

Welcome to follow Gree Overseas Social Media Platform



Note:

Gree is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements.
All features and specifications are subject to change without prior notice.
All images provided in this catalogue are used for illustration purposes only.
Copyright© Gree Electric Appliances, Inc. of Zhuhai. All rights reserved.



New Product Launch



GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

Add: West Jinji Rd, Qianshan, Zhuhai, Guangdong, China 519070

Tel: (+86-756) 852 2218

Fax: (+86-756) 866 9426

Email: gree@cn.gree.com

http://www.gree.com

GREE (SINGAPORE) ELECTRIC APPLIANCES PTE. LTD.

Add: 20 Maxwell Road, #11-07/08, Maxwell House, Singapore 069113

Email: kersey@gree-asia.com.cn greesales@cn.gree.com

Facebook: Gree Singapore Head Office

Singapore | Gree Brochure
RESIDENTIAL AIR CONDITIONER



INDEX

► 1-11

Free Match

2-3

5 ticks performance, efficient & energy-saving

4-5

DC inverter with environment-friendly R32 refrigerant

6

Black diamond technology

7

Gree smart life

8-9

Multifunctional filter

Cold plasma

Self-cleaning function of evaporator

10-11

Parameter

► 12-13

Lomo

► 14-15

Coolani

► 16-17

Shiny

► 18-19

GMV5 Solar Mini

 **GREE**

Free Match

Smartly connect your home
healthy and eco-friendly



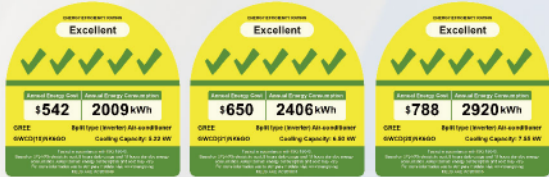
Features

□ Features: Standard

○ Optional

5 ticks performance, efficient & energy-saving

Cooling up to 4 rooms for all residences



One outdoor unit connects 2~4 indoor units

Free switchover among 8.5A, 11A and 16A for connecting your home freely.

Before installation, please select different limited current according to the installation situation and be firm when the terminal pair is connected.



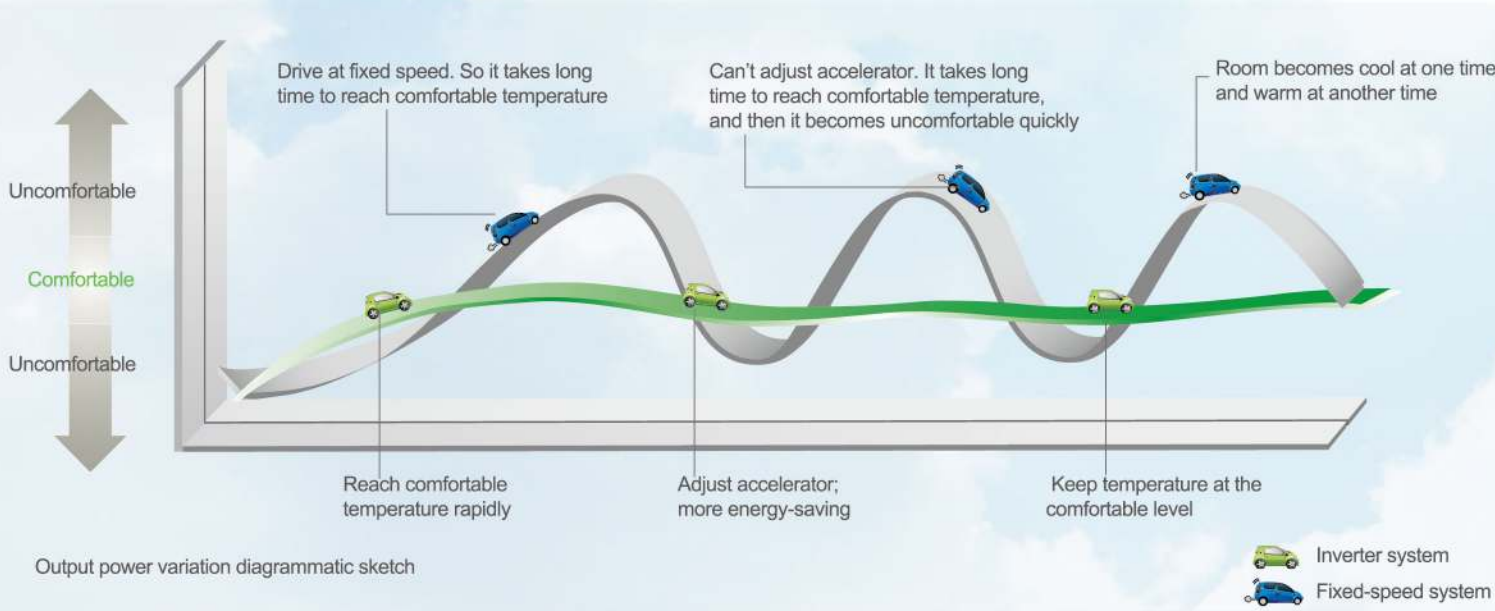
The specific wiring diagram is as follows:

No.	Terminal connection	AC shutdown current (A)	Wiring diagram(for 18/21K)	Wiring diagram(for 28K)
1	The red, black and white terminals are not connected	16A		
2	White and black terminals are connected	11A		
3	White and red terminals are connected	8.5A		

Note: It must be firm when the terminal pair is connected and there should be no virtual connection.

DC inverter with environment-friendly comfort

How does *Inverter* save energy?



R32 refrigerant for lesser charge, *higher* efficiency



R32

Micro inflammability

ODP=0
GWP=675
Low toxicity, same with R410A
Micro flammability

The safety grade of R32 is A2L(according to ASHRAE 34-2010), which means it is hardly combustible.

Inflammability grade	Combustion speed	Lower limit of combustion	Combustion heat
	BV	LFL	HOC
	cm/s	kg/m³	MJ/kg
1	NA	NA	NA
2L	≤10	>0.1	<19
2	YES	>0.1	<19
3	YES	≤0.1	≥19

			R32	R22	R410A	R134a	R290
Lower limit of combustion	LFL	vol%	14.4	NA	NA	NA	2.1
		kg/m³	0.306	NA	NA	NA	0.038
Auto ignition temp.	AIT	℃	648	635	N.D.	743	470
Min. ignition energy	MIE	mJ	30-100	NA	NA	NA	0.25
Combustion speed	BV	cm/s	6.7	NA	NA	NA	46
Combustion heat	HOC	MJ/kg	9.4	2.2	4.4	4.2	50.3
Occupational contact limit	OEL	PPMv	1000	1000	1000	1000	1000
Safety grade(ASHRAE34)			A2L	A1	A1	A1	A3

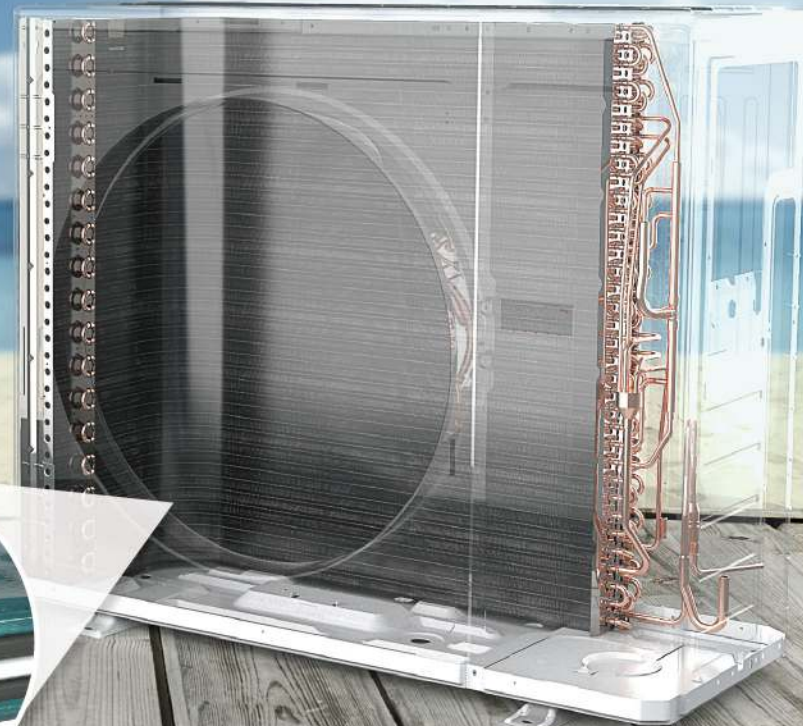
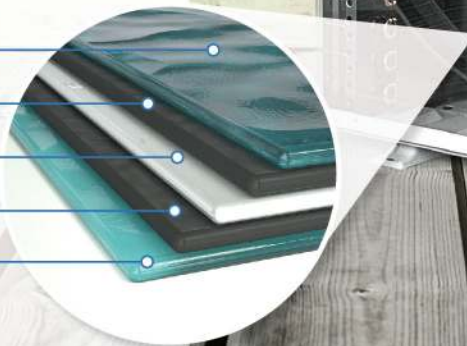
Plenty combustion tests indicate:
R32 will not be easily ignited or exploded after leakage.



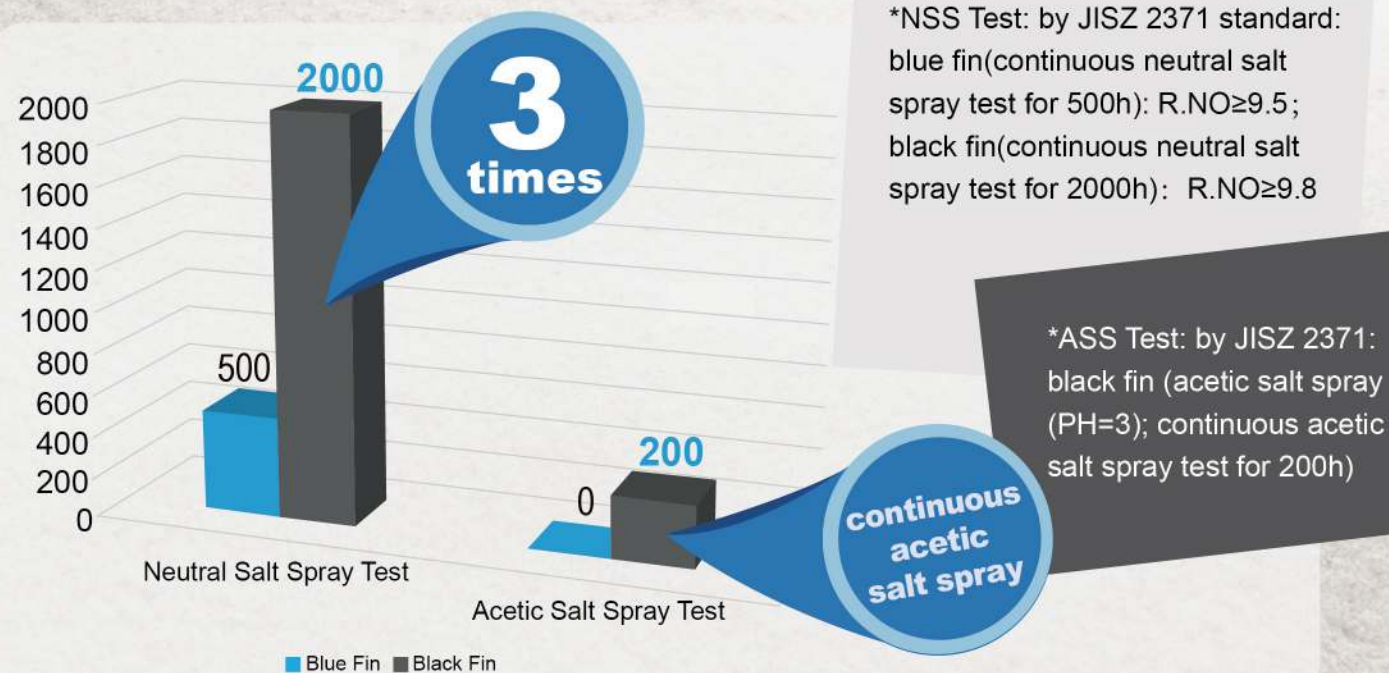
Black diamond technology

Adopting black diamond technology, with five-layer sealing coating, high-efficiency and long-lasting protection; it's with features of super hydrophilicity, weather resistance, acid rain resistance, UV protection, corrosion resistance, wind erosion resistance, high temperature resistance and so on.

Hydrophilic layer
Anticorrosive layer
Aluminum
Anticorrosive layer
Hydrophilic layer



Anti-corrosion capacity increased by 3 times Acid resistance also improved



WIFI control

When installing Gree special APP "Smart Gree" on smart terminal and setting short distance mode or long distance mode, the air conditioner can be controlled by the smart terminal.

Short distance mode

Smart terminal can connect to the air conditioner directly for remote control, no need wireless router, which is applicable for short distance control at home.

Long distance mode

User bind air conditioner, wireless router and Gree Cloud Platform together. When the smart terminal is connected to internet, log on GreeCloud Platform can remotely control the air conditioner, which is applicable for long distance control.

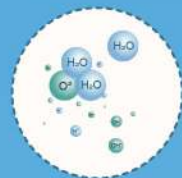




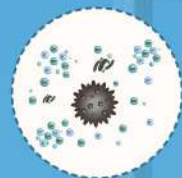
Cold plasma

for air purification and sterilization

Effective sterilization and bacteria/odor removal, provide the air with more negative oxygen ions.



Generate positive and negative ions.



Encircle viruses.



Kill viruses.



Decompose viruses into water.



Multifunctional filter

for fresher and healthier air

Multifunctional filter: 6 in 1 filter is optional, meeting your various needs simultaneously.



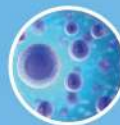
Silver ion filter

The antivirus rate of staphylococcus aureus and escherichia coli is over 95%.



Catechin filter

The antivirus rate of staphylococcus aureus and escherichia coli is over 95%.



Acarobacterium filter

Effectively remove mites.



Chitin filter

Effectively prevent corrosion.



Formaldehyde removal filter

Remove formaldehyde and hydrogen sulfide.



C Vitamin C filter

Create a healthy and comfortable space.



Outdoor Unit



Model			GWCD<18>NK6GO	GWCD<21>NK6GO	GWCD<28>NK6GO
Capacity	Cooling	kW	5.0(2.1-7.0)	6.2(2.1-8.3)	7.2(2.2-10.55)
		Btu/h	17100(7200-24000)	21000(7200-28300)	24600(7500-36000)
COP		W/W	5.29	5.46	5.21
Weighted COP			5.61	5.83	5.61
Power Supply		Ph, V, Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz
Power Input	Cooling	kW	1.028	1.270	1.480
Refrigerant Charge Volume		kg	1.4	1.4	1.8
Air Flow Volume		m³/h	3200	3200	4000
Sound Pressure Level		dB (A)	58	58	58
Dimension Outline (W×H×D)		mm	962×700×396	962×700×396	1003×790×427
Dimension Package (W×H×D)		mm	1029×750×458	1029×750×458	1083×855×488
Net Weight/Gross Weight		kg	53.5/58.0	54.5/59.0	65.0/70.0
Connecting Pipe	Gas	mm	φ9.52	φ9.52	φ9.52
	Liquid	mm	φ6	φ6	φ6
Max Equivalent Connection Pipe Length		m	20	20	20
Maximum Drive IDU NO.		unit	3	4	4
Loading Quantity	40'GP/ 40'HQ	sets	171/171	171/171	96/144

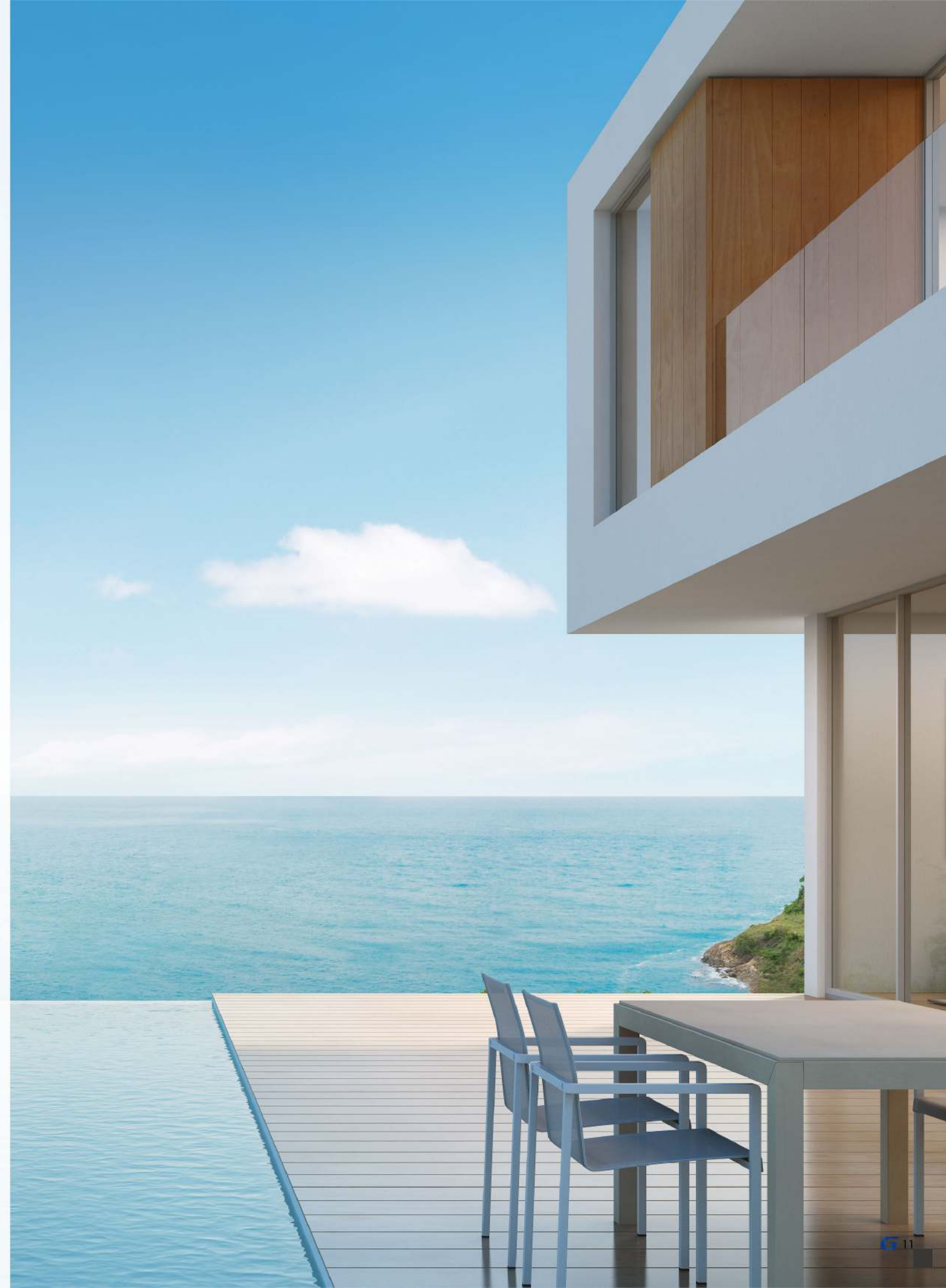
Indoor Unit



Model			GWC<09>QC-K6DNB2B/I	GWC<12>QC-K6DNB2B/I	GWC<18>QD-K6DNB2B/I
Capacity	Cooling	kW	2.70(0.4-3)	3.52(0.4-4)	5.28(1.5-6.3)
		Btu/h	9212(1365-10200)	12010(1365-13648)	18015(5118-21496)
Power Supply		Ph, V, Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz
Air Flow Volume		m³/h(SH/H/M/L)	720/640/520/360	720/640/520/360	800/730/630/530
		CFM(SH/H/M/L)	424/377/306/212	424/377/306/212	471/430/371/312
Sound Pressure Level (SH/H/M/L)		dB(A)	41/38/33/28	42/39/34/29	48/43/39/34
Connecting Pipe	Gas	inch(mm)	9.52	9.52	12
	Liquid	inch(mm)	6	6	6
Dimension Outline (W×H×D)		mm	845×289×209	845×289×209	970×300×224
Dimension Package (W×H×D)		mm	921×379×281	921×379×281	1041×320×383
Net Weight/Gross Weight		kg	10.0/12.0	10.0/12.0	13.0/16.0
Loading Quantity	20' GP	sets	300	300	230
	40' GP/40'HQ	sets	624/728	624/728	489/557



7 combinations	2 units		3 units			4 units		
GWCD(18)NK6GO	9+9	9+12	9+9+9	9+9+12	9+12+12	NONE		
	9+18	12+12	12+12+12					
16 combinations	2 units		3 units			4 units		
GWCD(21)NK6GO	9+9	9+12	9+9+9	9+9+12	9+9+18	9+9+9+9	9+9+9+12	9+9+12+12
	9+18	12+12	9+12+12	12+12+12	9+12+18			
	12+18	18+18	12+12+18					
23 combinations	2 units		3 units			4 units		
GWCD(28)NK6GO	9+9	9+12	9+9+9	9+9+12	9+12+12	9+9+9+9	9+9+9+12	9+9+12+12
	9+18	12+12	9+12+18	9+9+18	12+12+12	9+9+9+18	9+9+12+18	9+9+18+18
	12+18	18+18	12+12+18	12+18+18	18+18+18	9+12+12+12	9+12+12+18	





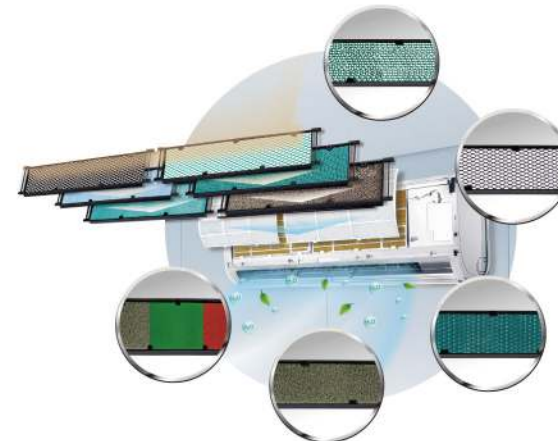
Lomo



Features: ● Standard ● Optional

High density filter

Higher density filter than normal filter, preventing tiny dust and pollen in air from entering into the unit efficiently, keeping you away from dust particle and enjoying healthy natural wind at any time.



Automatic clean and dry

Gree air conditioner adopts a new generation of hydrophilic aluminum foil. Under cooling or dehumidifying mode, dust in evaporator will be removed by the fast-moving condensate water. The blade keeps operating for air drying after power off, thus achieves automatic clean and dry. This function is available through controlling the "X-Fan" button in remote controller, caring for your health considerably.



① Water still exists in air conditioner after power off

② Air louver keeps operating

Model			GWC09QB-K6DNA1A	GWC12QC-K6DNA1A	GWC18QD-K6DNA1B	GWC24QE-K6DNA1A
Function			Cooling	Cooling	Cooling	Cooling
Capacity	Cooling	kW	2.6	3.5	5.275	7.034
		Btu/h	9000	12000	18000	24000
COP		W/W	3.55	3.43	3.4	3.41
Weighted COP			4.1	4.0	4.0	4.12
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	750	1020	1550	2060
Rated Current	Cooling	A	3.5	4.78	7.2	9.50
Air Flow Volume		m³/h(SH/H/M/L)	500/460/400/310	730/590/490/420	900/800/700/570	1200/1100/950/800
		CFM(SH/H/M/L)	294/271/235/182	430/347/288/247	530/471/412/335	706/647/559/471
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(SH/H/M/L)	38/35/31/24	43/39/35/29	47/44/38/34	49/46/42/37
Outline Dimension	WxHxD	mm	790×275×200	845×289×209	970×300×224	1078×325×246
Package Dimension	WxHxD	mm	866×367×271	921×379×281	1041×383×320	1148×413×350
Net Weight /Gross Weight	Indoor	kg	9/11	10/12	13.5/16.5	17/20.5
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	48	48	56	56
Outline Dimension	WxHxD	mm	782×540×320	782×540×320	955×700×396	955×700×396
Package Dimension	WxHxD	mm	823×595×358	823×595×358	1029×750×458	1029×750×458
Piping Connection	Liquid	mm	φ6	φ6	φ6	φ6
	Gas	mm	φ9.52	φ9.52	φ12	φ16
Net Weight/Gross Weight	Outdoor	kg	28.5/31	30/32.5	43.5/48	52/56.5
Loading Quantity	20' GP	sets	108	105	60	55
	40' GP/40'HQ	sets	224/262	212/245	127/146	118/131



Coolani

- 3D Airflow
 Comfortable Sleep Mode
 Cold Air Prevention
 Timer
 Self-diagnosis
 Auto Restart
 Automatic Operation
 Auto Swing
 Filter Dirty Alarm
 Dehumidifying
- Soft Start
 Low Voltage Startup
 Golden Fin

Features: ● Standard ○ Optional

Soft start

Through adjusting the startup voltage and capacitor of compressor to lower its starting current, enabling the compressor to start smoothly, restraining the impact on distribution network and postponing the wastage on compressor.



Self-diagnosis

Once abnormal operation or parts failure happens, the unit will shut off automatically to protect the system. Meanwhile it will show protection or error code for fast service.



Model			GJC09AF-E6RNB3A	GJC12AG-E6RNB3A
Function			Cooling	Cooling
Capacity	Cooling	Btu/h	9212	12454
	Heating	Btu/h	-	-
SEER		W/W	5.2	5.4
Energy Class Cool			A	A
Power Supply		Ph, V, Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz
Power Input	Cooling	W	782	1030
	Heating	W	-	-
Rated Current	Cooling	A	5.5	6.5
	Heating	A	-	-
Airflow Volume		m³/h	400/360/320	480/430/380
Sound Power Level	Indoor	dB(A)(SHHML)	50/48/46	50/48/46
	Outdoor	dB(A)(SHHML)	56/54/52	58/56/54
Outline Dimension	WxHxD	mm	560×375×708	660×428×700
Package Dimension	WxHxD	mm	623/425/806	739×505×793
Net Weight/Gross Weight		kg	43/47	50/54
Loading Quantity				
		40'GP	sets	260
		40'HQ	sets	312
				184
				230

1.The product with * is under development, and the parameters are estimated, please refer to the value on nameplates.
 2. Gree reserves the right to modify the specifications without prior notice. Please confirm the final specifications with sales representatives.

Shiny

- Dehumidifying
- Comfortable Sleep Mode
- Timer
- Intelligent Preheating
- Dry Anti-mildew Technology
- Power-off Memory
- Self-diagnosis
- LED Display
- Healthy Filters

Features: ☐ Standard ☐ Optional



Heat-dissipation system with high-efficiency atomization to greatly improve the energy efficiency.



Sufficient power and energy efficiency, strong overload capacity.



Developed by series to satisfy different demands of global market.

R32

Model			GPC09AK-K6NNA1B	GPC12AL-K6NNA1B
Function			Cooling	Cooling
Capacity	Cooling	W	2500	3500
	Heating	W	/	/
EER/COP		W/W	2.60	2.70
Power Supply		Ph,V, Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz
Power Input	Cooling	W	960	1300
	Heating	W	/	/
Rated Current	Cooling	A	5.20	7.2
	Heating	A	/	/
Airflow Volume	Indoor	m³/h	320/290/260	360/330/300
Sound Pressure Level	Indoor	dB(A)	53/51/49	53/51/49
Outline Dimension	WxHxD	mm	315×770×395	390×820×405
Package Dimension	LxWxH	mm	358×881×463	455×862×581
Net Weight/Gross Weight	Indoor	kg	28.5/34.5	35.5/41.5
Loading Quantity				
	40'GP	sets	330	208
	40'HQ	sets	494	311

GMV5 Solar Mini

Gree GMV5 Solar Mini adopts inverter compressor technology, with capacity ranging from 4HP to 6HP. It has a broad product lineup and is widely applicable to places such as residential houses, apartments and office buildings.



4/5/6 HP



XK46



YAP1F



All DC Inverter Technology



Energy Saving Function



Quiet Function



Long Connection Pipe Design



Wide Operation Range



Comprehensive Protection

- PV and air conditioner are combined perfectly; air conditioner also has the power generation function.
- The characteristics of power consumption of air conditioner is well matched with that of PV power generation, with high power generation/consumption ratio.
- Instant switch-over between power generation and power consumption.
- Real-time grid-connected, no waste of electricity.
- Green inverter, no interference to other indoor electric appliances.
- Low voltage and direct current for electric parts, safe for maintenance.
- High efficiency and energy-saving, cutting the electric bill greatly.



Note: This electric cabinet must be with bidirectional rectification function.

Specifications

Model			GMV-Y120WL/A-T	GMV-Y140WL/A-T	GMV-Y160WL/A-T
Capacity Range	HP		4	5	6
Capacity	Cooling	kW	12.30	13.95	15.75
	Heating	kW	13.95	16.50	18.00
Cooling Power Input	kW		3.0	3.8	4.6
Heating Power Input	kW		3.3	4.0	4.7
EER/COP	kW/kW		4.10/4.23	3.67/4.12	3.42/3.83
Air Flow Volume	m³/h		6000	6300	6600
Power Supply	V/Ph/Hz		220-240/208-230/1/50/60		
Range of Allowable Open Circuit Input Voltage	V		392 ~ 490	392 ~ 490	392 ~ 490
Bus Operating Voltage	V		314 ~ 420	314 ~ 420	314 ~ 420
Max. Solar Short Circuit Current	A		27	27	27
Recommended Quantity of Solar Panel *Base on Yingli Model YL325D-36b	/		12	12	12
Maximum Drive IDU NO.	unit		7	8	9
Refrigerant Charge Volume	kg		3.3	3.3	3.3
Sound Pressure Level	dB(A)		59	60	60
Connecting Pipe	Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
	Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ3/4(19.05)
Dimension (WxDxH)	Outline	mm	900×340×1345	900×340×1345	900×340×1345
	Package	mm	998×458×1500	998×458×1500	998×458×1500
Net Weight/Gross Weight	kg		121.5/134.5	121.5/134.5	121.5/134.5
Loading Quantity	40' GP	set	57	57	57
	40' HQ	set	57	57	57