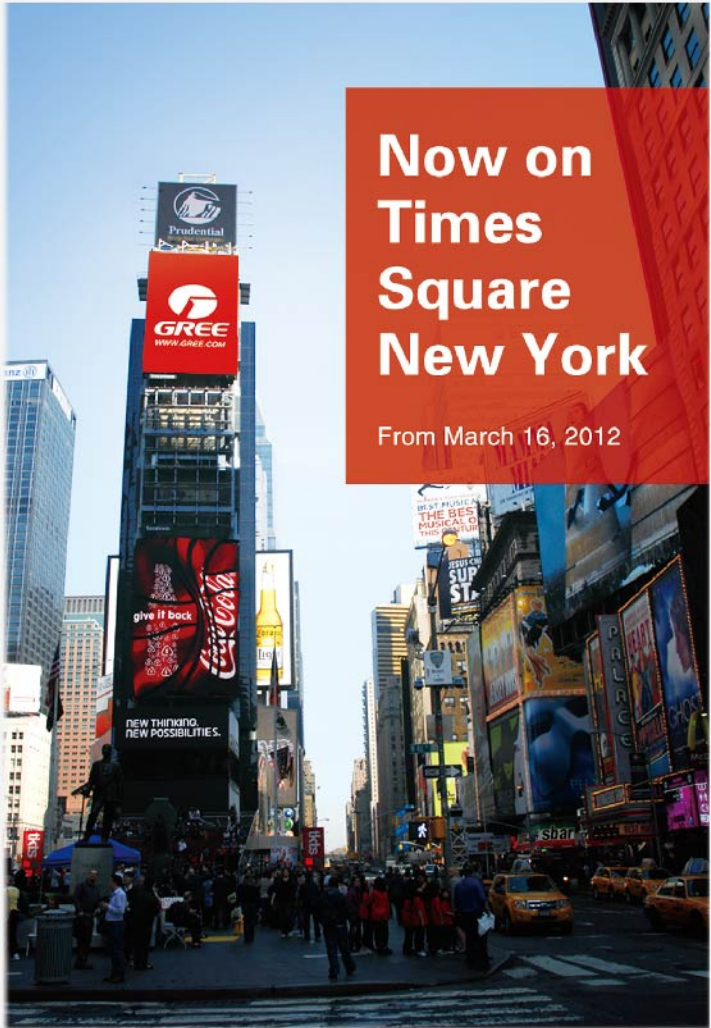
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GR1309-01

2014

RAC EU

Gree Profile



No.1 air conditioner manufacturer



9 production bases



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

ทึยฮาดถึ
مكيفر غازى
مكيف الهواء
air conditioner
램온풍기
エアコン
एर कन्डिशनर
空调 climatiseur
acondicionador de aire
ar condicionado

250,000,000 users



60,000,000 sets RAC annual production capacity



5,500,000 sets CAC annual production capacity



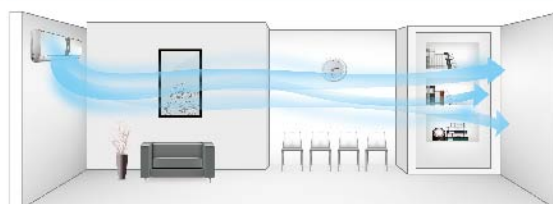
Ceiling Cooling



Floor Heating

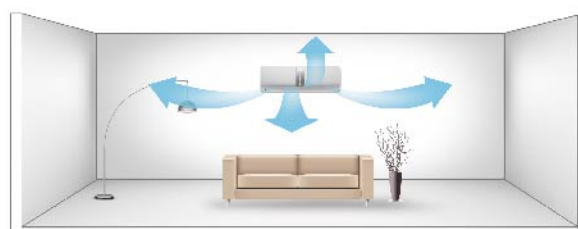


"Turbo" Cooling



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

4-way Air Outlet



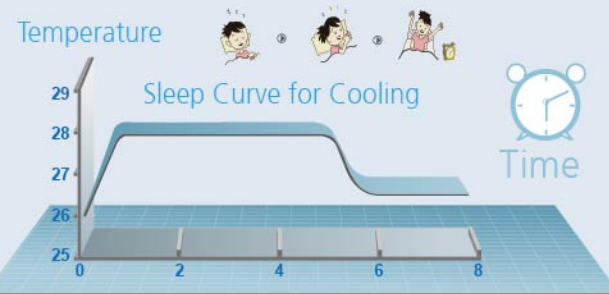
The louver can be vertically or horizontally adjusted so as to maximize comfort in the room.

7 Fan Speeds

From super low to turbo, choose desired air flow.



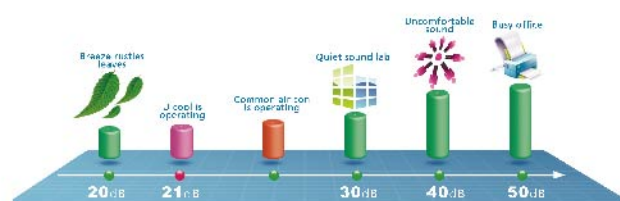
3 Sleep Curves



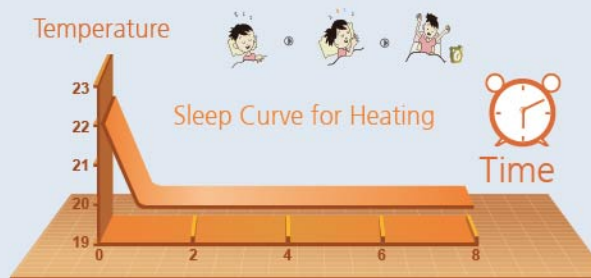
3 Sleep Curves

- Mode 1: Indoor temperature automatically rises (when cooling) or drops (when heating).
- Mode 2: Featuring unique refreshment function, the temperature is automatically adjusted to be a little lower before you wake up.
- Mode 3: You could design your own sleep curve under DIY mode.

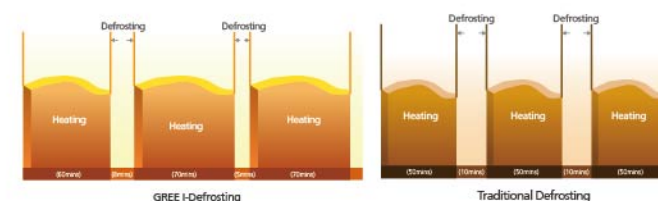
Low Noise



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



Intelligent Defrosting



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

Functions for Low Ambient Temperature



8°C Heating

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

-15°C Cooling

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

-20°C Heating

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

Cold Air Prevention

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

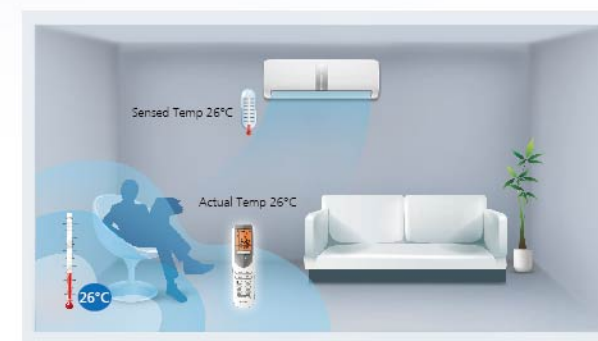


- | | | | | | | | |
|---|--|--|--|--|--|---|---|
| FAN
Choose fan speed | MODE
Change operation mode: Auto, Cool, Dry, Fan, and Heat | -
Decrease set temperature; hold the button for 2 seconds to decrease set temperature rapidly. | +
Raise set temperature; hold the button for 2 seconds to raise set temperature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

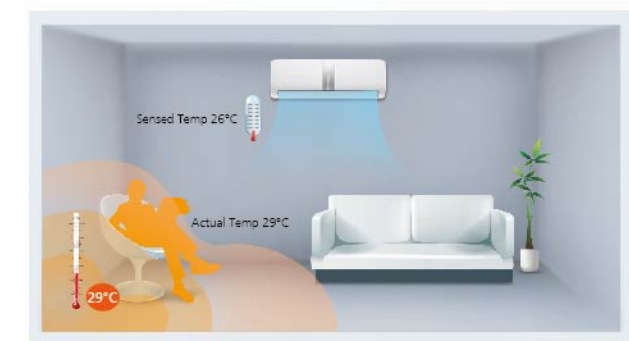


I Feel

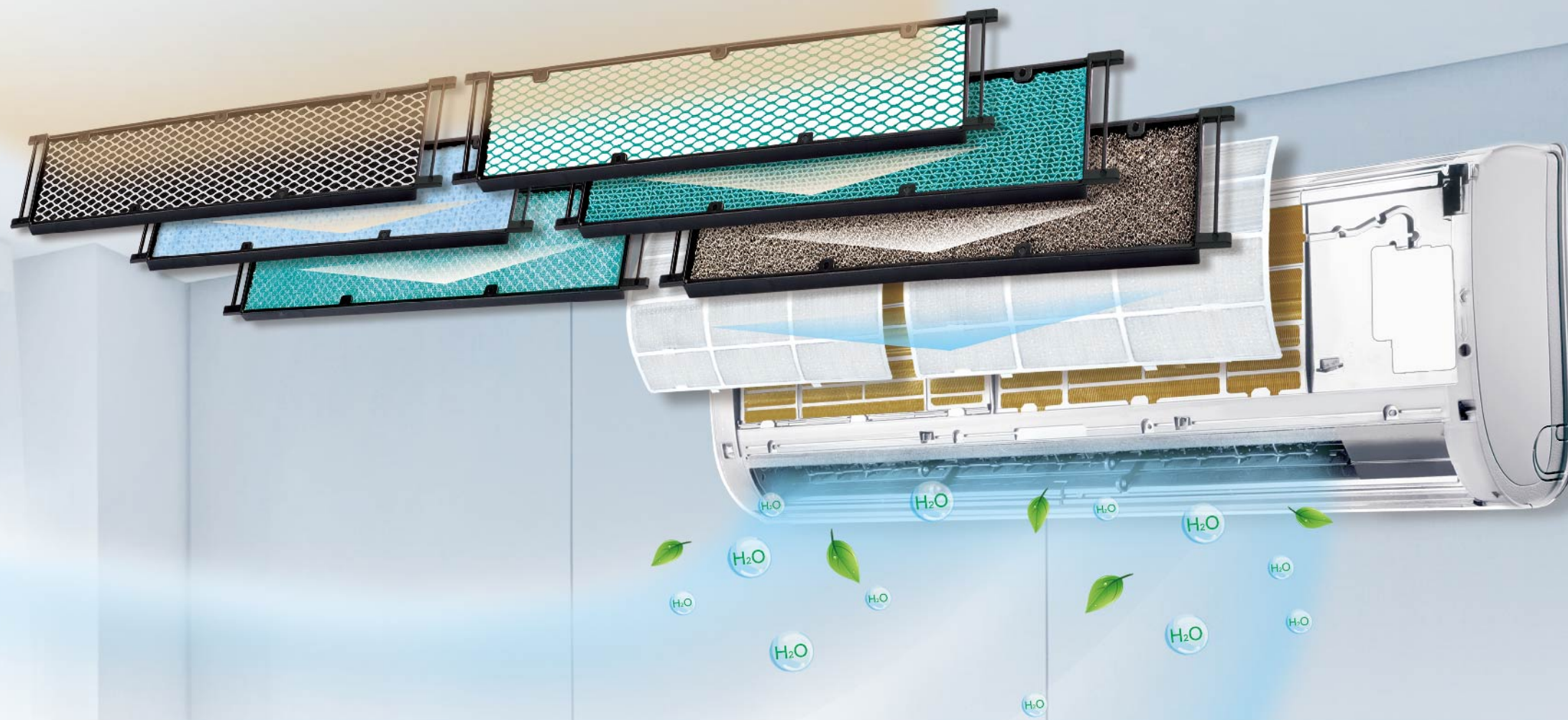
The mini sensor in the remote controller can sense its surrounding temperature, and transmit the signal back to the indoor unit. So the unit can adjust the air flow volume and temperature accordingly so as to provide maximum comfort.



Remoter with I Feel



Remoter without I Feel



Photocatalytic Filter

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



Catechin Filter

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



Active Carbon Filter

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



Silver Ion Filter

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

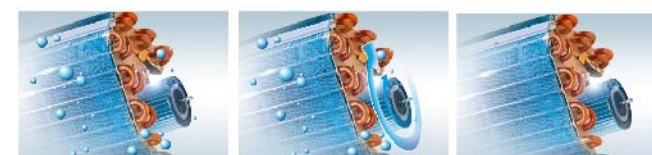


Multi-function Filter

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

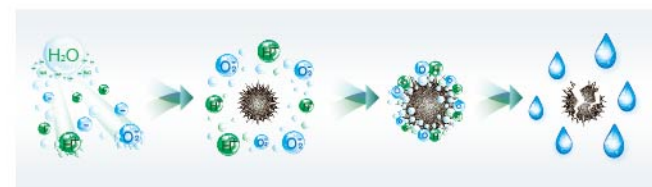
Auto Clean (X-FAN)

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



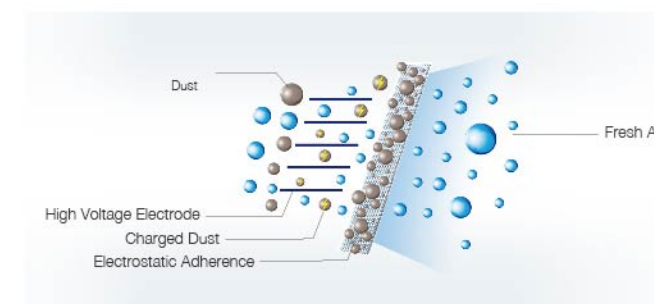
Cold Plasma

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



Electrostatic Dedusting Generator

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

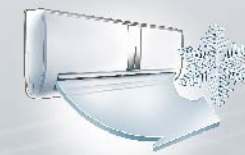
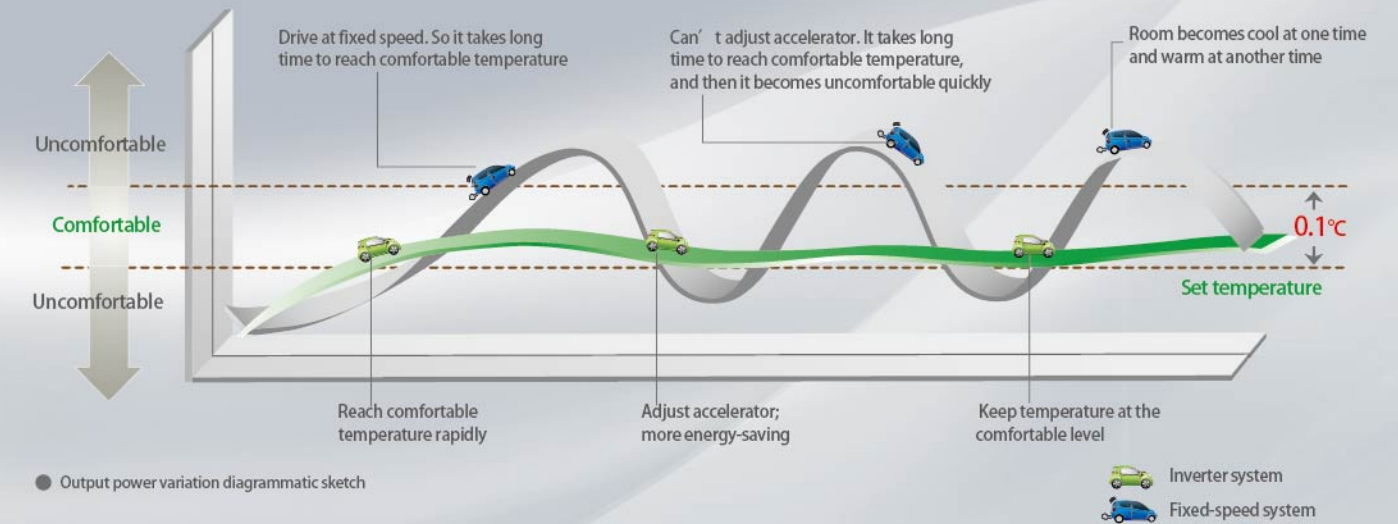


* Notes:Applicable to some selected models

INVERTER



How Inverter Saves Energy



Faster Cooling



Precise Temp Control



Energy Saving



Eco-friendly Refrigerant

G¹⁰ Inverter



Ultra low frequency torque control

- Constant temperature
- Energy saving



High-speed DSP chip

- Accurate calculation
- Efficient operation



Wide frequency precise control

- Unceasing operation
- Accurate control



Power factor correction technology

- High efficiency
- Better protection



Environment-friendly R410A refrigerant

- Low-carbon design
- High efficiency



Ultra-low noise control

- Quiet
- Comfortable



Computer simulation control

- Less fluctuation
- Lower noise



Automatic voltage adaptation(150-260V)

- More stability
- Less damage



High reliability

- Excellent quality
- Superior performance



UHF flux-weakening control

- Rapid cooling
- Rapid heating

Key Points for Reaching High Efficiency

Refrigeration System



High efficiency and stable running compressor



High efficiency and larger heat exchanger with optimized piping system



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

Air Flow System



Enlarged air intake and outlet



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



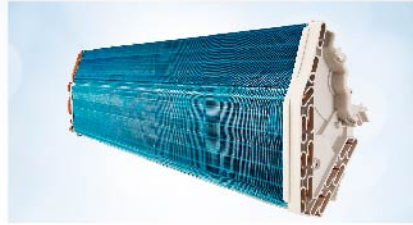
Optimized axial fan design with larger diameter to increase air volume and enhance heat exchange efficiency

Control System



Cutting-edge chip for precise inverter control





Integrated Evaporator

Compact design minimizes IDU size but enhances heat exchange greatly.



Integrated Design

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



Dual Side Installation

Left or right side water outlet, easy for installation



Auto Restart

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



Fire-proof electric box

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



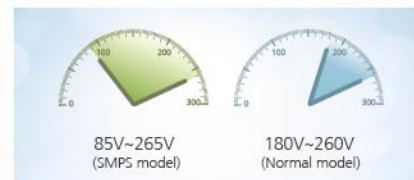
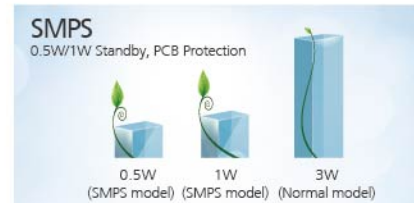
170V Low Voltage Start Up

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

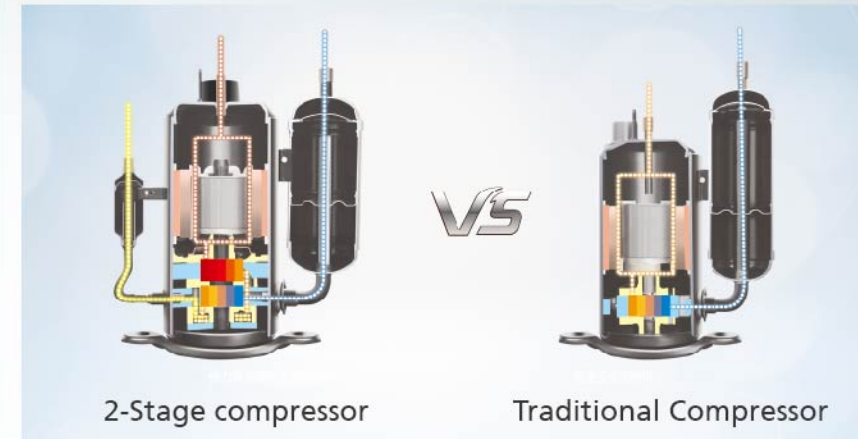


Self-diagnosis

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



Better PCB protection between 85V-265V.



2-Stage compressor

Traditional Compressor



Easy Handle

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



High efficient and Quiet Fan

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



Improved Base Pan Design

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



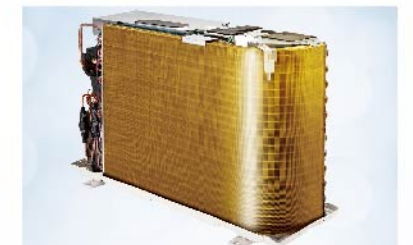
High Temp Resistance PCB

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



Plastic Casing ODU Anti-corrosion ODU

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



Golden/Blue Fin

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

PRODUCTS OVERVIEW

Series	Capacity (Btu/h)	7000	9000	11000	12000	16000	18000	21000	22000	24000	28000	30000	36000	42000	48000	60000	Page
Wall-mounted Type																	
Hansol 			●		●		●			●							15
U-Grace 			●		●		●										18
Viola 			●		●		●			●							20
Lomo 			●		●		●			●							23
Cozy 			●		●		●			●							25
Change 			●		●		●			●							27
Floor Standing																	
Fresh wind 							●			●		●	●				29
Crown 										●					●		31
Portable Type																	
	Capacity (Btu/h)	7000	8000	9000	10000	12000	14000										
Koobe 		●	●														33
Cutee 				●													34
Laffis 					●	●											35

Series	Capacity (Btu/h)	5000	7000	9000	12000	14000	18000	20000	21000	24000	28000	30000	36000	48000	60000	Page
Dehumidifier		Dehumidifying Volume (LD)		8	10	12	14	16	20		24	30				
Fancy 		●	●	●		●										36
Diamond 		●	●													37
Sunny 			●		●	●	●		●							38
Precise 								●		●						39
Air Purifier																
Air Purifier 																40
Aqua 																41
Light Commercial		Capacity (Btu/h)	9000	12000	14000	18000	21000	24000	28000	30000	36000	42000	48000	53000	54000	60000
Console 		●	●		●											42
Free Match 3 					●		●	●		●	●					43
Super Free -Match 											●	●	●	●		49
U-Match 					●		●		●	●		●			●	56



7 Fan Speeds

- From MUTE to TURBO, maximize your comfortable experience.



Advanced Airflow Design

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



Extra inner louver works when Cooling

Extra inner louver is concealed when Heating



Features: ● Standard ● Optional

Model			GWH09TA-S3DNA1C	GWH09TB-S3DNA1C	GWH12TB-S3DNA1C	GWH18TC-S3DNA1B	GWH24TD-S3DNA1B
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling(pdc)	Btu/h	9000	9000	12000	18000	24000
	Heating	Btu/h	9500	9500	12500	18000	24000
	Pdesignh(AV Pdesignh (C)	Btu/h	9500	10000	12000	18000	24000
SEER/SCOP(A)/SCOP(C)		W/W	7.8/4.2	8.5/4.6	7.8/4.6	6.4/4.0	6.3/4.0
Energy Class			A++/A+	A+++/A++	A++/A++	A++/A+	A++/A+
Power Supply		Ph,V,Hz	1Ph,220-240V,50/60Hz	1Ph,220-240V,50/60Hz	1Ph,220-240V,50/60Hz	1Ph,220-240V,50/60Hz	1Ph,220-240V,50/60Hz
Power Input	Cooling	W	660	600	890	1514	2000
	Heating	W	640	610	900	1600	2170
Rated Current	Cooling	A	3.3	3.0	4	12.08	15.46
	Heating	A	3.2	3.0	4.0	14.0	14.2
Airflow Volume	Indoor	m³/h	550	720	740	950	1200
Indoor Unit							
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	55/50/48/46/42/38/35	57/50/48/46/42/38/35	59/50/48/46/42/38/35	59/54/51/49/46/43/40	63/60/58/55/53/49/45
Outline Dimension	WxHxD	mm	806x292x209	866x292x209	866x292x209	1018x319x230	1178x326x264
Package Dimension	WxHxD	mm	885x374x282	942x374x282	942x374x282	1097x340x397	1256x364x414
Net Weight/Gross Weight	Indoor	kg	10.5/13.5	11/14	11/14	15/18.5	18/24
Outdoor Unit							
Sound Power Level	Outdoor	dB(A)	63	63	65	65	70
Piping Connection	Gas	mm	φ9.52	φ12	φ12	φ16	φ16
	Liquid	mm	φ6	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	899x596x378	899x596x378	899x596x378	955x700x396	980x790x427
Package Dimension	WxHxD	mm	945x417x630	945x417x630	945x417x630	1029x750x458	1083x855x488
Net Weight/Gross Weight	Outdoor	kg	45.5/49.5	45.5/49.5	45.5/49.5	49/53	68/73
Loading Quantity	40'GP	sets	167	166	166	119	84
	40'HQ	sets	187	186	186	135	104

Low ambient cooling and heating

Model			GWH09TA-S3DBA1D	GWH09TB-S3DBA1D	GWH12TB-S3DBA1D	GWH18TC-S3DBA1D	GWH24TD-S3DBA1D	
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	
Capacity	Cooling(pdc)	Btu/h	9000	9000	12000	18000	24000	
	Heating	Btu/h	9500	9500	12500	19100	24000	
	Pdesignh(AV) Pdesignh (C)	Btu/h	9500	10000	12000	18000/18424	24000/24000	
SEER/SCOP(A)/SCOP(C)		W/W	7.8/4.2	8.5/4.6	7.8/4.6	6.4/4.0/2.7	5.8/4.0/3.3	
Energy Class			A++/A+	A+++/A++	A++/A++	A++/A+/D	A+/A+/B	
Power Supply		Ph,V,Hz	1Ph,220-240V,50/60Hz	1Ph,220-240V,50/60Hz	1Ph,220-240V,50/60Hz	1Ph,230V,50Hz	1Ph,230V,50Hz	
Power Input	Cooling	W	660	600	890	1514	2000	
	Heating	W	640	610	900	1600	1950	
Rated Current	Cooling	A	3.3	3.0	4	6.72	8.87	
	Heating	A	3.2	3.0	4.0	7.1	8.65	
Airflow Volume		Indoor	m³/h	550	720	740	950	1200
Indoor Unit								
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	55/50/48/46/42/38/35	57/50/48/46/42/38/35	59/50/48/46/42/38/35	60/56/54/52/50/48/46	65/62/58/56/54/52/50	
Outline Dimension	WxHxD	mm	806x292x209	866x292x209	866x292x209	1018x319x230	1178x326x264	
Package Dimension	WxHxD	mm	885x374x282	942x374x282	942x374x282	1097x340x397	1256x364x414	
Net Weight/Gross Weight	Indoor	kg	10.5/13.5	11/14	11/14	15/18.5	17.5/21.5	
Outdoor Unit								
Sound Power Level	Outdoor	dB(A)	63	63	65	65	68	
Piping Connection	Gas	mm	ø9.52	ø12	ø12	ø16	ø16	
	Liquid	mm	ø6	ø6	ø6	ø6	ø6	
Outline Dimension	WxHxD	mm	899x596x378	899x596x378	899x596x378	955x700x396	980x790x427	
Package Dimension	WxHxD	mm	945x417x630	945x417x630	945x417x630	1029x750x458	1083x855x488	
Net Weight/Gross Weight	Outdoor	kg	45.5/49.5	45.5/49.5	45.5/49.5	49/53	65/70	
Loading Quantity	40'GP	sets	167	166	166	119	84	
	40'HQ	sets	187	186	186	135	104	

Low ambient cooling and heating

Model			GWH09TA-S3DNA1B	GWH09TB-S3DNA1B	GWH12TB-S3DNA1B	GWH18TC-S3DBA1B	GWH24TD-S3DBA1B
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling(pdc)	Btu/h	8500	8500	12000	18000	24000
	Heating	Btu/h	9500	9500	12500	18000	24000
	Pdesignh(A)/ Pdesignh (C)	Btu/h	9500	12000	13000	18000	24000
SEER/SCOP(A)/SCOP(C)		W/W	7.0/4.0	7.5/4.6	7.0/4.6	6.4	6.3
Energy Class			A++/A+	A++/A++	A++/A++	A++/A+	A++/A+
Power Supply		Ph,V,Hz	1Ph/220-240V/50,60Hz	1Ph/220-240V/50,60Hz	1Ph/220-240V/50,60Hz	1Ph/220-240V/50,60Hz	1Ph/220-240V/50,60Hz
Power Input	Cooling	W	650	520	900	1514	2000
	Heating	W	685	565	895	1600	2170
Rated Current	Cooling	A	2.9	2.3	4.0	12.0	15.4
	Heating	A	3.0	2.5	4.0	14.0	14.2
Airflow Volume	Indoor	m³/h	550	730	770	950	1200
Indoor Unit							
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	58/50/48/46/42/38/35	58/51/49/47/43/39/36	59/51/49/47/43/39/37	60/56/54/52/50/48/46	65/62/58/56/54/52/49
Outline Dimension	WxHxD	mm	806x292x209	866x292x209	866x292x209	1018x319x230	1178x326x264
Package Dimension	WxHxD	mm	885x374x282	942x374x282	942x374x282	1097x397x340	1256x414x364
Net Weight/Gross Weight	Indoor	kg	10.5/13.5	11.0/14.0	11.0/14.0	15/18.5	17.5/21.5
Outdoor Unit							
Sound Power Level	Outdoor	dB(A)	62	62	63	65	68
Piping Connection	Gas	mm	φ9.52	φ9.52	φ9.52	φ16	φ16
	Liquid	mm	φ6	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848x540x320	899x596x378	899x596x378	955x700x396	980x790x427
Package Dimension	WxHxD	mm	878x360x580	945x417x630	945x417x630	1029x458x750	1083x488x855
Net Weight/Gross Weight	Outdoor	kg	36.0/40.0	43.0/47.0	43.0/47.0	49.0/53.0	69.0/74.0
Loading Quantity							
Loading Quantity	40'GP	sets	188	166	166	119	84
	40'HQ	sets	218	186	186	135	104

U-Grace Series



159mm
Slim body

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

Comfortable
Energy-saving mode

- It offers a perfect balance between most comfortable temperature and least power consumption.



Automatic Operation



LED Display



I Feel



8 °c Heating



Sleep Mode



Cold Air Prevention



Quiet Design



Timer



'Turbo' Button



Self-diagnosis



Auto Clean



Dehumidifying



Energy Saving



Auto Restart



Heating Under Low Temperature



Memory



3 Sleep Curves



Healthy Filters



Cold Plasma

Features: ● Standard ● Optional

Model			GWH09UB-K3DNA2E	GWH12UB-K3DNA2E	GWH18UC-K3DNA2E
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000	18000
	Heating	Btu/h	9500	13000	19500
	Pdesignh	Btu/h	9200	11300	17800
SEER/SCOP(A)		W/W	6.1/4.0	6.1/4.0	6.1/3.8
Energy Class			A++/A+	A++/A+	A++/A
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	720	1090	1700
	Heating	W	760	1170	1750
Rated Current	Cooling	A	6.0	6.5	10.7
	Heating	A	7.0	7.5	11.6
Airflow Volume	Indoor	m³/h	560	560	850
Indoor Unit					
Sound Power Level	Indoor	dB(A)(SHH/ML)	55/52/49/47/45/43/41	55/53/50/48/46/44/42	58/56/54/52/50/48/46
Outline Dimension	WxHxD	mm	896x320x159	896x320x159	998x340x178
Package Dimension	WxHxD	mm	973x403x255	973x403x255	1083x428x283
Net Weight/Gross Weight	Indoor	kg	11.0/14.0	11.0/14.0	15.0/19.0
Outdoor Unit					
Sound Power Level	Outdoor	dB(A)	63	63	65
Piping Connection	Gas	mm	φ9.52	φ12	φ12
	Liquid	mm	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776x540x320	842x596x320	955x700x396
Package Dimension	WxHxD	mm	851x595x363	881x645x363	1029x750x458
Net Weight/Gross Weight	Outdoor	kg	31/35	34/37	48/53
Loading Quantity	40'GP	sets	207	194	125
	40'HQ	sets	239	216	139

Viola series



Colorful Curve Design • A beautiful smile is attached on colorful panel, shining your life everyday.

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



I Feel

8 °c Heating

Comfortable Sleep Curves

Cold Air Prevention

LED Display

Timer

Intelligent Defrosting

Auto Clean

Automatic Operation

'Turbo' Button

Self-diagnosis

Dehumidifying

Energy Saving

Auto Restart

Healthy Filters

Cold Plasma

1 W Standby

-15°c Heating

-15° C Cooling

-7° C Cooling

Two-stage Compressor

Features: ● Standard ● Optional

Model			GWH09RB-K3DNA3C	GWH12RB-K3DNA3C	GWH18RC-K3DNA3C	GWH24RD-K3DNA3C
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000	18000	22000
	Heating	Btu/h	9500	12500	18000	22000
	Pdesignh(A)/ Pdesignh (C)	Btu/h	9000	12000	18083	22000
SEER/SCOP(A)/SCOP(C)			W/W	6.4/4.0	6.4/3.8	5.6/3.8
Energy Class				A++/A+	A++/A	A+/A
Power Supply			Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	720	1100	1620	1940
	Heating	W	720	1100	1600	1910
Rated Current	Cooling	A	3.5	5	10.87	12.5
	Heating	A	5.2	5.2	10.87	13.85
Airflow Volume	Indoor	m³/h	600	600	850	1000
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	58/49/44/38	58/50/46/38	57/53/38/44	65/60/58/55
Outline Dimension	WxHxD	mm	845x275x180	845x275x180	945x298x208	1018x315x223
Package Dimension	WxHxD	mm	926x371x267	926x371x267	1013x383x300	1086x398x328
Net Weight/Gross Weight	Indoor	kg	10/12	10/12	13/17	15.5/19
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	63	63	65	70
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776x540x320	848x540x320	955x700x396	980x790x427
Package Dimension	WxHxD	mm	851x595x363	878x580x360	1029x458x750	1080x485x840
Net Weight/Gross Weight	Outdoor	kg	30/32	33/35	46/51	62/67
Loading Quantity	40'GP	sets	216	211	127	95
	40'HQ	sets	246	246	147	113

Low ambient cooling and heating

Model			GWH09RB-K3DBA3E	GWH12RB-K3DBA3E	GWH18RC-K3DBA3E	GWH24RD-K3DBA3E
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9000	12000	18000	22000
	Heating	Btu/h	9500	12500	18500	22000
	Pdesignh(A)/ Pdesignh (C)	Btu/h	9000/9500	12000/12500	18000/18500	22000/22000
SEER/SCOP(A)/SCOP(C)			W/W	6.5/4.0	6.6/4.4	5.6
Energy Class				A++/A+	A++/A+	A+
Power Supply			Ph,V,Hz	1Ph,220-240(230)V,50Hz	1Ph,220-240(230)V,50Hz	1Ph,220-240(230)V,50Hz
Power Input	Cooling	W	640	980	1620	1940
	Heating	W	650	920	1650	1910
Rated Current	Cooling	A	7.39	7.39	10.87	13.1
	Heating	A	7.39	7.39	10.87	17.4
Airflow Volume	Indoor	m³/h	600	600	850	1000
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	55/51/-/46/-/37	55/51/-/46/-/37/	57/53/48/44	63/58/54/51
Outline Dimension	WxHxD	mm	845x275x180	845x275x180	945x298x211	1018x315x223
Package Dimension	WxHxD	mm	926x267x371	926x267x371	1013x383x300	1086x398x328
Net Weight/Gross Weight	Indoor	kg	10/12	10/12	12/15	14/17.5
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	63	63	65	70
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	848x540x320	899x596x378	955x700x396	980x427x790
Package Dimension	WxHxD	mm	881x363x595	948x420x645	1029x458x750	1083x488x855
Net Weight/Gross Weight	Outdoor	kg	36/40	43/47	48/52.5	63/68
Loading Quantity	40'GP	sets	211	174	127	95
	40'HQ	sets	246	198	149	113

Model			GWH09RB-K3DBA3D	GWH12RB-K3DBA3D	GWH18RC-K3DBA3D	GWH24RD-K3DBA3A
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9,000	12,000	18000	22000
	Heating	Btu/h	9,400	12,500	19107	22000
	Pdesignh(A)/ Pdesignh (C)	Btu/h	9,200/13,650	12,500/17,000	18000/18000	22000/22000
SEER/SCOP(A)/SCOP(C)			W/W	8.5/4.0/2.8	7.8/4.0/2.8	5.6/3.8/2.7
Energy Class				A+++/A+/C	A++/A+/C	A+/A/D
Power Supply			Ph,V,Hz	1Ph,220-240(230)V,50Hz	1Ph,220-240(230)V,50Hz	1Ph,220-240(230)V,50Hz
Power Input	Cooling	W	580	950	1620	1940
	Heating	W	620	1000	1650	1910
Rated Current	Cooling	A	2.6	4.2	10.87	13.1
	Heating	A	2.7	4.4	10.87	17.4
Airflow Volume	Indoor	m³/h	600	600	850	1000
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	54/49/44/38	55/40/45/38	57/53/48/44	63/58/54/51
Outline Dimension	WxHxD	mm	845x275x180	845x275x180	945x298x211	1018x315x223
Package Dimension	WxHxD	mm	926x371x267	926x371x267	1013x300x383	1086x328x398
Net Weight/Gross Weight	Indoor	kg	10/12	10/12	12/15	14/17.5
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	63	65	65	70
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	899x596x378	899x596x378	955x396x700	980x427x790
Package Dimension	WxHxD	mm	948x645x420	948x645x420	1029x750x458	1083x855x488
Net Weight/Gross Weight	Outdoor	kg	45.5/49.5	45.5/49.5	48/52.5	63/68
Loading Quantity	40'GP	sets	167	166	127	95
	40'HQ	sets	187	186	149	113

Lomo Series



0.5w Standby • Innovative switcher power design ensures only 0.5w standby and wider voltage of PCB between 85v-265v.

Intelligent Auto Restart • Upon power is resumed after power failure,the units in the whole building will not be restarted at the same time to avoid impact of electricity net(suitable for engineering project).

0.5W Standby

Comfortable Sleep Curves

Cold Air Prevention

LED Display

Timer

Intelligent Defrosting

Auto Clean

Turbo Button

Self-diagnosis

Dehumidifying

Auto Restart

Intelligent Auto Restart

Healthy Filters

Cold Plasma

I Feel

Energy Saving

8 °c Heating

Features:

Standard

Optional

Model			GWH09QB-K3DNA1A	GWH12QC-K3DNA1A	GWH18QD-K3DNA1A	GWH24QE-K3DNA1A
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8900	12000	18000	22000
	Heating	Btu/h	10200	13000	19790	23000
	Pdesignh	Btu/h	7165	9212	15354	21000
SEER/SCOP (A)		W/W	5.6/3.8	5.1/3.8	5.6/3.8	6.2/3.8
Energy Class			A/A	A/A	A+/A	A+/A
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	860	1150	1625	1760
	Heating	W	930	1100	1760	2360
Rated Current	Cooling	A	1420	1550	2650	14.35
	Heating	A	6.9	6.9	11.5	18.45
Airflow Volume	Indoor	m³/h	560	660	800	1150
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	55/52/44/38	56/53/45/39	58/54/51/48	64/6158/54
Outline Dimension	WxHxD	mm	790x275x200	845x289x209	970x300x224	1078x325x246
Package Dimension	WxHxD	mm	866x367x271	921x379x281	1041x320x383	1148x350x413
Net Weight/Gross Weight	Indoor	kg	9/11.5	10/12.5	13.5/16.5	17/20.5
Outdoor Unit						
Sound Power Level	Outdoor	dB(A)	61	62	63	70
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776x540x320	848x540x320	955x700x396	955x700x396
Package Dimension	WxHxD	mm	823x358x595	881x595x363	1029x750x458	1029x750 x458
Net Weight/Gross Weight	Outdoor	kg	28/30.5	30/33.5	46/51	54.5/59.5
Loading Quantity	40'GP	sets	224	196	127	118
	40'HQ	sets	262	240	146	131



Model			GWH09MB-K3DNA3K	GWH12MB-K3DNA3K	GWH18MC-K3DNA3K	GWH24MD-K3DNA3K
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	9200	12000	18000	22000
	Heating	Btu/h	9500	13500	19000	24000
	Pdesignh	Btu/h	9550	10900	15354	19790
SEER/SCOP (A)		W/W	5.6/3.8	6.1/4.0	5.6/3.8	5.1/3.8
Energy Class			A+/A	A++/A+	A+/A	A/A
Power Supply		Ph,V,Hz	1Ph,220V-240V,50Hz	1Ph,220V-240V,50Hz	1Ph,220V-240V,50Hz	1Ph,220V-240V,50Hz
Power Input	Cooling	W	870	1170	1625	2180
	Heating	W	900	1200	1760	2220
Rated Current	Cooling	A	7	7	2650	2650
	Heating	A	6	6	11.8	12.4
Airflow Volume		Indoor m³/h	600	580	850	1000
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SH/H/M/L)	54/50/45/40	55/52/49/46	58/53/50/45	63/57/52/49
Outline Dimension	WxHxD	mm	845x275x180	845x275x180	940x298x200	1007x315x219
Package Dimension	WxHxD	mm	918x370x258	918x370x258	1013x300x383	1076x328x398
Net Weight/Gross Weight	Indoor	kg	9/12	9/12	13/16	14/17.5
Outdoor Unit						
Sound Power Level	Outdoor	dB(A)	63	63	63	68
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776x540x320	776x540x320	955x700x396	980x427x790
Package Dimension	WxHxD	mm	851x595x363	851x595x363	1026x455x735	1083x488x855
Net Weight/Gross Weight	Outdoor	kg	28/32	29/33	45/50	60/65
Loading Quantity	40"GP	sets	215	215	127	91
	40"HQ	sets	244	244	149	113

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

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

G¹⁰ Inverter



Features: ● Standard ● Optional

Change Series



- G10 Inverter Technology

- 50% energy saving
 - 16Hz low frequency operation

- LED Display Design

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



1 W Standby

LED Display

Intelligent Defrosting

Sleep Mode

'Turbo' Button

Cold Air Prevention

Self-diagnosis

Auto Clean

Timer

Auto Restart

Dehumidifying

Energy Saving

Healthy Filters

Cold Plasma

I Feel

Features: ● Standard ● Optional



Model			GWH09KF-K3DNA5J	GWH12KF-K3DNA5J	GWH18KG-K3DNA5J	GWH24KG-K3DNA5J
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8900	12000	18000	22000
	Heating	Btu/h	10200	13000	19000	24000
	Pdesignh	Btu/h	8871.2	9212.4	16500	19500
SEER/SCOP (A)		W/W	5.6/3.8	5.1/3.8	5.4/3.8	5.1/3.8
Energy Class			A+/A	A/A	A/A	A/A
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	870	1150	1600	2180
	Heating	W	900	1100	1750	2220
Rated Current	Cooling	A	1420	1550	12	13
	Heating	A	6.9	7.3	11.8	12.5
Airflow Volume	Indoor	m³/h	600	680	800	1000
Indoor Unit						
Sound Power Level	Indoor	dB(A)(SHH/ML)	55/52/44/38	56/53/45/39	60/55/51/46	63/57/53/49
Outline Dimension	WxHxD	mm	770x283x201	770x283x201	865x305x215	1007x315x219
Package Dimension	WxHxD	mm	847x345x276	847x352x276	948x310x383	1076x328x398
Net Weight/Gross Weight	Indoor	kg	8/11	9/12	12/15	14.5/17.5
Outdoor Unit						
Sound Power Level	Outdoor	dB(A)	62	62	65	68
Piping Connection	Gas	mm	φ9.52	φ9.52	φ12	φ16
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	776x540x320	848x540x320	955x700x396	980x790x427
Package Dimension	WxHxD	mm	851x363x595	881x595x363	1026x455x735	1083x855x488
Net Weight/Gross Weight	Outdoor	kg	28/32	30/33.5	46/50	55.5/60.5
Loading Quantity						
	40'GP	sets	228	214	129	91
	40'HQ	sets	258	246	149	113

Fresh Wind Series



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

“Turbo” Cooling& Heating • Large air flow
• Rapid cooling & heating

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

Features: ● Standard ● Optional

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



Auto Closed-air Outlet

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

3D Airflow

- Circulating airflow reaches every corner of your room

Large LED Display

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

Model			GVH48AF-M3DNA4A
Function			Cooling/Heating
Capacity	Cooling	Btu/h	46000(13500-6200)
	Heating	Btu/h	52000(15200-6400)
EER/C.O.P		W/W	3.21/3.61
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	18766(5500-1800)
	Heating	W	18766(5500-700)
Rated Current	Cooling	A	8.9
	Heating	A	8.9
Airflow Volume		m³/h	1850
Indoor Unit			
Sound Pressure Level	Indoor	dB(A)(H/M/L)	50/47/44/42
Outline Dimension	WxHxD	mm	580/1865/400
Package Dimension	WxHxD	mm	735/2105/545
Net Weight/Gross Weight	Indoor	kg	65/93
Outdoor Unit			
Sound Pressure Level	Outdoor	dB(A)	58
Piping Connection	Gas	mm	φ19
	Liquid	mm	φ12
Outline Dimension	WxHxD	mm	950/1250/412
Package Dimension	WxHxD	mm	1110/1280/450
Net Weight/Gross Weight	Outdoor	kg	112/123
Loading Quantity	40'GP	sets	33
	40'HQ	sets	39

Timer

'Turbo' Button

Automatic Operation

LED Display

Intelligent Defrosting

Self-diagnosis

Clock Display

3D Airflow

Comfortable Sleep Mode

Cold Air Prevention

Auto Clean

Auto Restart

Lock

Auxiliary Heating

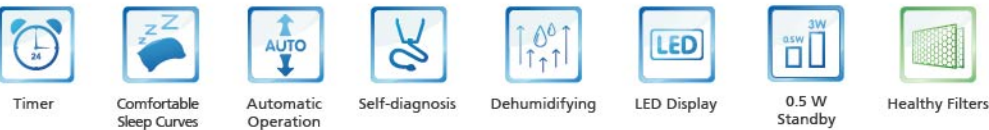
Features: Standard Optional

Koobe Series



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

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



Features: ● Standard ● Optional

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

Cutee Series



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



Features: ● Standard ● Optional

Model			GPC09AI-K3NNC6B	
Function			Cooling	
Capacity	Cooling	Btu/h	9000	
	Heating	Btu/h	-	
EER/C.O.P		W/W	2.6	
Energy Class			A	
Power Supply		Ph,V,Hz	1Ph,220-240V,50Hz	
Power Input	Cooling	W	1015	
	Heating	W	-	
Rated Current	Cooling	A	6.44	
	Heating	A	-	
Airflow Volume	Indoor side	m³/h	250	
Sound Power Level	Indoor side	dB(A)(H/M/L)	65/64/63	
Outline Dimension	WxHxD	mm	340x780x394	
Package Dimension	WxHxD	mm	400x815x550	
Net Weight/Gross Weight		kg	27/32.5	
Loading Quantity	40'GP	sets	244	
	40'HQ	sets	366	

Laffis Series



- Elegant Appearance** • Sleek as laffis, a curve surface gives an elegant impression.
- Heating Pump** • Heating pump is available to meet your needs for both cooling and heating(for 12K) .
- Flexible Castor** • Easy for movement.



Features: ● Standard ● Optional

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

Fancy Series



- Large Button Design** • User-friendly for operation.
- Convenient Handle** • Convenient controlment
• Flexible movement



Features: ● Standard ● Optional

Model		GDN08AJ-K4MBC1A	GDN10AJ-K4MBC1A	GDN12AJ-K4EBC1A	GDN16AJ-K4EBC1A
Dehumidifying Volume	L/D	8	10	12	16
Power Supply	Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	W	190	190	230	280
Power Current	A	0.85	0.85	1.4	1.25
Rate Current	A	1.4	1.5	1.5	1.8
Airflow Volume	m³/h	100	100	100/80	100/80
Sound Power Level	dB(A)(H/L)	43	43	43/41	43/41
Water Tank Volume	L	3.0/3.5	3.0/3.5	3.0/3.5	3.0/3.5
Outline Dimension (WxHxD)	mm	353x496x225	353x496x225	353x496x225	353x496x225
Package Dimension (WxHxD)	mm	396x525x274	396x525x274	396x525x274	396x525x274
Net Weight/Gross Weight	kg	10.5/11.5	10.5/11.5	10.5/11.5	12/13
Loading Quantity (40'GP)	sets	1000	1000	1000	1000
Loading Quantity (40'HQ)	sets	1250	1250	1250	1250

Diamond Series



High Loading Quantity

Nearly 1600 sets per 40'HQ saves more space and shipment cost.

Innovative Water Tank Design

The water tank is installed on the back of the body, to present a perfect outlook.



Features: ● Standard ● Optional

Model		GDN08AK-K4MBD1A	GDN10AK-K4MBD1A
Dehumidifying Volume	L/D	8	10
Power Supply	Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	W	200	200
Power Current	A	1.1	1.1
Rate Current	A	1.2	1.3
Airflow Volume	m³/h	100	110
Sound Power Level	dB(A)(H/~L)	43	43
Water Tank Volume	L	1.5/2	1.5/2
Outline Dimension (WxHxD)	mm	250x505x250	250x505x250
Package Dimension (WxHxD)	mm	295x525x290	295x525x290
Net Weight/Gross Weight	kg	10/12.5	10/12.5
Loading Quantity (40'GP)	sets	1280	1280
Loading Quantity (40'HQ)	sets	1598	1598

Sunny Series



Consecutive Drainage Function

Free of the hassle of pouring water away yourself.

5°C Low Temperature Operation

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



Features: ● Standard ● Optional

Model		GDN10AH-K4MBB3A	GDN12AH-K4MBB3A	GDN16AH-K4EBB3A	GDN20AH-K4EBB3A	GDN24AH-K4EBB3A
Dehumidifying Volume	L/D	10	12	16	20	24
Power Supply	Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	W	250	250	330	380	390
Rated Current	A	1.1	1.1	1.4	1.7	1.7
Airflow Volume	m³/h	150	150	170/145/120	150/130/115	190/170/145
Sound Pressure Level	dB(A)	43	43	45	45	47
Water Tank Volume	L	4.2/4.9	4.2/4.9	4.2/4.9	4.2/4.9	4.2/4.9
Outline Dimension (WxHxD)	mm	343x528x262	343x528x262	343x523x262	343x523x262	343x523x262
Package Dimension (WxHxD)	mm	396x555x315	396x555x315	396x555x315	396x555x315	396x555x315
Net Weight/Gross Weight	kg	12/13.5	12/13.5	13.5/15	14.5/16	15/16.5
Loading Quantity (40'GP)	sets	860	860	860	860	860
Loading Quantity (40'HQ)	sets	860	860	860	860	860

Precise Series



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

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



Features: ● Standard ● Optional

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

Air Purifier



HEPA High Efficiency Dedusting Filter • Eliminate 99.97% of dust and almost 100% of cigarette.

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

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



Features: ● Standard ● Optional

Model		GCF300CKNA
Power Supply		1Ph, 220-240V, 50Hz
Function		Filter type
Power Input	W	95
Rated Current	A	0.41
Airflow Volume	m³/h	300
Recommend Area	m²	15
Sound Pressure Level	T/H/L/M	50/44/36/26
CADR	m³/h	180
Outline Dimension (WxHxD)	mm	396x576x245
Package Dimension (WxHxD)	mm	449x635x303
Net Weight/Gross Weight	kg	10/12
Loading Quantity (40'GP)	sets	591
Loading Quantity (40'HQ)	sets	786

Aqua series



- Humidifying Function

Intellectual humidifying function brings you a comfortable feeling.
- Auto Detecting System

The unit detects air quality of environment automatically and the fan adjusts the speed accordingly.

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		GCF220BKNA	GCC240BKNA	GCS260BKNA
POWER SUPPLY		1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
FUNCTION		Filter Type	Filter+Electrostatic	Electrostatic
Power Input	W	55	60	60
Rated Current	A	0.22	0.26	0.26
Airflow Volume	m³/h	220	240	260
Recommend Area	m³	10	14	17
Sound Pressure Level	H/L/M/S	48/45/40/35	48/45/40/35	48/45/40/35
CADR	m³/h	120	160	200
Humidifying Volume	m³/h	350	400	400
Outline Dimension	mm	385x278x608	385x278x608	385x278x608
Package Dimension	mm	433x318x667	433x318x667	433x318x667
Net weight/Gross Weight	kg	11/13	11/13	11/13
Loading Quantity (40'GP)	sets	576	576	576
Loading Quantity (40'HQ)	sets	768	768	768

Console series



- Slim Body and Flexible Installation

• Properly match with various indoor decorations and various buildings, meeting your needs for comfort.

• Installed on the floor or ceiling.
- Floor Heating Function

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

LED Display

Intelligent Defrosting

8 °c Heating

Sleep Curves

Cold Air Prevention

Quiet Design

Timer

Auto Clean

Automatic Operation

'Turbo' Button

Dehumidifying

Low Voltage Startup

Self-diagnosis

I Feel

Healthy Filters

Cold Plasma

Energy Saving



Free Match 3 series



Various Combinations

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

G10 Inverter Technology

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

-15°C Low Temperature Operation

- Operate finely when cooling at -15°C.

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



8 combinations

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

9 combination

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

23 combinations

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

39 combinations

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

97 combinations

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

200 combinations

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



GWHD(42)
NK3AO(2 to 5)

Outdoor Unit

Model			GWHD(18)NK3FO	GWHD(24)NK3FO	GWHD(42)NK3GO	GWHD(28)NK3FO	GWHD(36)NK3BO	GWHD(42)NK3AO
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	17100	23900	24200	27300	10500	12100
	Heating	Btu/h	19100	26272	29000	31750	11000	13000
	Pdesignh		15695	19789	23800	23884	-	-
EER/C.O.P			W/W	5.6/3.8	5.1/3.8	5.1/3.8	5.1/3.8	3.0/3.19
Energy Class			A+/A	A/A	A/A	A/A	A/A	-
Power Supply			Ph,V,Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Power Input	Cooling	W	1550	2460	2250	2490	3030(1300~4600)	3590 (1300-4900)
	Heating	W	1550	2560	2350	2580	5100(1300~4140)	3545 (1300-4400)
Airflow Volume	Outdoor	m³/h	3200	4000	4000	4000	5500	5500
Sound Power Level	Outdoor unit	dB(A)	63	68	68	68	54	54
Piping Connection	Gas	mm	φ6.35	φ6	φ6	φ6	φ16	φ16
	Liquid	mm	φ9.52	φ9.52	φ9.52	φ9.52	φ9.52	φ9.52
Outline Dimension	WxHxD	mm	955x700x396	980x790x427	980x790x427	980x790x427	1015x1103x440	1015x1103x440
Package Dimension	WxHxD	mm	1029x750x458	1083x855x488	1083x855x488	1083x855x488	1158x1235x493	1158x1235x493
Net Weight/Gross Weight			kg	50/55	68/73	69/74	69/74	94/104
Loading Quantity	40'GP	sets	171	96	96	96	48	48
	40'HQ	sets	171	144	144	144	96	96

Free Match Indoor Unit Wall-mounted Type-Cozy

Model			GWHD(07)MA-K3DNA4E/I	GWHD(09)MA-K3DNA4E/I	GWHD(12)MB-K3DNA4E/I	GWHD(18)MC-K3DNA4E/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	7200	8900	11900	18100
	Heating	Btu/h	8900	9600	13000	19800
Airflow Volume			m³/h	450	500	630
Sound Pressure Level dB(A)			dB(A)(SH/H/MH/L)	36/34/31/28/-	37/34/31/28/-	38/34/32/30/-
Outline Dimension	WxHxD	mm	790x265x174	790x265x174	845x275x180	940x298x200
Package Dimension	WxHxD	mm	873x370x251	873x370x251	918x370x258	1013x300x383
Net Weight /Gross Weight			kg	9/12	9/12	10/12.5
Loading Quantity	40'GP	sets	732	732	684	541
	40'HQ	sets	852	852	798	609

Free Match Indoor Unit Wall-mounted Type-Change

Model			GWHD(07)KF-K3DNA6E/I	GWHD(09)KF-K3DNA6E/I	GWHD(12)KF-K3DNA6E/I	GWHD(18)KG-K3DNA6E/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	7200	8900	11900	18100
	Heating	Btu/h	8900	9600	13000	19800
Airflow Volume			m³/h	550	600	680
Sound Pressure Level dB(A)			dB(A)(SH/H/M/L)	40/38/30/24/-	41/38/30/24/-	42/39/31/25/-
Outline Dimension	WxHxD	mm	770x283x201	770x283x201	770x283x201	865x305x215
Package Dimension	WxHxD	mm	855x280x360	855x280x360	855x280x360	948x310x383
Net Weight /Gross Weight			kg	8/11	8/11	9/12.5
Loading Quantity	40'GP	sets	732	732	688	541
	40'HQ	sets	852	852	774	609

Free Match Indoor Unit Wall-mounted Type-Viola

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

Lomo Indoor Unit Wall-mounted Type-Lomo

Model			GWH(07)QB-K3DNA1A/I	GWH(09)QB-K3DNA1A/I	GWH(12)QC-K3DNA1A/I	GWH(18)QD-K3DNA1A/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	7165(2100W)	8871(2600W)	11942(3500W)	18084(5300W)
	Heating	Btu/h	8871(2600W)	9554(2800W)	12966(3800W)	19790(5800W)
	Pdesignh	Btu/h	-	-	-	-
Airflow Volume		m³/h	530	560	660	800
Sound Pressure Level dB (A)		dB(A)(SH/H/M/L)	40/38/32/26	41/38/32/26	42/39/33/27	46/42/39/36
Outline Dimension	WxHxD	mm	790x275x200	790x275x200	845x289x209	970x300x224
Package Dimension	WxHxD	mm	866x367x271	866x367x271	921x379x281	1041x320x383
Net Weight /Gross Weight		kg	8/10	8/10	9.5/11.5	12.5/15.5
Loading Quantity	40' GP	sets	692	692	606	487
	40' HQ	sets	804	804	728	557

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

Model			GWH(07)UA-K3DNA1B/I	GWH(09)UA-K3DNA1B/I	GWH(12)UB-K3DNA1B/I	GWH(18)UC-K3DNA1B/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	7165(2100W)	8871(2600W)	11942(3500W)	18084(5300W)
	Heating	Btu/h	8871(2600W)	9554(2800W)	12966(3800W)	19790(5800W)
	Pdesignh	Btu/h	-	-	-	-
Airflow Volume		m³/h	450	450	560	850
Sound Pressure Level dB (A)		dB(A)(SH/H/M/L)	37/35/30/26	38 /35/30/26	39/37/31/27	44/40/35/31
Outline Dimension	WxHxD	mm	860x299x153	860x299x153	896x159x 320	998x178x340
Package Dimension	WxHxD	mm	944x247x386	944x247x386	973x255 x403	1083x283 x428
Net Weight /Gross Weight		kg	9.5/12.5	9.5/12.5	10/13	14/17
Loading Quantity	40' GP	sets	666	666	597	443
	40' HQ	sets	776	776	662	498

Console Indoor Unit Wall-mounted Type- Console

Model			GEH(09)AA-K3DNA1C/I	GEH(12)AA-K3DNA1C/I	GEH(18)AA-K3DNA1C/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8871(2600W)	11942(3500W)	18084(5300W)
	Heating	Btu/h	9554(2800W)	12966(3800W)	19790(5800W)
	Pdesignh	Btu/h	-	-	-
Airflow Volume		m³/h	500	600	650
Sound Pressure Level dB (A)		dB(A)(SH/H/M/L)	40/38/33 /27	42/40/37 /32	48/46/41 /35
Outline Dimension	WxHxD	mm	700x215x600	700x215x600	700x215x600
Package Dimension	WxHxD	mm	788x697x283	788x697x283	788x697x283
Net Weight /Gross Weight		kg	15/18	15/18	15/18
Loading Quantity	40' GP	sets	381	381	381
	40' HQ	sets	454	454	454

Free Match Indoor Unit Wall-mounted Type-Hansol

Model			GWH(09)TA-K3DNA1E/I	GWH(12)TB-K3DNA1E/I	GWH(18)TC-K3DNA1E/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8530(2500W)	11942(3500W)	18084(5300W)
	Heating	Btu/h	9383(2750W)	12454(3650W)	19107(5600W)
	Pdesignh	Btu/h	-	-	-
Airflow Volume		m³/h	550	770	950
Sound Pressure Level dB (A)		dB(A)(SH/H/M/L)	41/36/32/24	43/36/32/24	49/44/39/33
Outline Dimension	WxHxD	mm	816x292x209	866x292x209	1018X319X230
Package Dimension	WxHxD	mm	888x297x377	945x297x377	1097X340X397
Net Weight /Gross Weight		kg	10.5/13	11/13.5	15/18.5
Loading Quantity	40' GP	sets	591	566	381
	40' HQ	sets	669	640	442

Free Match Indoor Unit Cassette

Model			GKH(12)BA-K3DNA2A/I	GKH(18)BA-K3DNA2A/I	GKH(24)BA-K3DNA1A/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	11942	15354	24230
	Heating	Btu/h	13648	17060	27300
Airflow Volume		m³/h	600	600	1180
Sound Pressure Level dB (A)		dB(A)(SH/H/M/L)	46/42	46/42	39/35
Outline Dimension (main body)	WxHxD	mm	570x230x570	570x230x570	840X240X840
Package Dimension (main body)	WxHxD	mm	851x325x731	851x325x731	963x325x963
Net Weight /Gross Weight		kg	18/23	18/23	30/38
Outline Dimension (panel)	WxHxD	mm	650x50x650	650x50x650	950X60X950
Package Dimension (panel)	WxHxD	mm	733x117x673	733x117x673	1043x130x1028
Net Weight /Gross Weight		kg	2.5/3.5	2.5/3.5	6.5/10
Loading Quantity	40' GP	sets	209	209	108
	40' HQ	sets	246	246	128

Free Match Indoor Unit Duct

Model			GFH(09)EA-K3DNA1A/I	GFH(12)EA-K3DNA1A/I	GFH(18)EA-K3DNA1A/I	GFH(21)EA-K3DNA1A/I	GFH(24)EA-K3DNA1A/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8530	11942	17060	20472	24230
	Heating	Btu/h	9550	13140	18770	22520	27300
Airflow Volume		m³/h	450	500	700	1000	1000
Sound Pressure Level dB (A)		dB(A)(H/L)	37/31	39/32	41/33	42/34	42/34
Outline Dimension (main body)	WxHxD	mm	700x200x615	700x200x615	900x200x615	1100x200x615	1100x200x615
Package Dimension (main body)	WxHxD	mm	893x305x743	893x305x743	1123x305x743	1323x305x743	1323x305x743
Net Weight /Gross Weight		kg	22/27	23/29	27/36	31/41	31/41
Loading Quantity	40' GP	sets	234	234	180	162	162
	40' HQ	sets	234	234	180	162	162

Free Match Indoor Unit Floor Ceiling

Model			GTH(09)BA-K3DNA1A/I	GTH(12)BA-K3DNA1A/I	GTH(18)BA-K3DNA1A/I	GTH(24)BA-K3DNA1A/I
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	8530	11942	17060	24230
	Heating	Btu/h	9550	13140	18770	27300
Airflow Volume		m³/h	650	650	950	1250
Sound Pressure Level dB (A)		dB(A)(H/L)	40/36	40/36	45/40	48/44
Outline Dimension	WxHxD	mm	1220x225x700	1220x225x700	1220x225x700	1220x225x700
Package Dimension	WxHxD	mm	1343x315x823	1343x315x823	1343x315x823	1343x315x823
Net Weight /Gross Weight		kg	40/45	40/45	40/45	45/54
Loading Quantity	40' GP	sets	132	132	132	132
	40' HQ	sets	132	132	132	132

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

Super Free-match



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



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

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

FXB3A-K
FXB5A-K

High efficiency

Intelligent Defrosting

Comprehensive protection

Compact design

Easier maintainability

Inner groove copper

'Turbo' Button

Self-Diagnosis

Low voltage startup

Centralized control

Long-distance monitoring

Wide operation range

Auto Restart

Wide voltage range

Timer

Weekly timer

Lock

- Power supply startup delay design, lower the unit starting current.
- High efficiency thanks to DC inverter compressor.
- The lowest noise thanks to advanced technology.
- The system could run stably under hard operation conditions.
- Connection pipe up to 145 meter length that convenient on installation.
- Stably heating under -15°C environment temperature. (only for the unit CUHD*C10)

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

Outdoor Units and Indoor Units Lineup

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

163 Combinations

	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
 GWHD(42S)NK3CO (2 to 6)	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+9+12+12
	7+24	7+7+12	7+21+24	12+12+18	7+7+7+12	7+9+9+9	9+9+9+12	7+7+7+7+12	7+7+9+12+18	-
	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	-
	9+18	7+7+21	9+9+9	12+18+24	7+7+7+21	7+9+9+18	9+9+9+21	7+7+7+7+21	7+7+12+12+12	-
	9+21	7+7+24	9+9+12	12+18+18	7+7+7+24	7+9+9+21	9+9+9+24	7+7+7+7+24	7+7+12+12+18	-
	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	-
	12+12	7+9+12	9+9+21	12+18+24	7+7+9+12	7+9+12+18	9+9+12+12	7+7+7+9+12	7+9+9+9+12	-
	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	-
	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	-
	12+24	7+9+24	9+12+18	-	7+7+9+24	7+9+12+24	9+9+18+18	7+7+7+9+24	7+9+9+9+24	-
	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	-
	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	-
	18+24	7+12+21	9+18+18	-	7+7+12+18	7+12+12+12	9+12+12+12	7+7+7+12+21	7+12+12+12+12	-
	21+21	7+12+24	9+18+21	-	7+7+12+21	7+12+12+18	12+12+12+12	7+7+9+9+9	9+9+9+9+9	-
	21+24	7+18+18	9+18+24	-	7+7+12+24	7+12+12+21	12+12+12+18	7+7+9+9+12	9+9+9+9+12	-
	24+24	7+18+21	9+21+21	-	7+7+18+18	7+12+12+24	-	7+7+9+9+18	9+9+9+9+18	-

288 Combinations

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

288 Combinations

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

448 Combinations

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

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

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

	Seven units			Eight units		Nine units
 GWHD(56S)NK3CO (2 to 9) GWHD(56S)NM3CO (2 to 9)	7+7+7+7+7+7+7	7+7+7+7+9+9+21	7+7+9+9+9+9+12	7+7+7+7+7+7+7+7	7+7+7+9+9+9+9+9	7+7+7+7+7+7+7+7+7
	7+7+7+7+7+7+9	7+7+7+7+9+9+24	7+7+9+9+9+9+18	7+7+7+7+7+7+7+9	7+7+7+9+9+9+9+12	7+7+7+7+7+7+7+7+9
	7+7+7+7+7+7+12	7+7+7+7+9+12+12	7+7+9+9+9+9+21	7+7+7+7+7+7+7+12	7+7+7+9+9+9+12+12	7+7+7+7+7+7+7+7+12
	7+7+7+7+7+7+18	7+7+7+7+9+12+18	7+7+9+9+9+12+12	7+7+7+7+7+7+7+18	7+7+9+9+9+9+9+9	7+7+7+7+7+7+7+9+9
	7+7+7+7+7+7+21	7+7+7+7+9+12+21	7+7+9+9+9+12+18	7+7+7+7+7+7+7+21	7+7+9+9+9+9+9+12	7+7+7+7+7+7+7+9+12
	7+7+7+7+7+7+24	7+7+7+7+12+12+12	7+7+9+9+12+12+12	7+7+7+7+7+7+9+9	7+9+9+9+9+9+9+9	7+7+7+7+7+7+9+9+9
	7+7+7+7+7+9+9	7+7+7+7+12+12+18	7+7+9+12+12+12+12	7+7+7+7+7+7+9+12	9+9+9+9+9+9+9+9	7+7+7+7+7+7+9+9+12
	7+7+7+7+7+9+12	7+7+7+7+9+9+9+9	7+9+9+9+9+9+9	7+7+7+7+7+9+18	-	7+7+7+7+7+9+9+9+9
	7+7+7+7+7+9+18	7+7+7+9+9+9+12	7+9+9+9+9+9+12	7+7+7+7+7+9+21	-	-
	7+7+7+7+7+9+21	7+7+7+9+9+9+18	7+9+9+9+9+9+18	7+7+7+7+7+12+12	-	-
	7+7+7+7+7+9+24	7+7+7+9+9+9+21	7+9+9+9+9+12+12	7+7+7+7+7+12+18	-	-
	7+7+7+7+7+12+12	7+7+7+9+9+9+24	7+9+9+9+12+12+12	7+7+7+7+7+9+9+9	-	-
	7+7+7+7+7+12+18	7+7+7+9+9+12+12	9+9+9+9+9+9+9	7+7+7+7+7+9+9+12	-	-
	7+7+7+7+7+12+21	7+7+7+9+9+12+18	9+9+9+9+9+9+12	7+7+7+7+7+9+9+18	-	-
	7+7+7+7+7+12+24	7+7+7+9+9+18+18	9+9+9+9+9+9+18	7+7+7+7+7+12+12+12	-	-
	7+7+7+7+7+18+18	7+7+7+9+12+12+12	9+9+9+9+9+9+12	7+7+7+7+7+12+12+18	-	-
	7+7+7+7+7+18+21	7+7+7+9+12+12+18	9+9+9+9+9+9+18	7+7+7+7+7+12+12+21	-	-
	7+7+7+7+7+18+24	7+7+7+9+12+18+18	9+9+9+9+9+9+21	7+7+7+7+7+12+12+24	-	-
7+7+7+7+7+18+27	7+7+7+9+12+18+21	9+9+9+9+9+9+24	7+7+7+7+7+12+12+27	-	-	
7+7+7+7+7+18+30	7+7+7+9+12+18+24	9+9+9+9+9+9+27	7+7+7+7+7+12+12+30	-	-	
7+7+7+7+7+18+33	7+7+7+9+12+18+27	9+9+9+9+9+9+30	7+7+7+7+7+12+12+33	-	-	
7+7+7+7+7+18+36	7+7+7+9+12+18+30	9+9+9+9+9+9+33	7+7+7+7+7+12+12+36	-	-	
7+7+7+7+7+18+39	7+7+7+9+12+18+33	9+9+9+9+9+9+36	7+7+7+7+7+12+12+39	-	-	
7+7+7+7+7+18+42	7+7+7+9+12+18+36	9+9+9+9+9+9+39	7+7+7+7+7+12+12+42	-	-	
7+7+7+7+7+18+45	7+7+7+9+12+18+39	9+9+9+9+9+9+42	7+7+7+7+7+12+12+45	-	-	
7+7+7+7+7+18+48	7+7+7+9+12+18+42	9+9+9+9+9+9+45	7+7+7+7+7+12+12+48	-	-	
7+7+7+7+7+18+51	7+7+7+9+12+18+45	9+9+9+9+9+9+48	7+7+7+7+7+12+12+51	-	-	
7+7+7+7+7+18+54	7+7+7+9+12+18+48	9+9+9+9+9+9+51	7+7+7+7+7+12+12+54	-	-	
7+7+7+7+7+18+57	7+7+7+9+12+18+51	9+9+9+9+9+9+54	7+7+7+7+7+12+12+57	-	-	
7+7+7+7+7+18+60	7+7+7+9+12+18+54	9+9+9+9+9+9+57	7+7+7+7+7+12+12+60	-	-	
7+7+7+7+7+18+63	7+7+7+9+12+18+57	9+9+9+9+9+9+60	7+7+7+7+7+12+12+63	-	-	
7+7+7+7+7+18+66	7+7+7+9+12+18+60	9+9+9+9+9+9+63	7+7+7+7+7+12+12+66	-	-	
7+7+7+7+7+18+69	7+7+7+9+12+18+63	9+9+9+9+9+9+66	7+7+7+7+7+12+12+69	-	-	
7+7+7+7+7+18+72	7+7+7+9+12+18+66	9+9+9+9+9+9+69	7+7+7+7+7+12+12+72	-	-	
7+7+7+7+7+18+75	7+7+7+9+12+18+69	9+9+9+9+9+9+72	7+7+7+7+7+12+12+75	-	-	
7+7+7+7+7+18+78	7+7+7+9+12+18+72	9+9+9+9+9+9+75	7+7+7+7+7+12+12+78	-	-	
7+7+7+7+7+18+81	7+7+7+9+12+18+75	9+9+9+9+9+9+78	7+7+7+7+7+12+12+81	-	-	
7+7+7+7+7+18+84	7+7+7+9+12+18+78	9+9+9+9+9+9+81	7+7+7+7+7+12+12+84	-	-	
7+7+7+7+7+18+87	7+7+7+9+12+18+81	9+9+9+9+9+9+84	7+7+7+7+7+12+12+87	-	-	
7+7+7+7+7+18+90	7+7+7+9+12+18+84	9+9+9+9+9+9+87	7+7+7+7+7+12+12+90	-	-	
7+7+7+7+7+18+93	7+7+7+9+12+18+87	9+9+9+9+9+9+90	7+7+7+7+7+12+12+93	-	-	
7+7+7+7+7+18+96	7+7+7+9+12+18+90	9+9+9+9+9+9+93	7+7+7+7+7+12+12+96	-	-	
7+7+7+7+7+18+99	7+7+7+9+12+18+93	9+9+9+9+9+9+96	7+7+7+7+7+12+12+99	-	-	
7+7+7+7+7+18+102	7+7+7+9+12+18+96	9+9+9+9+9+9+99	7+7+7+7+7+12+12+102	-	-	
7+7+7+7+7+18+105	7+7+7+9+12+18+99	9+9+9+9+9+9+102	7+7+7+7+7+12+12+105	-	-	
7+7+7+7+7+18+108	7+7+7+9+12+18+102	9+9+9+9+9+9+105	7+7+7+7+7+12+12+108	-	-	
7+7+7+7+7+18+111	7+7+7+9+12+18+105	9+9+9+9+9+9+108	7+7+7+7+7+12+12+111	-	-	
7+7+7+7+7+18+114	7+7+7+9+12+18+108	9+9+9+9+9+9+111	7+7+7+7+7+12+12+114	-	-	
7+7+7+7+7+18+117	7+7+7+9+12+18+111	9+9+9+9+9+9+114	7+7+7+7+7+12+12+117	-	-	
7+7+7+7+7+18+120	7+7+7+9+12+18+114	9+9+9+9+9+9+117	7+7+7+7+7+12+12+120	-	-	
7+7+7+7+7+18+123	7+7+7+9+12+18+117	9+9+9+9+9+9+120	7+7+7+7+7+12+12+123	-	-	
7+7+7+7+7+18+126	7+7+7+9+12+18+120	9+9+9+9+9+9+123	7+7+7+7+7+12+12+126	-	-	
7+7+7+7+7+18+129	7+7+7+9+12+18+123	9+9+9+9+9+9+126	7+7+7+7+7+12+12+129	-	-	
7+7+7+7+7+18+132	7+7+7+9+12+18+126	9+9+9+9+9+9+129	7+7+7+7+7+12+12+132	-	-	
7+7+7+7+7+18+135	7+7+7+9+12+18+129	9+9+9+9+9+9+132	7+7+7+7+7+12+12+135	-	-	
7+7+7+7+7+18+138	7+7+7+9+12+18+132	9+9+9+9+9+9+135	7+7+7+7+7+12+12+138	-	-	
7+7+7+7+7+18+141	7+7+7+9+12+18+135	9+9+9+9+9+9+138	7+7+7+7+7+12+12+141	-	-	
7+7+7+7+7+18+144	7+7+7+9+12+18+138	9+9+9+9+9+9+141	7+7+7+7+7+12+12+144	-	-	
7+7+7+7+7+18+147	7+7+7+9+12+18+141	9+9+9+9+9+9+144	7+7+7+7+7+12+12+147	-	-	
7+7+7+7+7+18+150	7+7+7+9+12+18+144	9+9+9+9+9+9+147	7+7+7+7+7+12+12+150	-	-	
7+7+7+7+7+18+153	7+7+7+9+12+18+147	9+9+9+9+9+9+150	7+7+7+7+7+12+12+153	-	-	
7+7+7+7+7+18+156	7+7+7+9+12+18+150	9+9+9+9+9+9+153	7+7+7+7+7+12+12+156	-	-	
7+7+7+7+7+18+159	7+7+7+9+12+18+153	9+9+9+9+9+9+156	7+7+7+7+7+12+12+159	-	-	
7+7+7+7+7+18+162	7+7+7+9+12+18+156	9+9+9+9+9+9+159	7+7+7+7+7+12+12+162	-	-	
7+7+7+7+7+18+165	7+7+7+9+12+18+159	9+9+9+9+9+9+162	7+7+7+7+7+12+12+165	-	-	
7+7+7+7+7+18+168	7+7+7+9+12+18+162	9+9+9+9+9+9+165	7+7+7+7+7+12+12+168	-	-	
7+7+7+7+7+18+171	7+7+7+9+12+18+165	9+9+9+9+9+9+168	7+7+7+7+7+12+12+171	-	-	
7+7+7+7+7+18+174	7+7+7+9+12+18+168	9+9+9+9+9+9+171	7+7+7+7+7+12+12+174	-	-	
7+7+7+7+7+18+177	7+7+7+9+12+18+171	9+9+9+9+9+9+174	7+7+7+7+7+12+12+177	-	-	
7+7+7+7+7+18+180	7+7+7+9+12+18+174	9+9+9+9+9+9+177	7+7+7+7+7+12+12+180	-	-	
7+7+7+7+7+18+183	7+7+7+9+12+18+177	9+9+9+9+9+9+180	7+7+7+7+7+12+12+183	-	-	
7+7+7+7+7+18+186	7+7+7+9+12+18+180	9+9+9+9+9+9+183	7+7+7+7+7+12+12+186	-	-	
7+7+7+7+7+18+189	7+7+7+9+12+18+183	9+9+9+9+9+9+186	7+7+7+7+7+12+12+189	-	-	
7+7+7+7+7+18+192	7+7+7+9+12+18+186	9+9+9+9+9+9+189	7+7+7+7+7+12+12+192	-	-	
7+7+7+7+7+18+195	7+7+7+9+12+18+189	9+9+9+9+9+9+192	7+7+7+7+7+12+12+195	-	-	
7+7+7+7+7+18+198	7+7+7+9+12+18+192	9+9+9+9+9+9+195	7+7+7+7+7+12+12+198	-	-	
7+7+7+7+7+18+201	7+7+7+9+12+18+195	9+9+9+9+9+9+198	7+7+7+7+7+12+12+201	-	-	
7+7+7+7+7+18+204	7+7+7+9+12+18+198	9+9+9+9+9+9+201	7+7+7+7+7+12+12+204	-	-	
7+7+7+7+7+18+207	7+7+7+9+12+18+201	9+9+9+9+9+9+204	7+7+7+7+7+12+12+207	-	-	
7+7+7+7+7+18+210	7+7+7+9+12+18+204	9+9+9+9+9+9+207	7+7+7+7+7+12+12+210	-	-	
7+7+7+7+7+18+213	7+7+7+9+12+18+207	9+9+9+9+9+9+210	7+7+7+7+7+12+12+213	-	-	
7+7+7+7+7+18+216	7+7+7+9+12+18+210	9+9+9+9+9+9+213	7+7+7+7+7+12+12+216	-	-	
7+7+7+7+7+18+219	7+7+7+9+12+18+213	9+9+9+9+9+9+216	7+7+7+7+7+12+12+219	-	-	
7+7+7+7+7+18+222	7+7+7+9+12+18+216	9+9+9+9+9+9+219	7+7+7+7+7+12+12+222	-	-	
7+7+7+7+7+18+225	7+7+7+9+12+18+219	9+9+9+9+9+9+222	7+7+7+7+7+12+12+225	-	-	
7+7+7+7+7+18+228	7+7+7+9+12+18+222	9+9+9+9+9+9+225	7+7+7+7+7+12+12+228	-	-	
7+7+7+7+7+18+231	7+7+7+9+12+18+225	9+9+9+9+9+9+228	7+7+7+7+7+12+12+231	-	-	
7+7+7+7+7+18+234	7+7+7+9+12+18+228	9+9+9+9+9+9+231	7+7+7+7+7+12+12+234	-	-	
7+7+7+7+7+18+237	7+7+7+9+12+18+231	9+9+9+9+9+9+234	7+7+7+7+7+12+12+237	-	-	
7+7+7+7+7+18+240	7+7+7+9+12+18+234	9+9+9+9+9+9+237	7+7+7+7+7+12+12+240	-	-	
7+7+7+7+7+18+243	7+7+7+9+12+18+237	9+9+9+9+9+9+240	7+7+7+7+7+12+12+243	-	-	
7+7+7+7+7+18+246	7+7+7+9+12+18+240	9+9+9+9+9+9+243	7+7+7+7+7+12+12+246	-	-	
7+7+7+7+7+18+249	7+7+7+9+12+18+243	9+9+9+9+9+9+246	7+7+7+7+7+12+12+249	-	-	
7+7+7+7+7+18+252	7+7+7+9+12+18+246	9+9+9+9+9+9+249	7+7+7+7+7+12+12+252	-	-	
7+7+7+7+7+18+255	7+7+7+9+12+18+249	9+9+9+9+9+9+252	7+7+7+7+7+12+12+255	-	-	
7+7+7+7+7+18+258	7+7+7+9+12+18+252	9+9+9+9+9+9+255	7+7+7+7+7+12+12+258	-	-	
7+7+7+7+7+18+261	7+7+7+9+12+18+255	9+9+9+9+9+9+258	7+7+7+7+7+12+12+261	-	-	
7+7+7+7+7+18+264	7+7+7+9+12+18+258	9+9+9+9+9+9+261	7+7+7+7+7+12+12+264	-	-	
7+7+7+7+7+18+267	7+7+7+9+12+18+261	9+9+9+9+9+9+264	7+7+7+7+7+12+12+267	-	-	
7+7+7+7+7+18+270	7+7+7+9+12+18+264	9+9+9+9+9+9+267	7+7+7+7+7+12+12+270	-	-	
7+7+7+7+7+18+273	7+7+7+9+12+18+267	9+9+9+9+9+9+270	7+7+7+7+7+12+12+273	-	-	
7+7+7+7+7+18+276	7+7+7+9+12+18+270	9+9+9+9+9+9+273	7+7+7+7+7+12+12+276	-	-	
7+7+7+7+7+18+279	7+7+7+9+12+18+273	9+9+9+9+9+9+276	7+7+7+7+7+12+12+279	-	-	
7+7+7+7+7+18+282	7+7+7+9+12+18+276	9+9+9+9+9+9+279	7+7+7+7+7+12+12+282	-	-	
7+7+7+7+7+18+285	7+7+7+9+12+18+279	9+9+9+9+9+9+282	7+7+7+7+7+12+12+285	-	-	
7+7+7+7+7+18+288	7+7+7+9+12+18+282	9+9+9+9+9+9+285	7+7+7+7+7+12+12+288	-	-	
7+7+7+7+7+18+291	7+7+7+9+12+18+285	9+9+9+9+9+9+288	7+7+7+7+7+12+12+291	-	-	
7+7+7+7+7+18+294	7+7+7+9+12+18+288	9+9+9+9+9+9+291	7+7+7+7+7+12+12+294	-	-	
7+7+7+7+7+18+297	7+7+7+9+12+18+291	9+9+9+9+9+9+294	7+7+7+7+7+12+12+297	-	-	
7+7+7+7+7+18+300	7+7+7+9+12+18+294	9+9+9+9+9+9+297	7+7+7+7+7+12+12+300	-	-	
7+7+7+7+7+18+303	7+7+7+9+12+18+297	9+9+9+9+9+9+300	7+7+7+7+7+12+12+303	-	-	
7+7+7+7+7+18+306	7+7+7+9+12+18+300	9+9+9+9+9+9+303	7+7+7+7+7+12+12+306	-	-	
7+7+7+7+7+18+309	7+7+7+9+12+18+303	9+9+9+9+9+9+306	7+7+7+7+7+12+12+309	-	-	
7+7+7+7+7+18+312	7+7+7+9+12+18+306	9+9+9+9+9+9+309	7+7+7+7+7+12+12+312	-	-	
7+7+7+7+7+18+315	7+7+7+9+12+18+309	9+9+9+9+9+9+312	7+7+7+7+7+12+12+315	-	-	
7+7+7+7+7+18+318	7+7+7+9+12+18+312	9+9+9+9+9+9+315	7+7+7+7+7+12+12+318	-	-	
7+7+7+7+7+18+321	7+7+7+9+12+18+315	9+9+9+9+9+9+318	7+7+7+7+7+12+12+321	-	-	
7+7+7+7+7+18+324	7+7+7+9+12+18+318	9+9+9+9+9+9+321	7+7+7+7+7+12+12+324	-	-	
7+7+7+7+7+18+327	7+7+7+9+12+18+321	9+9+9+9+9+9+324	7+7+7+7+7+12+12+327	-	-	
7+7+7+7+7+18+330	7+7+7+9+12+18+324	9+9+9+9+9+9+327	7+7+7+7+7+12+12+330	-	-	
7+7+7+7+7+18+333	7+7+7+9+12+18+327	9+9+9+9+9+9+330	7+7+7+7+7+12+12+333	-	-	
7+7+7+7+7+18+336	7+7+7+9+12+18+33					

BU Module

Model			FXA2A-K	FXA2B-K	FXA3A-K	FXA3B-K	FXB5A-K	FXB5A-K
Fuse current		A	3.15	3.15	3.15	3.15	3.15	3.15
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	3Ph,380-415V,50Hz	3Ph,380-415V,50Hz
Sound pressure level		dB(A)	28	28	28	28	30	30
Sound Power Level		dB(A)	38	38	38	38	40	40
Dimension(WxDxH)	Outline	mm	532x313x182	532x313x182	532x313x182	532x313x182	617x410x193	617x410x193
	Package	mm	683x392x270	683x392x270	683x392x270	683x392x270	676x473x275	676x473x275
Connection Method		—	Flare	Braze	Flare	Braze	Flare	Flare
Net weight/Gross weight		kg	5.5/7.5	5.5/7.5	6/8	6/8	8/10	9/11
Connecting pipe diameter (to IDU)	Gas	inch(mm)	3/8(9.52)	5/8(15.9)	3/8(9.52)	5/8(15.9)	3/8(9.52)	3/8(9.52)
	Liquid	inch(mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)
Connecting pipe diameter (to ODU)	Gas	inch(mm)	5/8(15.9)	3/4(19.05)	5/8(15.9)	3/4(19.05)	5/8(15.9)	5/8(15.9)
	Liquid	inch(mm)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)
Maximum connect IDU NO.		unit	2	2	3	3	3	5
Loading quantity	40'GP	set	386	386	386	386	322	322
	40'HQ	set	386	386	386	386	322	322
Max. Equivalent Connection Pipe Length (BU unit to Last Indoor)		m	15	15	15	15	15	15

Wall Mounted Indoor Unit
U-Cool

Model			GWH(07)UA-K3DNA1B/I	GWH(09)UA-K3DNA1B/I	GWH(12)UB-K3DNA1B/I	GWH(18)UC-K3DNA1B/I
Capacity	Cooling	BTU/h	7167	8874	11946	18089
	Heating	BTU/h	8874	9556	12969	19795
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow volume		m³/h	450	450	560	850
		CFM	265	265	329	500
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	37/35/32/30/28/26/24	38/34/32/29/27/25/22	39/36/34/31/29/27/23	44/40/37/35/33/31/28
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)	φ1/2(12.7)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	860X153X299	860X153X299	896X159X320	998X178X340
	Package	mm	944X247X386	944X247X386	973X255X403	1083X283X428
Net weight/Gross weight		kg	9.5/12.5	9.5/12.5	11.5/14.5	15/19
Loading quantity	20' GP	set	324	324	279	216
	40' GP/40' HQ	set	666/740	666/740	585/650	440/495

Cozy

Model			GWH(07)MA-K3DNA3E/I	GWH(09)MA-K3DNA3E/I	GWH(12)MB-K3DNA3E/I	GWH(18)MC-K3DNA3E/I
Capacity	Cooling	BTU/h	7167	8874	11946	18089
	Heating	BTU/h	8874	9556	12969	19795
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow volume		m³/h	450	500	630	850
		CFM	265	294	371	500
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	36/34/31/28/-	37/34/31/28/-	38/34/32/30/-	46/43/40/36/-
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)	φ1/2(12.7)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	790X170X265	790X170X265	845X180X275	940X200X298
	Package	mm	873X251X370	873X251X370	918X258X370	1013X288X395
Net weight/Gross weight		kg	9/11	9/11	10/12.5	13/16
Loading quantity	20' GP	set	348	348	336	254
	40' GP/40' HQ	set	732/852	732/852	684/798	541/609

Change

Model			GWH(07)KF-K3DNA6E/I	GWH(09)KF-K3DNA6E/I	GWH(12)KF-K3DNA6E/I	GWH(18)KG-K3DNA6E/I
Capacity	Cooling	BTU/h	7167	8874	11946	18089
	Heating	BTU/h	8874	9556	12969	19795
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow volume		m³/h	550	600	680	800
		CFM	324	353	400	471
Sound pressure level (SH/H/MM/M/ML/L/SL)		dB(A)	40/38/30/24/-	41/38/30/24/-	42/39/31/25/-	45/40/37/32/-
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ3/8(9.52)	φ1/2(12.7)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	700X201X283	770X201X283	770X201X283	865X215X305
	Package	mm	847X264X357	847X264X357	847X264X357	948X298X395
Net weight/Gross weight		kg	8/10	8/10	9/11	12/15
Loading quantity	20'GP	set	336	336	336	264
	40' GP/40' HQ	set	696/783	696/783	696/783	542/616

Viola

Model			GWH(07)RA-K3DNA3E/I	GWH(09)RA-K3DNA3E/I	GWH(12)RB-K3DNA3E/I	GWH(18)RC-K3DNA3E/I	GWH(24)RC-K3DNA3E/I
Capacity	Cooling	BTU/h	7167	8874	11946	18089	22014
	Heating	BTU/h	8874	9556	12969	19795	24232
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow volume		m³/h	500	500	630	850	1000
		CFM	294	294	371	500	588
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	40/37/35/32/-	40/37/35/32/-	42/39/36/33/-	45/42/37/33/-	48/46/44/42/-
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)			
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)			
Dimension(WxHxD)	Outline	mm	794X186X265	794X186X265	848X189X274	945X208X298	1018X223X315
	Package	mm	873X270X353	873X270X353	926X279X359	1013X300X383	1086X328X398
Net weight/Gross weight		kg	9/11.5	9/11.5	10/12.5	13/16	15.5/20.5
Loading quantity	20'GP	set	366	366			
	40' GP/40' HQ	set	756/840	756/840	636/742	541/609	366/427

Duct Type Indoor Unit

Model			GFH(09)EA-K3DNA1A/I	GFH(12)EA-K3DNA1A/I	GFH(18)EA-K3DNA1A/I	GFH(21)EA-K3DNA1A/I	GFH(24)EA-K3DNA1A/I
Capacity	Cooling	BTU/h	8533	11946	17065	20478	24232
	Heating	BTU/h	9556	13140	18772	22526	27304
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow volume		m³/h	450	550	700	1000	1000
		CFM	265	324	412	588	588
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	37/31	39/32	41/33	42/34	42/34
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ1/2(12.7)	φ5/8(15.9)	φ5/8(15.9)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)	φ3/8(9.52)	φ3/8(9.52)
Dimension(WxHxD)	Outline	mm	700X200X615	700X200X615	900X200X615	1100X200X615	1100X200X615
	Package	mm	893X305X743	893X305X743	1123X305X743	1323X305X743	1323X305X743
Net weight/Gross weight		kg	22/27	23/29	27/36	31/41	31/41
Loading quantity	20' GP	set	108	108	90	72	72
	40' GP/40' HQ	set	234/234	234/234	180/180	162/162	162/162

Cassette Type Indoor Unit

Model			GKH(12)BA-K3DNA2A/I	GKH(18)BA-K3DNA2A/I	GKH(12)BA-K3DNA1A/I	GKH(18)BA-K3DNA1A/I	GKH(24)BA-K3DNA1A/I
Capacity	Cooling	BTU/h	11946	15359	11946	17065	24232
	Heating	BTU/h	13652	17065	13140	18772	27304
Power supply		Ph/V/Hz	1Ph,220-240V/50Hz	1Ph,220-240V/50Hz	1Ph,220-240V/50Hz	1Ph,220-240V/50Hz	1Ph,220-240V/50Hz
Airflow volume		m³/h	600	600	680	680	1180
		CFM	353	353	400	400	694
Sound pressure level (SH/H/MH/M/ML/L/SL)		dB(A)	46/42	46/42	37/33	37/33	39/35
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ1/2(12.7)	φ3/8(9.52)	φ1/2(12.7)	φ5/8(15.9)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)	φ3/8(9.52)
Main Body	Dimension (WxHxD)	Outline	mm	570x230x570	570x230x570	840x190x840	840x190x840
		Package	mm	851x325x731	851x325x731	960x273x963	960x273x963
	Net weight/Gross weight		kg	18/23	18/23	25/33	28/35
Panel	Dimension (WxHxD)	Outline	mm	650x50x650	650x50x650	950x60x950	950x60x950
		Package	mm	733x117x673	733x117x673	1043x130x1028	1043x130x1028
	Net weight/Gross weight		kg	2.5/3.5	2.5/3.5	6.5/10	6.5/10
Loading quantity		40' GP/40' HQ	set	209/246	209/246	128/144	128/144

Floor Ceiling Type Indoor Unit

Model			GTH(09)BA-K3DNA1A/I	GTH(12)BA-K3DNA1A/I	GTH(18)BA-K3DNA1A/I	GTH(24)BA-K3DNA1A/I
Capacity	Cooling	BTU/h	8533	11946	17065	24232
	Heating	BTU/h	9556	13140	18772	27304
Power supply			PhV/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow volume		m³/h	650	650	950	1250
		CFM	382	382	559	735
Sound pressure level (SH/H/MH/M/MLU/SL)			dB(A)	40/36	45/40	48/44
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ1/2(12.7)	φ5/8(15.9)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)	φ3/8(9.52)
Dimension(WxHxD)	Outline	mm	1220X700X225	1220X700X225	1220X700X225	1220X700X225
	Package	mm	1343X823X315	1343X823X315	1343X823X315	1343X823X315
Net weight/Gross weight			kg	40/50	40/50	40/50
Loading quantity	20'GP	set	66	66	66	66
	40' GP/40' HQ	set	132/132	132/132	132/132	132/132

Console Type Indoor Unit

Model			GEH(09)AA-K3DNA1C/I	GEH(12)AA-K3DNA1C/I	GEH(18)AA-K3DNA1C/I
Capacity	Cooling	BTU/h	8874	11946	18089
	Heating	BTU/h	9556	12969	19795
Power supply			PhV/Hz	1Ph,220-240V,50Hz	1Ph,220-240V,50Hz
Airflow volume		m³/h	650	750	840
		CFM	382.3529412	441	494
Sound pressure level (SH/H/MH/M/MLU/SL)			dB(A)	40/38/36/33/30/27/25	42/40/38/37/35/32/25
Connecting pipe	Gas	inch(mm)	φ3/8(9.52)	φ3/8(9.52)	φ1/2(12.7)
	Liquid	inch(mm)	φ1/4(6.35)	φ1/4(6.35)	φ1/4(6.35)
Dimension(WxHxD)	Outline	mm	700X600X215	700X600X215	700X600X215
	Package	mm	791X710X286	791X710X286	791X710X286
Net weight/Gross weight			kg	15/18	15/18
Loading quantity	20'GP	set	168	168	168
	40' GP/40' HQ	set	348/440	348/440	348/440

Control System Lineup

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

Note:

● means standard, ○ means optional.

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

Light Commercial

U-Match



Super Inverter Series

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



Built-in drain pump



High efficiency



Intelligent defrosting



Anti-cold function



Comprehensive protection



Compact design



Easier maintainability

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



Indoor Unit

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

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

Units Lineup

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

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

Model	Outdoor unit			GUHD09NK3FO			GUHD12NK3FO		
	Indoor unit			Duct	Floor Ceiling	Duct	Cassette	Floor Ceiling	
				GFH09K3FI	GTH09K3FI	GFH12K3FI	GKH12K3FI	GTH12K3FI	
Capacity	Cooling	W	2700	2700	3500	3500	3500		
		Btu/h	9212	9212	11942	11942	11942		
	Heating	W	2900	2900	3800	3800	3800		
		Btu/h	9895	9895	12966	12966	12966		
SEER/SCOP		W/W	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8		
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz			1Ph,220-240V,50Hz			
Power input	Cooling	kW	0.84	0.84	1.17	1.09	1.09		
	Heating	kW	0.80	0.80	1.05	1.05	1.05		
Current input	Cooling	A	3.9	3.9	5.4	5.0	5.0		
	Heating	A	3.7	3.7	4.9	4.9	4.9		
Refrigerant charge volume		kg	1.2	1.2	1.2	1.2	1.2		
Indoor unit	Air flow volume(H/M/L)		CFM	383	353	441	412	412	
			m³/h	650	600	750	700	700	
	ESP	Rated	Pa	25	—	25	—	—	
		Range	Pa	0-30	—	0-30	—	—	
	Sound pressure level (H/M/L)		dB(A)	36/34/28/26	31/29/26/24	37/36/34/28	46/45/41/36	35/33/30/27	
	Dimension (WxDxH)	Outline	mm	883x665x250	1220x700x225	998x721x266	596x596x240	1220x700x225	
		Package	mm	1023x748x320	1343x823x315	1123x798x323	773x733x300	1343x823x315	
Panel	Net weight/Gross weight		kg	27/32	38/45	33/38	20/24	39/46	
	Dimension (WxDxH)	Outline	mm	—	—	—	650x650x50	—	
		Package	mm	—	—	—	763x763x105	—	
	Net weight/Gross weight		kg	—	—	—	3.5/5.0	—	
Outdoor unit	Sound pressure level		dB(A)	52			52		
	Dimension (WxDxH)	Outline	mm	848x320x540			848x320x540		
		Package	mm	881x363x595			881x363x595		
	Net weight/Gross weight		kg	34/37			34/37		
Connection pipe	Outer diameter	Liquid	inch	φ1/4			φ1/4		
		Gas	inch	φ3/8			φ3/8		
	Max.distance	Height/Length	m	15/20			15/20		
Loading quantity	40'GP/40'HQ	—	126/141	96/112	114/131	127/138	96/112		

Model	Outdoor unit		GUHD18NK3FO			GUHD24NK3FO			
	Indoor unit		Duct GFH18K3FI	Cassette GKH18K3FI	Floor Ceiling GTH18K3FI	Duct GFH24K3FI	Cassette GKH24K3FI	Floor Ceiling GTH24K3FI	
Capacity	Cooling	W	5000	5000	5000	7000	7000	7000	
		Btu/h	17060	17060	17060	23884	23884	23884	
	Heating	W	5600	5500	5600	8000	8000	8000	
		Btu/h	19107	18766	19107	27296	27296	27296	
SEER/SCOP		W/W	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	
Power supply		Ph/V/Hz	1Ph,220-240V,50Hz			1Ph,220-240V,50Hz			
Power input	Cooling	kW	1.60	1.55	1.55	2.18	2.18	2.18	
	Heating	kW	1.58	1.64	1.55	2.21	2.21	2.21	
Current input	Cooling	A	7.5	7.2	7.2	10.1	10.1	10.1	
	Heating	A	7.4	7.6	7.2	10.2	10.2	10.2	
Refrigerant charge volume		kg	1.4	1.4	1.4	2.2	2.2	2.2	
Indoor unit	Air flow volume(H/M/L)		CFM	589	447	589	824	765	
			m³/h	1000	760	1000	1400	1300	
	ESP	Rated	Pa	25	—	—	—	—	
		Range	Pa	0-30	—	—	0-100	—	
	Sound pressure level (H/M/L)		dB(A)	40/39/36/28	47/46/44/37	44/42/38/32	47/46/44/40	47/46/42/38	
	Dimension (WxDxH)		mm	998x721x266	596x596x240	1220x700x225	1239x558x268	840x840x240	
Dimension (WxDxH)	Package	mm	1123x798x323	773x733x300	1343x823x315	1348x597x283	963x963x325		
	Net weight/Gross weight		kg	33/38	20/24	39/46	34/39	26/32	
Panel	Dimension (WxDxH)	Outline	mm	—	650x650x50	—	—	950x950x60	
		Package	mm	—	763x763x105	—	—	1028x1043x130	
	Net weight/Gross weight		kg	—	3.5/5.0	—	—	7.0/11	
	Sound pressure level		dB(A)	56			57		
Outdoor unit	Dimension (WxDxH)	Outline	mm	955x396x700			980x427x790		
		Package	mm	1029x458x750			1083x488x855		
	Net weight/Gross weight		kg	47/50			67/72		
Connection pipe	Outer diameter	Liquid	inch	φ1/4			φ3/8		
		Gas	inch	φ1/2			φ5/8		
	Max distance		Height/Length	m	15/20			15/30	
Loading quantity	40'GP/40'HQ		—	93/95	95/105	89/97	76/89	64/71	70/86

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

Model	Outdoor unit			GUHD36NM3FO			GUHD42NK3FO		
	Indoor unit			Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH36K3FI	GKH36K3FI	GTH36K3FI	GFH42K3FI	GKH42K3FI	GTH42K3FI
Capacity	Cooling	W	10000	10000	10000	11500	11000	11500	
		Btu/h	34120	34120	34120	39238	37532	39238	
	Heating	W	12000	12000	12000	13500	12500	13500	
		Btu/h	40944	40944	40944	46062	42650	46062	
SEER/SCOP			W/W	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	
Power supply			Ph/V/Hz	3Ph,380-415V,50Hz			1Ph,220-240V,50Hz		
Power input	Cooling	kW	3.12	33.12	3.12	4.00	3.90	3.90	
	Heating	kW	3.32	3.32	3.32	3.90	3.80	3.70	
Current input	Cooling	A	5.6	5.6	5.6	18.6	18.1	18.1	
	Heating	A	5.8	5.8	5.8	18.1	17.6	17.2	
Refrigerant charge volume			kg	3.5	3.5	3.5	3.7	3.7	
Indoor unit	Air flow volume(H/M/L)		CFM	1236	1095	1118	1236	1095	1118
			m³/h	2100	1860	1900	2100	1860	1900
	ESP	Rated	Pa	37	—	—	37	—	—
		Range	Pa	0-150	—	—	0-150	—	—
	Sound pressure level (H/M/L)		dB(A)	53/52/48/44	51/49/46/43	54/53/51/46	53/52/48/44	51/49/46/43	55/54/52/47
	Dimension (WxDxH)	Outline	mm	1226x775x290	840x840x320	1420x700x245	1226x775x290	840x840x320	1420x700x245
Package		mm	1338x877x305	963x963x409	1548x828x345	1338x877x305	963x963x409	1548x828x345	
Panel	Net weight/Gross weight		kg	46/53	31/38	48/56	46/53	31/38	50/58
	Dimension (WxDxH)	Outline	mm	—	950x950x60	—	—	950x950x60	—
		Package	mm	—	1028x1043x130	—	—	1028x1043x130	—
	Net weight/Gross weight		kg	—	7.0/11	—	—	7.0/11	—
Outdoor unit	Sound pressure level		dB(A)	63			61		
	Dimension (WxDxH)	Outline	mm	1107x440x1100			958x412x1349		
		Package	mm	1158x493x1235			1043x453x1500		
	Net weight/Gross weight		kg	95/103			95/105		
Connection pipe	Outer diameter	Liquid	inch	φ3/8			φ3/8		
		Gas	inch	φ5/8			φ5/8		
	Max.distance		Height/Length	m	15/50			30/50	
Loading quantity		40'GP/40'HQ	—	45/60	43/50	45/56	52/58	45/48	43/47

Model	Outdoor unit			GUHD42NM3FO			GUHD48NK3FO		
	Indoor unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling	
			GFH42K3FI	GKH42K3FI	GTH42K3F	GFH48K3FI	GKH48K3FI	GTH48K3FI	
Capacity	Cooling	W	11500	11000	11500	14000	14000	14000	
		Btu/h	39238	37532	39238	47768	47768	47768	
	Heating	W	13500	12500	13500	15500	16000	16000	
		Btu/h	46062	42650	46062	52886	54592	54592	
SEER/SCOP		W/W	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	
Power supply		Ph/V/Hz	3Ph, 380-415V,50Hz			3Ph,380-415V,50Hz			
Power input	Cooling	kW	3.90	3.80	3.80	4.70	4.60	4.80	
	Heating	kW	3.74	3.60	3.74	4.40	4.50	4.30	
Current input	Cooling	A	7.0	6.8	6.8	21.8	21.3	22.3	
	Heating	A	6.6	6.4	6.6	20.4	20.8	20.0	
Refrigerant charge volume		kg	3.7	3.7	3.7	4.0	4.0	4.0	
Indoor unit	Air flow volume(H/M/L)		CFM	1236	1095	1118	1412	1354	1354
			m³/h	2100	1860	1900	2400	2300	2300
	ESP	Rated	Pa	37	—	—	50	—	—
		Range	Pa	0-150	—	—	0-150	—	—
	Sound pressure level (H/M/L)		dB(A)	53/52/48/44	51/49/46/43	55/54/52/47	55/53/49/45	53/52/47/41	57/55/50/46
	Dimension (WxDxH)	Outline	mm	1226x775x290	840x840x320	1420x700x245	1340x750x350	910x910x290	1700x700x245
		Package	mm	1338x877x305	963x963x409	1548x828x345	1423x837x455	1023x993x375	1828x828x345
	Net weight/Gross weight		kg	46/53	31/38	50/58	56/65	43/50	59/68
Panel	Dimension (WxDxH)	Outline	mm	—	950x950x60	—	—	1040x1040x65	—
	Package	mm	—	1028x1043x130	—	—	1137x1137x140	—	
		kg	—	7.0/11	—	—	8.0/12	—	
Outdoor unit	Sound pressure level		dB(A)	61			59		
	Dimension (WxDxH)	Outline	mm	958x412x1349			958x412x1349		
		Package	mm	1043x453x1500			1043x453x1500		
	Net weight/Gross weight		kg	98/108			105/115		
Connection pipe	Outer diameter	Liquid	inch	φ3/8			φ3/8		
		Gas	inch	φ5/8			φ5/8		
	Max.distance	Height/Length	m	30/50			30/50		
Loading quantity		40' GP/40'HQ	—	52/58	45/48	43/47	38/48	43/50	43/47

Model	Outdoor unit			GUHD48NM3FO			GUHD60NM3FO		
	Indoor unit			Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH48K3FI	GKH48K3FI	GTH48K3FI	GFH60K3FI	GKH60K3FI	GTH60K3FI
Capacity	Cooling	W	14000	14000	14000	16000	16000	16000	
		Btu/h	47768	47768	47768	54592	54592	54592	
	Heating	W	15500	16000	16000	16500	17000	17000	
		Btu/h	52886	54592	54592	56298	58004	58004	
SEER/SCOP			W/W	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8	5.1/3.8
Power supply			Ph/V/Hz	3Ph, 380-415V,50Hz			3Ph, 380-415V,50Hz		
Power input	Cooling	kW	4.80	4.70	4.80	4.5.60	5.70	5.70	
	Heating	kW	4.36	4.44	4.44	4.57	4.70	4.70	
Current input	Cooling	A	8.4	8.2	8.4	9.8	10.0	10.0	
	Heating	A	7.8	8.0	8.0	8.0	8.2	8.2	
Refrigerant charge volume			kg	4.0	4.0	4.0	5.0	5.0	5.0
Indoor unit	Air flow volume(H/M/L)		CFM	1412	1354	1354	1766	1412	1471
			m³/h	2400	2300	2300	3000	2400	2500
	ESP	Rated	Pa	50	—	—	50	—	—
		Range	Pa	0-150	—	—	0-150	—	—
	Sound pressure level (H/M/L)		dB(A)	55/53/49/45	53/52/47/41	57/55/50/46	57/56/54/49	54/53/47/41	58/56/52/46
	Dimension (WxDxH)	Outline	mm	1340x750x350	910x910x290	1700x700x245	1340x750x350	910x910x290	1700x700x245
		Package	mm	1423x837x455	1023x993x375	1828x828x345	1423x837x455	1023x993x375	1828x828x345
	Net weight/Gross weight		kg	56/65	43/50	59/68	56/65	43/50	59/68
Panel	Dimension (WxDxH)	Outline	mm	—	1040x1040x65	—	—	1040x1040x65	—
		Package	mm	—	1137x1137x140	—	—	1137x1137x140	—
	Net weight/Gross weight		kg	—	8.0/12	—	—	8.0/12	—
Outdoor unit	Sound pressure level		dB(A)	59			59		
	Dimension (WxDxH)	Outline	mm	958x412x1349			1085x427x1365		
		Package	mm	1043x453x1500			1143x478x1505		
	Net weight/Gross weight		kg	110/120			122/134		
Connection pipe	Outer diameter	Liquid	inch	ø3/8			ø3/8		
		Gas	inch	ø5/8			ø3/4		
	Max.distance		Height/Length	m	30/50			30/50	
Loading quantity	40° GP/40°HQ	—	38/48	43/50	43/47	40/40	38/48	39/42	

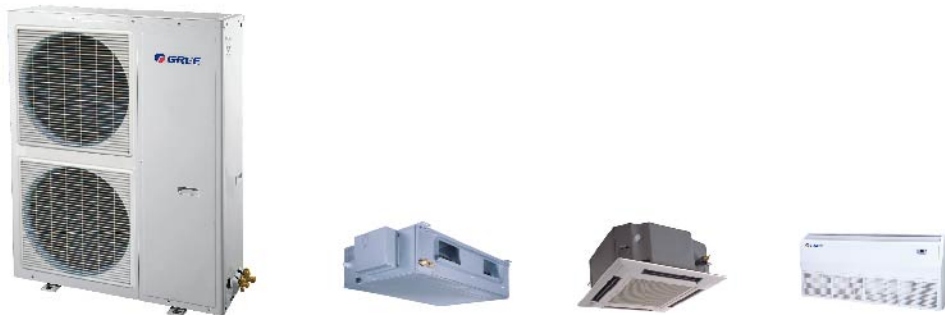
Light Commercial

U-Match



Fixed Frequency Series

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



- Double ambient temperature sensor design makes a precision temperature monitoring.
- With low ambient temperature cooling function, cooling normally in -7°C.
- The outdoor unit is universal, can be matched with floor standing, cassette, duct type indoor unit.



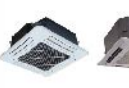
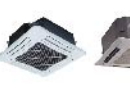
Indoor Unit

Duct type	Cassette type	Floor ceiling type
• 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.	• Drain pump fitted as standard with increased lift of 1100mm. • Special low noise fan design. • Different swing angle design for cooling and heating mode for better comfort. • All kinds of air freshener can be installed in the filter, such as catechin	• 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	-7~43(with low ambient cooling) 18~43(without low ambient cooling)
Heating	7	6	20	15	-7~24

Units Lineup

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

Capacity Index (Btu/h)		30K	36K	42K	48K	60K
Outdoor Unit		 GUHN30NK3A1O	 GUHN36NK3AO GUHN36NM3AO	 GUHN42NM3AO	 GUHN48NM3A1O	 GUHN60NM3AO
Indoor Unit	Duct	 GFH30K3BI	 GFH36K3BI	 GFH42K3BI	 GFH48K3BI	 GFH60K3BI
	Cassette	 GKH30K3BI	 GKH36K3BI	 GKH42K3BI	 GKH48K3BI	 GKH48K3BI
	Floor Ceiling	 GTH30K3BI	 GTH36K3BI	 GTH42K3BI	 GTH48K3BI	—

Model	Outdoor Unit		GUHN09NK3AO		GUHN12NK3AO			
	Indoor Unit		Duct	Floor Ceiling	Duct	Cassette	Floor Ceiling	
			GFH09K3BI	GTH09K3BI	GFH12K3BI	GKH12K3BI	GTH12K3BI	
Capacity	Cooling	W	2600	2600	3500	3500	3500	
		Btu/h	8900	8900	11900	11900	11900	
	Heating	W	2850	2850	3600	3600	3600	
		Btu/h	9700	9700	12300	12300	12300	
EER/COP		W/W	2.60/2.94	2.60/2.85	2.92/3.27	2.99/3.27	2.99/3.27	
Power Supply		Ph/V/Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	
Power Input	Cooling	kW	1.00	1.00	1.20	1.17	1.17	
	Heating	kW	0.97	1.00	1.10	1.10	1.10	
Current Input	Cooling	A	4.4	4.3	5.4	5.4	5.4	
	Heating	A	4.3	4.5	5.1	5.1	5.1	
Refrigerant Charge Volume		kg	1.1	1.1	1	1	1	
Indoor Unit	Air Flow Volume		m³/h	550/470/400	550/470/380	600/540/490	550/490/420	550/470/380
			CFM	324/276/235	324/277/224	353/318/288	324/288/247	324/277/224
	Sound Pressure Level(H/M/L)		dB(A)	37/36/34	47/44/41	40/38/36	47/45/43	47/44/41
	Dimension (WxDxH)	Outline	mm	913x680x220	836x695x238	913x680x220	600x600x230	836x695x238
		Package	mm	995x750x273	935x805x295	995x750x273	848x678x310	935x805x295
	Net Weight /Gross Weight		kg	24/29	25/32	25/30	20/27	26/33
Panel	Dimension (WxDxH)	Outline	mm	-	-	-	650x650x50	-
		Package	mm	-	-	-	670x730x102	-
	Net Weight/Gross Weight		kg	-	-	-	2.5/3.5	-
Outdoor Unit	Sound Pressure Level		dB(A)	55	55	56	56	56
	Dimension (WxDxH)	Outline	mm	820x320x540	820x320x540	820x320x540	820x320x540	820x320x540
		Package	mm	870x360x590	870x360x590	870x360x590	870x360x590	870x360x590
	Net Weight /Gross Weight		kg	32/37	32/37	32/37	32/37	32/37
Connection Pipe	Outer Diameter	Liquid	inch	φ1/4	φ1/4	φ1/4	φ1/4	φ1/4
		Gas	inch	φ3/8	φ3/8	φ1/2	φ1/2	φ1/2
	Max.distance	Height/Length	m	15/20	15/20	15/20	15/20	15/20
Loading Quantity		40' GP/40' HQ	—	123/160	116/143	123/160	113/144	116/143

Model	Outdoor Unit		GUHN18NK3AO			GUHN24NK3AO		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
			GFH18K3BI	GKH18K3BI	GTH18K3BI	GFH24K3BI	GKH24K3BI	GTH24K3BI
Capacity	Cooling	W	5000	5000	5000	7000	6800	7000
		Btu/h	17000	17000	17000	24000	23200	24000
	Heating	W	5700	5400	5700	8000	7500	8000
		Btu/h	19400	18400	19400	27300	25600	27300
EER/COP	W/W		2.38/3.17	2.50/2.84	2.46/2.75	2.63/3.19	2.60/3.00	2.68/3.09
Power Supply	Ph/V/Hz		1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Power Input	Cooling	kW	2.10	2.00	2.03	2.66	2.62	2.61
	Heating	kW	1.80	1.90	2.07	2.51	2.50	2.59
Current Input	Cooling	A	9.4	9.0	9.3	12.1	11.9	11.8
	Heating	A	8.0	8.7	9.5	11.4	11.4	11.7
Refrigerant Charge Volume	kg		1.5	1.5	1.5	2.2	2.2	2.2
Indoor Unit	Air Flow Volume		m³/h	840/750/680	550/490/420	700/640/570	1600/1400/1200	1170/1080/1000
			CFM	494/441/400	324/288/247	412/377/335	941/824/706	694/635/588
	Sound Pressure Level(H/M/L)		dB(A)	42/40/38	47/45/43	54/50/46	47/44/42	50/48/46
	Dimension (WxDxH)	Outline	mm	1012x736x266	600x600x230	836x695x238	1270x530x268	1300x600x188
		Package	mm	1120x736x323	848x678x310	935x805x295	1345x594x283	960x960x310
Panel	Net Weight /Gross Weight		kg	34/41	20/27	26/33	37/43	33/40
	Dimension (WxDxH)	Outline	mm	-	650x650x50	-	-	950x950x60
		Package	mm	-	670x730x102	-	-	1025x1040x115
	Net Weight /Gross Weight		kg	-	2.5/3.5	-	-	6.5/10
Outdoor Unit	Sound Pressure Level		dB(A)	56	56	56	59	59
	Dimension (WxDxH)	Outline	mm	820x320x540	820x320x540	820x320x540	1018x412x695	1018x412x695
		Package	mm	870x360x590	870x360x590	870x360x590	1100x450x755	1100x450x755
	Net Weight /Gross Weight		kg	40/45	40/45	40/45	59/64	59/64
Connection Pipe	Outer Diameter	Liquid	inch	φ1/4	φ1/4	φ1/4	φ3/8	φ3/8
		Gas	inch	φ1/2	φ1/2	φ1/2	φ5/8	φ5/8
	Max.distance	Height/Length	m	15/20	15/20	15/20	15/30	15/30
Loading Quantity	40'GP/40'HQ		—	116/132	113/114	116/143	92/94	88/98

Model	Outdoor Unit		GUHN30NK3AO			GUHN36NK3AO		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
			GFH30K3BI	GKH30K3BI	GTH30K3BI	GFH36K3BI	GKH36K3BI	GTH36K3BI
Capacity	Cooling	W	8300	8300	8800	9800	10000	10000
		Btu/h	28300	28300	30000	33400	34100	34100
	Heating	W	9100	8800	9800	11000	11000	11000
		Btu/h	31000	30000	33400	37500	37500	37500
EER/COP	W/W		2.77/3.03	2.86/2.79	2.93/3.44	2.45/3.14	2.78/3.33	2.78/3.33
Power Supply	Ph/V/Hz		1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Power Input	Cooling	kW	3.00	2.90	3.00	4.00	3.60	3.60
	Heating	kW	3.00	3.15	2.85	3.50	3.30	3.60
Current Input	Cooling	A	13.5	13.1	13.6	22.0	20.0	20.0
	Heating	A	13.9	13.1	13.6	19.0	18.0	18.0
Refrigerant Charge Volume	kg		3.6	3.6	3.6	3.2	3.2	3.2
Indoor Unit	Air Flow Volume		m³/h	1500/1300/1100	1400/1270/1170	1600/1450/1300	2000/1900/1800	1660/1570/1500
			CFM	882/765/647	824/747/688	942/853/765	1176/1118/1059	976/924/882
	Sound Pressure Level(H/M/L)		dB(A)	47/44/42	51/49/48	52/51/49	50/48/46	53/51/48
	Dimension (WxDxH)	Outline	mm	1270x530x268	840x840x240	1420x700x245	1226x775x290	840x840x320
		Package	mm	1348x597x283	960x960x310	1545x825x330	1335x834x305	960x960x394
Panel	Net Weight /Gross Weight		kg	37/43	27/36	48/58	54/61	32/43
	Dimension (WxDxH)	Outline	mm	-	950x950x60	-	-	950x950x60
		Package	mm	-	1025x1040x115	-	-	1025x1040x115
	Net Weight /Gross Weight		kg	-	6.5/10	-	-	6.5/10
Outdoor Unit	Sound Pressure Level		dB(A)	59	59	59	60	60
	Dimension (WxDxH)	Outline	mm	980x427x790	980x427x790	980x427x790	1018x412x840	1018x412x840
		Package	mm	1080x485x840	1080x485x840	1080x485x840	1100x450x985	1100x450x985
	Net Weight /Gross Weight		kg	70/75	70/75	70/75	90/100	90/100
Connection Pipe	Outer Diameter	Liquid	inch	φ3/8	φ3/8	φ3/8	φ1/2	φ1/2
		Gas	inch	φ5/8	φ5/8	φ5/8	φ3/4	φ3/4
	Max.distance	Height/Length	m	15/30	15/30	15/30	30/50	30/50
Loading Quantity	40'GP/40'HQ		—	74/85	56/64	72/84	64/70	44/53

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

U-Macch(Fixed Frequency Series)

Model	Outdoor unit			GUHN48NM3A1O			GUHN60NM3AO
	Indoor unit			Duct	Cassette	Floor Ceiling	Duct
				GFH48K3B1I	GKH48K3B1I	GTH48K3B1I	GFH60K3BI
Capacity	Cooling	W		13200	13200	13200	16000
		Btu/h		45040	45040	45040	54600
	Heating	W		14500	14500	14500	18500
		Btu/h		49470	49470	49470	63100
EER/COP		W/W		2.59/3.15	2.75/2.79	2.64/3.02	2.46/3.36
Power supply		Ph/V/Hz		3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz	3Ph,380-415V, 50Hz
Power input	Cooling	kW		5.10	4.80	5.0	6.50
	Heating	kW		4.60	5.20	4.8	5.50
Current input	Cooling	A		9.2	8.7	9.0	11.8
	Heating	A		8.3	9.5	8.7	10.0
Refrigerant charge volume		kg		3.8	3.8	3.8	5
Indoor unit	Air flow volume(H/M/L)		m³/h	2300/2110/1850	1660/1570/1500	2100/1900/1800	2500/2070/1730
			CFM	1354/1242/1089	977/924/883	1236/1118/1059	1471/1218/1018
	ESP	Rated	Pa	50	—	—	50
		Range	Pa	0-150	—	—	0-50
	Sound pressure level(H/M/L)		dB(A)	53/50/46	53/51/48	58/55/52	53/50/48
	Dimension (WxDxH)		mm	1226x775x290	840x840x320	1590x695x238	1226x815x330
		Package	mm	1338x837x305	963x963x409	1717x833x345	1338x885x345
	Net Weight /Gross Weight		kg	57/67	32/43	48/58	66/76
Panel	Dimension (WxDxH)	Outline	mm	—	950x950x60	—	—
		Package	mm	—	1028x1043x130	—	—
	Net weight/Gross weight		kg	—	6.5/10	—	—
Outdoor unit	Sound pressure level		dB(A)	63			64
	Dimension (WxDxH)	Outline	mm	1032x412x1250			1032x412x1250
		Package	mm	1113x453x1400			1113x453x1400
	Net weight /Gross weight		kg	112/123			123/134
Connection pipe	Outer diameter	Liquid	inch	φ1/2			φ1/2
		Gas	inch	φ3/4			φ3/4
	Max.distance	Height/Length	m	30/50			30/50
Loading quantity		40'GP/40'HQ	set	45/49	42/48	44/49	45/49