



2012

R410a COMMERCIAL AIR CONDITIONERS



It is our aim to bring you
the worlds best Air Conditioners
at the best possible price

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DC INVERTERS

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Please see our Commercial
Brochure for all other
Gree Equipment



Company Profile



- ! The largest air conditioning enterprise in the world.
- ! Over 40,000 employees
- ! Annual production capacity of 59.5 million units
- ! Annual turnover 38 Billion Dollars
- ! 2300 research and development engineers
- ! 300 research and development laboratories
- ! 2000 patents for air conditioning products
- ! Gree units sold worldwide spanning 200 individual countries



Sales Centre



Mould Design Centre



Metal Sheet Processing Centre

One in three Air Conditioners sold worldwide are produced by Gree

World's no. 1 Air Conditioning manufacturer

50 Million residential units annual capacity

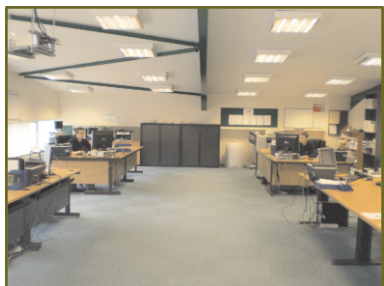
5.5 Million commercial units annual capacity

8 Worldwide production bases

170 Million users

This is why Gree is the world's no. 1 manufacturer of
Air Conditioners, and ACS-ACD is proud to be
part of this





Gree Commercial Air Conditioners

Supplied and
Distributed in the
UK by ACD Direct





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



Ultra low frequency torque control

- Constant temperature
- Energy saving



High-speed DSP chip

- Accurate calculation
- Efficient operation



Environment-friendly R410A refrigerant

- Low-carbon design
- High efficiency



Ultra-low noise control

- Quiet
- Comfortable



Automatic voltage adaptation(150-260V)

- More stability
- Less damage



High reliability assurance

- Excellent quality
- Superior performance



Wide frequency precise control

- Unceasing operation
- Accurate control



UHF flux-weakening control

- Rapid cooling
- Rapid heating



Computer simulation control

- Less fluctuation
- Lower noise



Power factor correction technology

- High efficiency
- Better protection

DC Inverter Cassette

U Match



R410A/D.C. Inverter

- ! Excellent performance due to DC inverter technology
- ! Universal outdoor unit can match with different indoor units
- ! Free combination to meet different preferences and match interior decoration
- ! All components optimally designed for R410A refrigerant
- ! Weekly timer (optional)



Easy installation



Compact design



Quiet design



Long life and washable filter



Wide angle air outlet system



Energy saving



Humanized sleep function



Memory function



Independent dehumidification system



24 hours timer



Rapid cooling (heating)



Weekly timer (optional)

Technical Information

	POWER SUPPLY	STANDARD CHARGE (GRAMS)	POWER AMPS FUSE RATING	ADDITIONAL CHARGE GRAMS PER METRE	INTERCONNECT CABLE	Pipe Sizes
GKH18	1ph 5amp Indoor 1ph 20amp Outdoor	1500	20	30	2 x .75mm	1/4-1/2
GKH24	1ph 5amp Indoor 1ph 20amp Outdoor	2200	20	60	2 x .75mm	3/8-5/8
GKH36	1ph 5amp Indoor 1ph 30amp Outdoor	3200	30	120	2 x .75mm	3/8-5/8
GKH42	1ph 5amp Indoor 3ph 20amp Outdoor	3550	20	120	2 x .75mm	3/8-5/8
GKH48	1ph 5amp Indoor 3ph 20amp Outdoor	3800	20	120	2 x .75mm	1/2-3/4

DC Inverter Floor Ceiling

U Match



R410A/D.C. Inverter

- ! Excellent performance due to DC inverter technology
- ! Universal outdoor unit can match with different indoor units
- ! Free combination to meet different preferences and match interior decoration
- ! All components optimally designed for R410A refrigerant
- ! Weekly timer (optional)



Easy installation



Compact design



Quiet design



Long life and washable filter



Wide angle air outlet system



Energy saving



Humanized sleep function



Memory function



Independent dehumidification system



24 hours timer



Rapid cooling (heating)



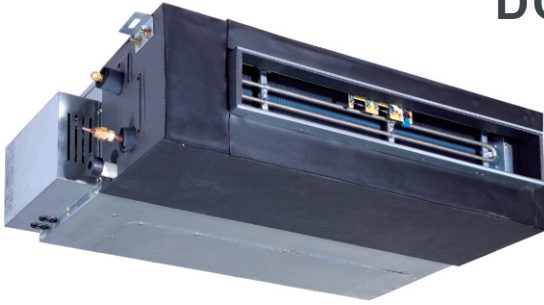
Weekly timer (optional)

Technical Information

	POWER SUPPLY	STANDARD CHARGE (GRAMS)	POWER AMPS FUSE RATING	ADDITIONAL CHARGE GRAMS PER METRE	INTERCONNECT CABLE	Pipe Sizes
GTH18	1ph 5amp Indoor 1ph 20amp Outdoor	1500	20	30	2 x .75mm	1/4-1/2
GTH24	1ph 5amp Indoor 1ph 20amp Outdoor	2200	20	60	2 x .75mm	3/8-5/8
GTH36	1ph 5amp Indoor 1ph 30amp Outdoor	3200	30	120	2 x .75mm	1/2-3/4
GTH42	1ph 5amp Indoor 3ph 20amp Outdoor	3550	20	120	2 x .75mm	1/2-3/4
GTH48	1ph 5amp Indoor 3ph 20amp Outdoor	3800	20	120	2 x .75mm	1/2-3/4

DC Inverter Ducted

U Match



R410A/D.C. Inverter

- ! Excellent performance due to DC inverter technology
- ! Universal outdoor unit can match with different indoor units
- ! Free combination to meet different preferences and match interior decoration
- ! All components optimally designed for R410A refrigerant
- ! Weekly timer (optional)



Easy installation



Compact design



Quiet design



Long life and washable filter



Wide angle air outlet system



Energy saving



Humanized sleep function



Memory function



Independent dehumidification system



24 hours timer



Rapid cooling (heating)



Weekly timer (optional)

Technical Information

	POWER SUPPLY	STANDARD CHARGE (GRAMS)	POWER AMPS FUSE RATING	ADDITIONAL CHARGE GRAMS PER METRE	INTERCONNECT CABLE	Pipe Sizes
GFH18	1ph 5amp Indoor 1ph 20amp Outdoor	1500	20	30	2 x .75mm	1/4-1/2
GFH24	1ph 5amp Indoor 1ph 20amp Outdoor	2200	20	60	2 x .75mm	3/8-5/8
GFH36	1ph 5amp Indoor 1ph 30amp Outdoor	3200	30	120	2 x .75mm	1/2-3/4
GFH42	1ph 5amp Indoor 3ph 20amp Outdoor	3550	20	120	2 x .75mm	1/2-3/4
GFH48	1ph 5amp Indoor 3ph 20amp Outdoor	3800	20	120	2 x .75mm	1/2-3/4
GFH60	1ph 5amp Indoor 3ph 30amp Outdoor	5000	30	120	2 x .75mm	1/2-3/4

Fixed Frequency Series

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



Intelligent
defrosting



Compact
design



Anti-cold
function



Comprehensive
protection



Easier
maintainability

- Double ambient temperature sensor design makes a precision temperature monitoring.
- Low start-up current thanks to power delay control design.



Indoor Unit

Duct type

- Fresh air inlet and air valve control function improve the indoor air quality.
- Flexible air in/outlet and condensing water outlet direction according to different installation requirements.
- Optimized air duct design improves the performance and lower the noise.

Cassette type

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

Floor ceiling type

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

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB(°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	-15~24

Line up

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

Capacity Index (Btu/h)		30K	36K	42K	48K	60K
Outdoor Unit						
		GUHN30NK3AO	GUHN36NK3AO GUHN36NM3AO	GUHN42NM3AO	GUHN48NM3AO	GUHN60NM3AO
Indoor Unit	Duct					
	Cassette					—
	Floor Ceiling					—
		GTH30K3BI	GTH36K3BI	GTH42K3BI	GTH48K3BI	—

Four-way Cassette Type



12k Btu/h~18k Btu/h



24k Btu/h~48k Btu/h

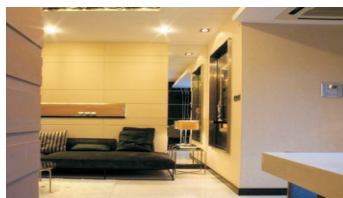


Wireless
Controller
(standard)



Wired
Controller
(standard)

Its 4-way air supply design makes the environment more comfortable. With the features of compact structure, slim body, good-looking appearance, easy installation and overall control



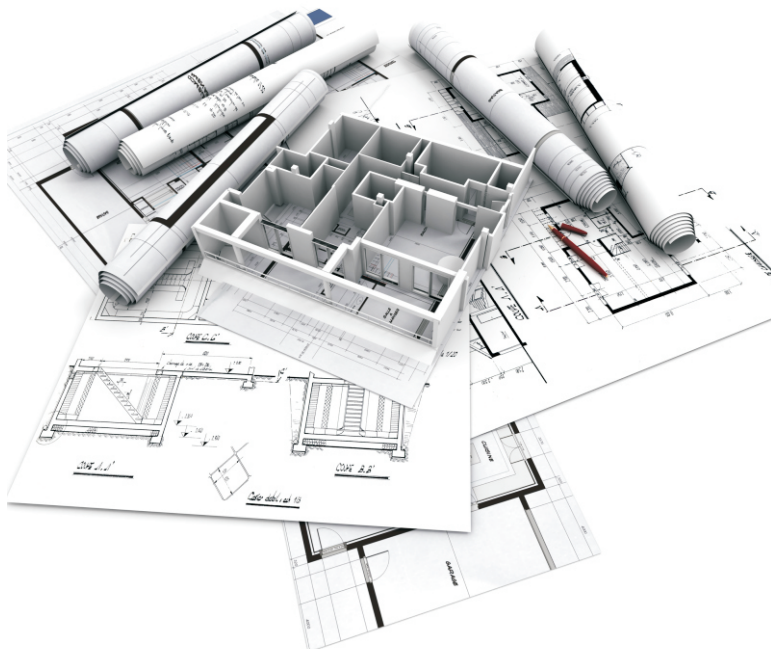
- ◆ The unit is compact, thin and light in weight.
- ◆ Low noise.
- ◆ Wired remote control fitted as standart.
- ◆ Wireless remote control ((standard).
- ◆ Long lifespan and washable filter.
- ◆ Water pump fitted as standard.



Model			Indoor unit		NEWGKH12K3CI		NEWGKH18K3CI		NEWGKH24K3CI		NEWGKH30K3CI	
			Outdoor unit		GUHD12NK3CO		GUHD18NK3CO		GUHD24NK3CO		GUHD30NK3CO	
Characteristics of units	Capacity	Cooling	W	3400	5300	7000	8800					
			Btu/h	11600	18000	24000	30000					
		Heating	W	3700	6150	8650	9500					
			Btu/h	12600	21000	29500	32400					
	Power supply	V-Ph-Hz		220-240V-1Ph-50Hz	220-240V-1Ph-50Hz	220-240V-1Ph-50Hz	220-240V-1Ph-50Hz					
	Power input	Cooling	W	1030	1650	2190	2750					
		Heating	W	1025	1700	2400	2640					
	Current input	Cooling	A	4.57	7.58	9.62	12.08					
		Heating	A	4.55	7.81	9.97	11.59					
	EER			W/W	3.30	3.21	3.20	3.20				
C.O.P			W/W	3.61	3.61	3.61	3.60					
Refrigerant charged volume			kg	1.35	1.40	2.40	2.60					
Indoor unit (main body)	Airflow volume		m³/h	550	1180	1400	1660					
			CFM	365	695	824	977					
	Sound pressure level		dB(A)	47/45/43	47/45/43	51/49/48	53/51/48					
	Outline dimension	W×D×H	mm	600×600×230	840×840×240	840×840×240	840×840×320					
	Package dimension	W×D×H	mm	848×678×310	960×960×310	960×960×310	960×960×394					
	Net weight/Gross weight		kg	20/27	27/36	27/36	32/43					
			mm	650×650×50	950×950×60	950×950×60	950×950×60					
panel	Package dimension	W×D×H	mm	670×730×102	1025×1040×115	1025×1040×115	1025×1040×115					
	Net weight/Gross weight		kg	2.3/3.5	6.5/10.0	6.5/10.0	6.5/10.0					
Outdoor unit	Sound pressure level		dB(A)	54	57	59	59					
	Outline dimension	W×D×H	mm	776×320×540	955×396×700	980×427×790	980×427×790					
	Package dimension	W×D×H	mm	848×360×580	1026×455×735	1080×485×840	1080×485×840					
	Net weight/Gross weight		kg	30/34	48/53	65/70	68/74					
Connection pipe	Diameter	Liquid pipe	inch	1/4	1/4	3/8	3/8					
		Gas pipe	inch	1/2	3/8	5/8	5/8					
	Max.piping length		m	20	20	30	30					
	Max.level difference of in&outdoor units		m	15	15	15	15					
Loading quantity			40'GP/40'HQ		123/157	72/77	64/71	49/69				



Model		Indoor unit	GKH36K3C1 ^{NEW}	GKH42K3C1 ^{NEW}	GKH36K3C1 ^{NEW}	GKH42K3C1 ^{NEW}
		Outdoor unit	GUHD36NK3CO	GUHD42NK3CO	GUHD36NM3CO	GUHD42NM3CO
Characteristics of units	Capacity	Cooling	W	10300	11000	10300
			Btu/h	35140	37530	35140
		Heating	W	11200	12400	11200
			Btu/h	38210	42300	38210
	Power supply	V-Ph-Hz	220-240V-1Ph-50Hz	220-240V-1Ph-50Hz	380-415V-3Ph-50Hz	380-415V-3Ph-50Hz
	Power input	Cooling	W	3200	3427	3180
		Heating	W	3000	3434	3100
	Current input	Cooling	A	14.65	15.20	4.80
		Heating	A	13.73	15.23	4.72
	EER	W/W	3.22	3.21	3.24	3.33
Indoor unit (main body)	C.O.P	W/W	3.73	3.61	3.61	3.75
	Refrigerant charged volume	kg	3.50	3.80	3.50	3.80
	Airflow volume	m ³ /h	1660	1660	1660	1660
		CFM	977	977	977	977
	Sound pressure level	dB(A)	53/51/48	53/51/48	53/51/48	53/51/48
	Outline dimension	W×D×H	mm 840×840×320	840×840×320	840×840×320	840×840×320
	Package dimension	W×D×H	mm 960×960×394	960×960×394	960×960×394	960×960×394
	Net weight/Gross weight	kg	32/43	32/43	32/43	32/43
	Outline dimension	W×D×H	mm 950×950×60	950×950×60	950×950×60	950×950×60
	Package dimension	W×D×H	mm 1025×1040×115	1025×1040×115	1025×1040×115	1025×1040×115
panel	Net weight/Gross weight	kg	6.5/10.0	6.5/10.0	6.5/10.0	6.5/10.0
	Sound pressure level	dB(A)	61	61	61	61
	Outline dimension	W×D×H	mm 1107×440×1100	1107×440×1100	1107×440×1100	1107×440×1100
	Package dimension	W×D×H	mm 1155×490×1220	1155×490×1220	1155×490×1220	1155×490×1220
	Net weight/Gross weight	kg	86/97	90/101	95/100	98/103
	Diameter	Liquid pipe	inch 3/8	3/8	3/8	3/8
		Gas pipe	inch 5/8	5/8	5/8	5/8
	Max.piping length	m	30	50	30	50
	Max.level difference of in&outdoor units	m	15	30	15	30
	Loading quantity	40'GP/40'HQ	40/48	40/48	40/48	40/48



Technical Information

U Match

Model	Outdoor Unit		GUHN05NK3A0			GUHN12NK3A0		
	Indoor Unit		Duct	Floor Ceiling		Duct	Cassette	Floor Ceiling
			GFH09K3B1	GTH09K3B1		GFH12K3B1	GKH12K3B1	GTH12K3B1
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
EEFCOP			W/W	2.60/2.94	2.60/2.85	2.92/3.27	2.99/3.27	2.99/3.27
Power Supply			PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
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		m ³ /h	550/470/400	550/470/380	600/540/490	550/490/420	550/470/380
	Sound Pressure Level(dB(A))		CFM	324/276/235	324/277/224	353/318/288	324/288/247	324/277/224
			dB(A)	37/36/34	47/44/41	40/38/36	47/45/43	47/44/41
	Dimension (WxDxH)		mm	913×680×220	836×695×238	913×680×220	600×600×230	836×695×238
Panel	Net Weight/Gross Weight		kg	24/29	25/32	25/30	20/27	26/33
	Dimension (WxDxH)	Outline	mm	---	---	---	650×650×50	---
		Package	mm	---	---	---	670×730×102	---
	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	820×320×540	820×320×540	820×320×540	820×320×540	820×320×540
		Package	mm	870×360×590	870×360×590	870×360×590	870×360×590	870×360×590
	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
			---	123/160	116/143	123/160	113/144	116/143
Loading Quantity	40°GP40°HQ		---	---	---	---	---	---

Model	Outdoor Unit		GUHN18NK3A0			GUHN24NK3A0		
	Indoor Unit		Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
			GFH18K3B1	GKH18K3B1	GTH18K3B1	GFH24K3B1	GKH24K3B1	GTH24K3B1
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
EEFCOP			W/W	2.38/3.17	2.50/2.84	2.46/2.75	2.63/3.19	2.60/3.00
Power Supply			PhV/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
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
Indoor Unit	Air Flow Volume		m ³ /h	840/750/680	550/490/420	700/640/570	1600/1400/1200	1180/1080/1000
	Sound Pressure Level(dB(A))		CFM	494/441/400	324/288/247	412/377/335	941/804/706	694/635/588
			dB(A)	42/40/38	47/45/43	54/50/46	47/44/42	47/45/43
	Dimension (WxDxH)		mm	1012×736×266	600×600×230	836×695×238	1270×530×268	840×840×240
Panel	Net Weight/Gross Weight		kg	34/41	20/27	26/33	37/43	27/36
	Dimension (WxDxH)	Outline	mm	---	650×650×50	---	---	950×950×60
		Package	mm	---	670×730×102	---	---	1025×1040×115
	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	820×320×540	820×320×540	820×320×540	1018×412×695	1018×412×695
		Package	mm	870×360×590	870×360×590	870×360×590	1100×450×755	1100×450×755
	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
			---	116/132	113/114	116/143	92/94	52/60
Loading Quantity	40°GP40°HQ		---	---	---	---	---	---

Technical Information

U Match

Model	Outdoor Unit		GUHN30NK3A0			GUHN36NK3A0		
	Indoor Unit		Duct GFH30K3BI	Cassette GKH30K3BI	Floor Ceiling GTH30K3BI	Duct GFH36K3BI	Cassette GKH36K3BI	Floor Ceiling 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	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
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		m ³ /h	1500/1300/1100	1400/1270/1170	1600/1450/1300	2000/1900/1800	1660/1570/1500
	Sound Pressure Level(HAM)		CFM	88/76/65/647	82/47/47/688	94/85/37/65	117/61/118/1059	97/50/24/882
			dB(A)	47/44/42	51/49/48	52/51/49	50/48/46	53/51/48
	Dimension (WxDxH)	Outline	mm	1270×530×268	840×840×240	1420×700×245	1226×775×290	840×840×320
		Package	mm	1348×597×283	960×960×310	1545×825×330	1335×834×305	960×960×394
Panel	Net Weight/Gross Weight		kg	32/43	27/36	48/58	54/61	32/43
	Dimension (WxDxH)	Outline	mm	—	950×950×60	—	—	950×950×60
		Package	mm	—	1025×1040×115	—	—	1025×1040×115
Outdoor Unit	Net Weight/Gross Weight		kg	—	6.5/10	—	—	6.5/10
	Sound Pressure Level		dB(A)	59	59	59	60	60
	Dimension (WxDxH)	Outline	mm	980×427×790	980×427×790	980×427×790	1018×412×840	1018×412×840
		Package	mm	1080×485×840	1080×485×840	1080×485×840	1100×450×985	1100×450×985
Connection Pipe	Net Weight/Gross Weight		kg	70/75	70/75	70/75	90/100	90/100
	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
Loading Quantity		40°GP40HQ	—	74/85	56/64	72/84	64/70	44/53

Model	Outdoor Unit		GUHN36NM3A0			GUHN42NM3A0		
	Indoor Unit		Duct GFH36K3BI	Cassette GKH36K3BI	Floor Ceiling GTH36K3BI	Duct GFH42K3BI	Cassette GKH42K3BI	Floor Ceiling 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
Evaporator		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	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50	3/380-415/50
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		m ³ /h	2000/1900/1800	1660/1570/1500	1800/1630/1520	2000/1900/1800	1660/1570/1500
	Sound Pressure Level(HAM)		CFM	117/61/118/1059	97/50/24/882	105/60/59/894	117/61/118/1059	97/50/24/882
	Sound Pressure Level(HAM)		dB(A)	50/48/46	53/51/48	54/51/48	50/48/46	53/51/48
	Dimension (WxDxH)	mm	1226×775×290	840×840×320	1590×695×238	1226×775×290	840×840×320	1590×695×238
	Net Weight/Gross Weight	kg	133/5/834×305	960/960×394	1714/830×330	133/5/834×305	960/960×394	1714/830×330
	Net Weight/Gross Weight	kg	54/61	32/43	48/58	54/61	32/43	48/58
Panel	Dimension (WxDxH)	mm	—	950×950×60	—	—	950×950×60	—
	Package	mm	—	1025×1040×115	—	—	1025×1040×115	—
	Net Weight/Gross Weight	kg	—	6.5/10	—	—	6.5/10	—
	Sound Pressure Level	dB(A)	60	60	60	60	60	60
Outdoor Unit	Dimension (WxDxH)	mm	1018×412×840	1018×412×840	1018×412×840	1032×412×1250	1032×412×1250	1032×412×1250
	Package	mm	1100×450×985	1100×450×985	1100×450×985	1110×450×1385	1110×450×1385	1110×450×1385
	Net Weight/Gross Weight	kg	90/100	90/100	90/100	112/123	112/123	112/123
Connection Pipe	Outer Diameter	Liquid	inch	φ1/2	φ1/2	φ1/2	φ1/2	φ1/2
		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°GP40/HQ	—	64/70	44/53	55/58	45/49	42/48

Model	Outdoor Unit		GUH48NM3AO				GUH60NM3AO
	Indoor Unit		Duct GPH48K3BI	Cassete GKH48K3BI	Floor Ceiling GTH48K3BI	Duct GPH60K3BI	
Capacity	Cooling	W	14000	14000	14000	16000	
		Btu/h	48000	48000	48000	54600	
	Heating	W	15500	15500	15500	18500	
		Btu/h	52900	52900	52900	63100	
FER/COP		WW	2.41/2.87	2.41/2.50	2.30/2.67	2.46/3.36	
Power Supply		Ph/V/Hz	3/380.415/50	3/380.415/50	3/380.415/50	3/380.415/50	
Power Input	Cooling	kW	5.80	5.80	6.10	6.50	
	Heating	kW	5.40	6.20	5.80	5.50	
Current Input	Cooling	A	10.5	10.5	11.0	11.8	
	Heating	A	9.8	11.3	10.5	10.0	
Refrigerant Charge Volume		kg	3.8	3.8	3.8	5	
Indoor Unit	Air Flow Volume		m³/h	2300/2110/1850	1660/1570/1500	2100/1900/1800	2500/2070/1730
			CFM	1354/1242/1089	977/924/863	1236/1181/1059	1471/1218/1018
	Sound Pressure Level(dB(A))		(dB(A))	53/50/46	53/51/48	58/55/52	53/50/48
	Dimension (WxDxH)	Outline	mm	1226x775x290	840x840x320	1590x695x238	1226x815x330
		Package	mm	1335x834x305	960x960x409	1714x830x330	1395x882x345
	Net Weight /Gross Weight		kg	57/67	32/43	48/58	66/76
Panel	Dimension (WxDxH)	Outline	mm	—	950x950x60	—	—
		Package	mm	—	1020x1040x115	—	—
	Net Weight /Gross Weight		kg	—	6.5/10	—	—
Outdoor Unit	Sound Pressure Level		(dB(A))	63	63	63	64
	Dimension (WxDxH)	Outline	mm	1032x412x1250	1032x412x1250	1032x412x1250	1032x412x1250
		Package	mm	1110x450x1385	1110x450x1385	1110x450x1385	1110x450x1385
	Net Weight /Gross Weight		kg	112/123	112/123	112/123	123/134
Connection Pipe	Outer Diameter	Liquid	inch	φ1/2	φ1/2	φ1/2	φ1/2
		Gas	inch	φ3/4	φ3/4	φ3/4	φ3/4
Loading Quantity	Max distance	Height/Length	m	30/50	30/50	30/50	30/50
	40°GP40/HQ		—	45/49	42/48	44/49	45/49

Bee None Inverter High Wall



Technical Information								
	POWER SUPPLY	PIPE SIZES	STANDARD CHARGE (GRAMS)	MAX PIPE HEIGHT METRES	MAX PIPE LENGTH METRES	POWER AMPS FUSE RATING	ADDITIONAL CHARGE GRAMS PER METRE	INTERCONNECT CABLE
GWHD09	1ph 240v Indoor	1/4 3/8	870	5	20	13	15	3 x 1.5mm + Earth
GWHD12	1ph 240v Indoor	1/4 3/8	1170	5	20	13	20	3 x 1.5mm + Earth
GWHD18	1ph 240v Outdoor	1/4 1/2	1600	8	30	20	20	3 x 1mm + Earth
GWHD24	1ph 240v Outdoor	1/4 1/2	2400	8	30	30	60	3 x 1mm + Earth

Bee (On/Off)

Model			GWH07NA-K3NNB3A	GWH09NA-K3NNB1C	GWH12NB-K3NNB3C	GWH18ND-K3NNB3A	GWH24ND-K3NNB3A
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	7500	9000	11000	16000	21000
	Heating	Btu/h	8100	9600	12000	16700	22180
EER/COP		W/W	3.2/3.61	3.21/3.61	3.21/3.61	3.21/3.48	3.24/3.42
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	685	821	1004	1460	1900
	Heating	W	659	779	973	1430	1900
Rated Current	Cooling	A	4.6	4.97	6.43	9.2	12.1
	Heating	A	4.9	4.97	6.43	9.2	12.6
Airflow Volume		m ³ /h	400	400	550	850	850
Indoor Unit							
Sound Pressure Level	Indoor	dB(A)(SHHML)	40/37/35/32	40/37/35/32	41/38/35/32	46/44/39/35	46/44/39/35
Outline Dimension	W×H×D	mm	730×255×174	730×255×174	790×265×177	940×298×200	940×298×200
Package Dimension	W×H×D	mm	793×340×248	793×340×248	873×251×370	1013×383×300	1013×383×300
Net Weight/Gross Weight	Indoor	kg	8/10.5	8/10.5	9/12	13/17	13/17
Outdoor Unit							
Sound Pressure Level	Outdoor	dB(A)	50	50	52	55	56
Piping Connection	Gas	mm	φ9.52	φ9.52	φ9.52	φ12	φ12
	Liquid	mm	φ6	φ6	φ6	φ6	φ6
Outline Dimension	W×H×D	mm	720×428×310	776×540×320	776×540×320	848×540×320	913×680×378
Package Dimension	W×H×D	mm	768×490×353	823×358×595	823×358×595	881×595×363	997×765×431
Net Weight/Gross Weight	Outdoor	kg	23.5/26	31/34	31/35	40/44	46/50
Loading Quantity							
Loading Quantity	40°GP	sets	300	250	240	184	136
	40°HQ	sets	340	280	270	220	156



Energy efficiency class A



Timer



4-speed fan



Wide angle air outlet system



Up and down air outlet



Fixed and swing



Anti cool air design



Humanized sleep function



Cold plasma (optional)



Several optional healthy filters



Memory function



Independent dehumidification system



Rapid cooling (heating)



Quiet design



Intelligent defrosting



Low voltage startup



Diagnosis displaying



Chord system



GWH09BANK3A1A
GWH122BNK3A1A



GWH18BCKN3A1A



GWH24BCKN3A1A

Silent R410A/D.C.Inverter



24 dB(A)



Energy efficiency class A



wide frequency design



Fahrenheit and Celsius compatible



Turbo



Amb. temp. setting temp. display



Timer



Humanized sleep function



Inverter for 50Hz/60Hz



I feel



Quiet design (optional)



Cold plasma (optional)



Memory function



Several optional healthy filters



Auto clean



Wide angle air outlet system



Up and down air outlet



Low voltage startup



Fixed and swing



Anti cool air design



Independent dehumidification system



Intelligent defrosting



Lock



4-speed fan

G¹⁰ Inverter

Technical Information

	POWER SUPPLY	PIPE SIZES	STANDARD CHARGE (GRAMS)	MAX PIPE HEIGHT METRES	MAX PIPE LENGTH METRES	POWER AMPS FUSE RATING	ADDITIONAL CHARGE GRAMS PER METRE	INTERCONNECT CABLE
GWH09	1ph 240v Indoor	1/4 3/8	700	5	15	13	15	3 x 1.5mm + Earth
GWH12	1ph 240v Indoor	1/4 1/2	960	5	15	13	15	3 x 1.5mm + Earth
GWH18	1ph 240v Outdoor	1/4 1/2	1400	8	20	20	22	3 x 1.0mm + Earth
GWH24	1ph 240v Outdoor	3/8 5/8	1900	8	30	20	50	3 x 1.0mm + Earth

Model			GWC09KF-K3DNA5A	GWH09KF-K3DNA5A	GWC12KF-K3DNA5A	GWH12KF-K3DNA5A
Function	Cooling	Btu/h	9000 (1500~11600)	9000 (1500~11000)	12000 (2000~13500)	12000 (2000~13500)
	Heating	Btu/h	/	12000 (1500~14000)	/	13990 (2000~17500)
Capacity						
EER/COP		W/W	3.3	3.3/3.7	3.21	3.21/3.61
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	800 (200~1350)	800 (200~1350)	1100 (220~1450)	1100 (220~1450)
	Heating	W	/	950 (200~1450)	/	1135 (220~1550)
Rated Current	Cooling	A	6.11	6.11	6.57	6.57
	Heating	A	/	6.57	/	7.02
Airflow Volume		Indoor	m ³ /h	600	680	680
Indoor Unit						
Sound Pressure Level	Indoor	dB(A)(3/4HMM)	41/58/30/24	41/58/30/25	42/59/31/25	42/59/31/26
Outline Dimension	WxHxD	mm	770x283x201	770x283x201	770x283x201	770x283x201
Package Dimension	WxHxD	mm	847x276x345	847x276x345	847x276x345	847x276x345
Net Weight/Gross Weight	Indoor	kg	8/11	8/11	9/12	9/12
Outdoor Unit						
Sound Pressure Level	Outdoor	dB(A)	51	51	53	53
Piping Connection	Gas	mm	φ9.52	φ9.52	φ9.52	φ9.52
	Liquid	mm	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	710x550x318	710x550x318	710x550x318	710x550x318
Package Dimension	WxHxD	mm	774x607x351	774x607x351	774x607x351	774x607x351
Net Weight/Gross Weight	Outdoor	kg	27/31	28/32	29/33	30/34
Loading Quantity						
Loading Quantity	40°GP	sets	235	235	235	235
	40°HQ	sets	273	273	273	273

Model			GWC18KG-K3DNA5A	GWH18KG-K3DNA5A	GWH18KG-K3DNA5B	GWC24KG-K3DNA5A	GWH24KG-K3DNA5A	GWH24KG-K3DNA5B
Capacity	Cooling	Btu/h	18000 (3600~22000)	18000 (3600~22000)	18000 (3600~22000)	22000 (4800~24000)	22000 (4800~24000)	22000 (4800~24000)
	Heating	Btu/h	/	20000 (3400~24000)	20000 (3400~24000)	/	23000 (4000~27000)	23000 (4000~27000)
EER/COP		W/W	3.21	3.21/3.61	3.31/3.62	3.25	3.25/3.62	3.22/3.62
Power Supply		Ph, V/Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz
Power Input	Cooling	W	1650 (360~2650)	1600 (360~2500)	1600 (360~2500)	1985 (350~2500)	1985 (350~2500)	2000 (350~2600)
	Heating	W	/	1578 (350~2600)	1600 (350~2600)	/	1930 (350~2700)	1850 (350~2700)
Rated Current	Cooling	A	12	12.10	11.54	12.60	12.60	11.98
	Heating	A	/	12.10	11.54	/	12.60	11.98
Airflow Volume		Indoor	m ³ /h	800	800	950	950	1000
Indoor Unit								
Sound Pressure Level	Indoor	dB(A)(5/4HMM)	45/40/37/32	45/40/37/32	45/40/37/32	46/42/37/32	46/42/37/32	48/44/39/34
Outline Dimension	WxHxD	mm	865x305x215	865x305x215	865x305x215	1008x319x221	1008x319x221	1008x319x221
Package Dimension	WxHxD	mm	948x383x310	948x383x310	948x383x310	1076x398x328	1076x398x328	1076x398x328
Net Weight/Gross Weight	Indoor	kg	12/16	12/16	12/16	15/20	15/20	15/20
Outdoor Unit								
Sound Pressure Level	Outdoor	dB(A)	54	54	56	54	54	56
Piping Connection	Gas	mm	φ12	φ12	φ12	φ12	φ12	φ12
	Liquid	mm	φ6	φ6	φ6	φ6	φ6	φ6
Outline Dimension	WxHxD	mm	955x700x396	955x700x396	955x700x396	955x700x396	955x700x396	955x700x396
Package Dimension	WxHxD	mm	1029x750x458	1029x750x458	1029x750x458	1029x750x458	1029x750x458	1029x458x750
Net Weight/Gross Weight	Outdoor	kg	46/51	52/57	52/57	51/56	52/57	55/60
Loading Quantity								
Loading Quantity	40°GP	sets	127	127	127	120	120	120
	40°HQ	sets	145	145	145	140	140	140



GWC09KF-K3DNA5A
 GWH09KF-K3DNA5A
 GWC12KF-K3DNA5A
 GWH12KF-K3DNA5A



GWC18KG-K3DNA5A
 GWH18KG-K3DNA5A



GWC24KG-K3DNA5A
 GWH24KG-K3DNA5A

Indoor unit

Model	Power supply	Function	Capacity (Btu/h)	Airflow (m³/h)	Body size (mm)	Package size (mm)	N.W/G.W (Kg)	Noise dB(A) (H/M/L)
GWHD(07)BANK3A1AI	1Ph, 220– 240V, 50Hz	Cooling	7100	420	770×250×190	830×330×296	8.5/12.5	36/34/28
		Heating	8900					
GWHD(09)BANK3A1BI		Cooling	9000	450	770×250×190	830×330×296	8.5/12.5	36/34/28
		Heating	9600					
GWHD(12)BANK3A1BI		Cooling	12000	550	830×285×189	906×385×265	11/14	40/36/30
		Heating	13000					

Outdoor unit

Model	Power supply	Function	Capacity (Btu/h)	Power input (W)	EER/C.O.P (W/W)	Body size (mm)	Package size (mm)	N.W/G.W (Kg)	Noise dB(A)
GWH-D(18)NK3AO	1Ph, 220–240V, 50Hz	Cooling	7100/18000/21200	620/1500/2250	3.33	913×680×378	994×725×428	52/57	56
		Heating	5500/20500/22200	650/1740/2350	3.45				
GWH-D(21)NK3AO		Cooling	6500/21500/22500	550/1960/2800	3.21	1018×840×412	1100×880×450	72/77	58
		Heating	5500/24600/25600	620/1990/2990	3.62				
GWH-D(24)NK3AO		Cooling	9900/24000/28300	1050/2180/3280	3.21	1018×840×412	1100×880×450	68/74	59
		Heating	9200/30000/33500	1200/2550/3500	3.41				

■ Note: For technical improvement, the specifications, designs and information in this catalogue are subject to change without notice.

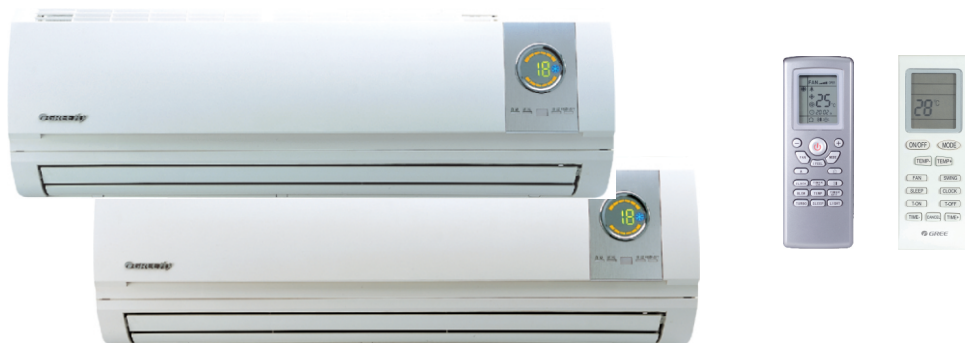


GWH-D(18)NK3AO



GWH-D(21)NK3AO
GWH-D(24)NK3AO

Inverter Multi Split Wall Mounted



- | | | | | | | | | |
|--|--|--|---|---|---|---|---|--|
| 
Energy efficiency class A | 
Timer | 
4-speed fan | 
Wide angle air outlet system | 
Up and down air outlet | 
Fixed and swing | 
Anti cool air design | 
Humanized sleep function | 
Cold plasma (optional) |
| 
Several optional healthy filters | 
Memory function | 
Independent dehumidification system | 
Rapid cooling (heating) | 
Quiet design | 
Intelligent defrosting | 
Low voltage startup | 
Diagnosis displaying | 
Chord system |

Technical Information

	POWER SUPPLY	PIPE SIZES	MAX PIPE HEIGHT METRES	MAX PIPE LENGTH METRES	POWER AMPS FUSE RATING	ADDITIONAL CHARGE GRAMS PER METRE	INTERCONNECT CABLE
GWHD07	1ph 240v Outdoor	1/4 3/8	5	20	20	15	3 x 1mm + E
GWHD09	1ph 240v Outdoor	1/4 3/8	5	20	30	15	3 x 1mm + E
GWHD12	1ph 240v Outdoor	1/4 1/2	5	20	30	15	3 x 1mm + E
GWHD18	1ph 240v Outdoor	1/4 1/2	8	30	30	22	3 x 1mm + E
GWHD21	1ph 240v Outdoor	1/4 1/2	8	30	30	22	3 x 1mm + E
GWHD24	1ph 240v Outdoor	3/8 5/8	8	30	30	50	3 x 1mm + E

Fresh Wind



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

Fresh Wind

Model			GVA24AG-K3NNASA	GVA36AH-M3NNASA	GVA48AH-M3NNASB	GVA60AH-M3NNASA
Function			Cooling/heating	Cooling/heating	Cooling/heating	Cooling/heating
Capacity	Cooling	Btu/h	24000	37500	42002	52988
	Heating	Btu/h	27000	39600	42002	64828
EBPRCOP		W/W	2.96/3.32	2.85/3.01	2.61/2.90	2.51/2.91
Power Supply		Ph/V/Hz	1Ph, 220~240V/50Hz	3Ph, 380~415V/50Hz	3Ph, 380~415V/50Hz	3Ph, 380~415V/50Hz
Power Input	Cooling	W	2430	3920	4720	6190
	Heating	W	2350	4220	5050(7550)	6530(9030)
Input of Heater		W			2500	2500
Rated Current	Cooling	A	14.13	9.86	10.9	13.2
	Heating	A	/	9.86	14.1	16.6
Airflow Volume	Indoor	m³/h	1100	1700	1800	2000
Indoor Unit:						
Sound Pressure Level	Indoor	dB(A)@1m/1m(A)	58/55/52/50	51/49/47/45	52/50/48/46	54/52/50/47
Outline Dimension	WxHxD	mm	500x1757x300	518x1870x395	581x1870x395	581x1870x395
Package Dimension	WxHxD	mm	1943x450x633	2083x545x738	2083x545x738	2083x545x738
Net Weight/Gross Weight	Indoor	kg	40/60	60/86	60/86	63/89
Outdoor Unit:						
Sound Pressure Level	Outdoor	dB(A)	56	59	59	63
Piping Connection	Gas	mm	φ16	φ19	φ19	φ19
	Liquid	mm	φ9.52	φ12	φ12	φ12
Outline Dimension	WxHxD	mm	1018x840x412	1032x1250x412	1032x1250x412	1032x1250x412
Package Dimension	WxHxD	mm	1103x920x453	1113x1400x453	1113x1400x453	1113x1400x453
Net Weight/Gross Weight	Outdoor	kg	69/74	105/116	105/116	117/128
Loading Quantity	40'GP	sets	54	34	35	35
	40'HQ	sets	64	42	42	42

Special Order Only

Note: O.D.: Outline dimension
P.D.: Package dimension
M.P.L.: Max. piping length



Free Match R410A/D.C. Inverter



Btu/h	7000	9000	12000	18000
Wall mounted				
Floor ceiling				
Cassette				
Duct type				

Types of indoor unit combinations

4 combinations					5 combinations					7 combinations				
 GWHD(24)JNK3AO	One unit	Two units			 GWHD(18)JNK3AO	One unit	Two units			 GWHD(21)JNK3AO	One unit	Two units		
	7	12	12			7	7+7	9+9			7	7+9	9+12	
	9					9					9	7+12	12+12	
	12					12					12			(Artif only)

Free Match R410A/D.C. Inverter

24 combinations

One unit	Two units		Three units	
	7+7	9+9	7+7+7	7+9+9
	7+9	9+12	7+7+9	7+9+12
	7+12	12+12	7+7+12	7+12+12
	7+18	9+18	7+7+18	7+9+18
	12+18		7+12+18	9+12+18

44 combinations

One unit	Two units		Three units		Four units	
	7+7	9+9	7+7+7	7+9+9	7+7+7+7	7+7+12+12
	7+9	9+12	7+7+9	7+9+12	7+7+7+9	7+9+9+9
	7+12	12+12	7+7+12	7+12+12	7+7+7+12	7+9+12+12
	7+18	9+18	7+7+18	7+9+18	7+9+9+18	9+9+9+9
	12+18		7+12+18	9+12+18	7+7+7+18	7+9+9+18
					7+7+9+18	7+9+12+18
					7+7+12+18	9+12+12+18

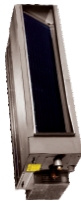
Outdoor unit

Model	Power supply	Function	Capacity (min~nom~max) (Btu/h)	Power input (min~nom~max) (W)	EER(C.O.P (W/W)	Body size (W×H×D) (mm)	Package size (W×H×D) (mm)	N.W(G.W (kg)	Noise(H/L) dB(A)	Liquid side	Gas side
GWHD(18)NK3AO	1Ph, 220~240V/ 50Hz	Cooling	7100~18000~21200	620~1500~2250	3.33	913 × 680 × 378	994 × 725 × 428	52/57	56/54	φ 6 (1/4")	φ 9.52 (3/8")
		Heating	5500~20500~22200	650~1740~2350	3.45						
GWHD(21)NK3AO		Cooling	6500~21500~22500	550~1960~2800	3.21	1018 × 840 × 412	1100 × 880 × 450	72/77	58/55	φ 6 (1/4")	φ 9.52 (3/8") φ 12 (1/2")
		Heating	5500~24600~25600	620~1990~2990	3.62						
GWHD(24)NK3AO		Cooling	9900~24000~28300	1050~2180~3280	3.21	1018 × 840 × 412	1100 × 880 × 450	68/73	59/58	φ 6 (1/4")	φ 12 (1/2")
		Heating	9200~30000~33500	1200~2550~3500	3.41						
GWHD(24)NK3CO		Cooling	9200~24300~34100	1000~2200~4700	3.23	1018 × 840 × 412	1100 × 880 × 450	75/80	60/54	φ 6 (1/4")	φ 9.52 (3/8") φ 12 (1/2")
		Heating	9600~29000~37600	1000~2350~4000	3.62						
GWHD(28)NK3AO		Cooling	9200~27300~34100	1000~2480~4700	3.23	1018 × 840 × 412	1100 × 880 × 450	75/80	60/54	φ 6 (1/4")	φ 9.52 (3/8") φ 12 (1/2")
		Heating	9600~31700~37600	1000~2550~4000	3.65						



Cassette

	Model	Function	Capacity (Btu/h)	Airflow (m ³ /h)	Noise(H/M/L) dB(A)	Body size (W x H x D)		Package size (W x H x D)		N.W/G.W (kg)	
						Body	Panel	Body	Panel	Body	Panel
	GKHD(12)ABNK3A2AI	Cooling	12000	680	44/40/36	600 x 230 x 600	650 x 50 x 650	848 x 310 x 678	730 x 102 x 670	20/27	5.0/6.7
		Heating	13000								
	GKHD(18)ABNK3A2AI	Cooling	18000	680	47/44/39						
		Heating	18800								



Duct type

	Model		Function	Capacity (Btu/h)	Airflow (m ³ /h)	Noise(H/M/L) dB(A)	Body size (W × H × D) (mm)		Package size (W × H × D) (mm)	N.W/G.W (kg)
	GFHD(09)AANK3A1AI		Cooling	9000	450	37/37/30	913 × 220 × 680		995 × 258 × 750	27/32
			Heating	9600						
	GFHD(12)AANK3A1AI		Cooling	12000	520	40/40/33	913 × 220 × 680		995 × 258 × 750	27/32
			Heating	13000						
	GFHD(18)AANK3A1AI		Cooling	18000	840	42/42/33	1012 × 266 × 736		1120 × 308 × 795	36/39
			Heating	18800						

Free Match R410A/D.C. Inverter

Wall mounted



Model	Function	Capacity (Btu/h)	Airflow (m ³ /h)	Noise(H/M/L) dB(A)	Body size (W × H × D) (mm)		Package size (W × H × D) (mm)	N.W/G.W (kg)
GWHD(07)AANK3A1BI	Cooling	7100	420	35/32/29	815 × 267 × 165		890 × 344 × 260	10/13
	Heating	8900						
GWHD(09)AANK3A1BI	Cooling	9000	450	35/32/29	815 × 267 × 165		890 × 344 × 260	10/13
	Heating	9600						
GWHD(12)AENK3A1BI	Cooling	12000	550	35/33/30	872 × 283 × 178		935 × 375 × 260	11/15
	Heating	13000						
GWHD(18)ACNK3A1AI	Cooling	18000	840	43/38/34	960 × 300 × 195		1035 × 390 × 280	13/18
	Heating	19800						



Floor ceiling



Model	Function	Capacity (Btu/h)	Airflow (m ³ /h)	Noise(H/M/L) dB(A)	Body size (W × H × D) (mm)		Package size (W × H × D) (mm)	N.W/G.W (kg)
GTHD(09)AANK3A1AI	Cooling	9000	550	45/40/32	836 × 695 × 238		935 × 805 × 295	27/35.5
	Heating	9600						
GTHD(12)AANK3A1AI	Cooling	12000	600	46/43/36	836 × 695 × 238		935 × 805 × 295	27/35.5
	Heating	13000						
GTHD(18)AANK3A1AI	Cooling	18000	700	54/50/47	836 × 695 × 238		935 × 805 × 295	27/35.5
	Heating	18800						





Window R410A



Low
voltage startup



Quiet design



Memory
function



Rapid cooling
(heating)



Model			GC05BHCMMN1A*	GC07AA-EMN1A	GC07AA-EMN2A	GC09AA-EMN1A	GC09AA-EMN2A	GC12AB-EMN1A
Function			Cooling	Cooling	Cooling	Cooling	Cooling	Cooling
Capacity	Cooling	Btu/h	5000	7170	7170	8870	8870	12800
EW/COP		W/W	2.6	3.02	3.02	3.02	3.02	2.76
Power Supply		Ph, V/Hz	1Ph, 220-240V/50Hz	1Ph, 220V, 50Hz	1Ph, 220V, 50Hz	1Ph, 220V, 50Hz	1Ph, 220V, 50Hz	1Ph, 220V, 50Hz
Power Input	Cooling	W	565	695	695	860	860	1270
Rated Current	Cooling	A	3.45	5.8	5.8	5.8	5.8	7.8
Control Mode			Mechanical	Mechanical	Remote	Mechanical	Remote	Mechanical
AirFlow Volume	Indoor	m³/h	250	360	360	360	360	480
Sound Pressure Level	Indoor	dBA(dB(A))	59/456	49/4745	49/4745	49/4745	49/4745	53/5189
	Outdoor	dBA(dB(A))	69/46	56/5452	56/5452	56/5452	56/5452	61/5957
Outline Dimension	Width	mm	406x333x303	450x350x580	450x350x580	450x350x580	450x350x580	560x375x618
Package Dimension	Width	mm	456x391x380	521x374x671	521x374x671	521x374x671	521x374x671	661x463x727
Net Weight Gross Weight		kg	17/18	35/38	35/38	36/39	36/39	46/52
Loading Quantity								
	40/GP	sets	900	444	444	444	444	255
	40/HQ	sets	1045	518	518	518	518	258

*This unit uses different panel. Please contact our sales manager for details.

Coolant

Model			GC12AB-EMN2A	GC18AC-EMN1A	GC18AC-EMN2A	GC18AC-EMN1A	GC18AC-EMN2A
Function			Cooling	Cooling	Cooling	Cooling	Cooling
Capacity	Cooling	Btu/h	11942	18015	18015	22519	22519
EW/COP		W/W	2.76	2.75	2.75	2.72	2.72
Power Supply		Ph, V/Hz	1Ph, 220V, 50Hz	1Ph, 220V, 50Hz	1Ph, 220V, 50Hz	1Ph, 220V, 50Hz	1Ph, 220V, 50Hz
Power Input	Cooling	W	1270	1900	1900	2430	2430
Rated Current	Cooling	A	7.8	12.4	12.4	16.2	16.2
Control Mode			Remote	Mechanical	Remote	Mechanical	Remote
AirFlow Volume	Indoor	m³/h	480	730	730	930	930
Sound Pressure Level	Indoor	dBA(dB(A))	53/5149	55/5351	55/5351	60/5956	60/5956
	Outdoor	dBA(dB(A))	61/5957	63/6159	63/6159	65/6361	65/6361
Outline Dimension	Width	mm	618x560x375	770x660x428	770x660x428	660x770x428	660x770x428
Package Dimension	Width	mm	661x463x727	730x515x793	730x515x793	730x505x863	730x505x863
Net Weight Gross Weight		kg	48/52	65/73	65/73	72/79	72/79
Loading Quantity							
	40/GP	sets	255	180	180	160	160
	40/HQ	sets	255	225	225	205	205

Coolani

Model			GJH07AB-K3MN88A	GJH07AB-K3RN89A	GJH09AB-K3MN88A	GJH09AB-K3RN89A	GJH12AD-K3MN88A
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	7330	7330	9550	9550	12960
	Heating	Btu/h	6820	6820	8530	8530	119420
EER/COP		W/W	3.07/3.42	3.07/3.42	3.04/3.42	3.04/3.42	3.04/3.42
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	700	700	920	920	1260
	Heating	W	585	585	730	730	1025
Rated Current	Cooling	A	5	5	5.9	5.9	9.1
	Heating	A	3.9	3.9	5.1	5.1	7.8
Control Mode			Mechanical	Remote	Mechanical	Remote	Mechanical
Airflow Volume		Indoor m ³ /h	480	480	480	480	790
Sound Pressure Level	Indoor	dB(A)(HMM)	50/48/46	50/48/46	50/48/46	50/48/46	53/51/49
	Outdoor	dB(A)(HMM)	58/56/54	58/56/54	58/56/54	58/56/54	61/59/57
Outline Dimension		WxHxD mm	560x375x18	560x375x18	560x375x18	560x375x18	660x428x700
Package Dimension		WxHxD mm	621x435x687	621x435x687	621x435x687	621x435x687	739x515x793
Net Weight/Gross Weight		kg	43/47	43/47	43/47	43/47	57/63
Loading Quantity	40'GP	sets	285	285	285	285	180
	40'HQ	sets	342	342	342	342	225

Coolani

Model			GJH12AD-K3RN89A	GJH18AC-K3RN89A	GJH18AC-K3RN89A	GJH24AC-K3MN88A	GJH24AC-K3RN89A
Function			Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating	Cooling/Heating
Capacity	Cooling	Btu/h	12960	18800	18800	21020	21020
	Heating	Btu/h	11940	18000	18000	20500	20500
EER/COP		W/W	3.04/3.42	3.02/3.42	3.02/3.42	3.01/3.01	3.01/3.01
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	1260	1770	1770	2050	2050
	Heating	W	1025	1550	1550	1750	1750
Rated Current	Cooling	A	9.1	7.7	7.7	8.7	8.7
	Heating	A	7.8	6.9	6.9	8	8
Control Mode			Remote	Mechanical	Remote	Mechanical	Remote
Airflow Volume		Indoor m ³ /h	730	850	850	900	900
Sound Pressure Level	Indoor	dB(A)(HMM)	53/51/49	57/55/53	57/55/53	58/56/53	58/56/53
	Outdoor	dB(A)(HMM)	61/59/57	67/65/63	67/65/63	68/66/63	64/62/59
Outline Dimension		WxHxD mm	660x428x700	660x428x770	660x428x770	660x428x770	770x660x428
Package Dimension		WxHxD mm	739x515x793	739x505x863	739x505x863	739x505x863	739x505x863
Net Weight/Gross Weight		kg	57/63	66/73	66/73	75/82	75/82
Loading Quantity	40'GP	sets	180	160	160	160	160
	40'HQ	sets	225	205	205	205	205



Easy Cool



Comfortable Sleep Mode

- When cooling, indoor temp automatically rises;
- When heating, indoor temp automatically drops.

Auto Clean

- Cross fan continue blowing to dry indoor unit inside after switched off, to keep clean and healthy.



Timer



Comfortable Sleep Mode



Automatic Operation



Auto Restart



Self-diagnosis



Compact Design



Lock



Healthy Filters

Features: ● Standard ● Optional

Easy Cool (On/Off)

Model			GPC09AE-K3NN47A	GPC12AF-K3NN47A
Function			Cooling	Cooling
Capacity	Cooling	Btu/h	9000	12000
	Heating	Btu/h	/	/
EER/CO.P			2.61	2.62
Power Supply			1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Power Input	Cooling	W	1010	1340
	Heating	W	/	/
Rated Current	Cooling	A	5.8	6.9
	Heating	A	/	/
Airflow Volume	Indoor side	m ³ /h	420	450
Sound Pressure Level	Indoor side	dB(A)(WMA)	56/52/50	58/56/52
Outline Dimension	WxHxD	mm	450x840x400	500x840x460
Package Dimension	WxHxD	mm	533x885x488	534x584x877
Net Weight/Gross Weight		kg	36/42	45/52.5
Loading Quantity	40°GP	sets	192	172
	40°HQ	sets	288	258

Koobe



Compact Design

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

Self-diagnosis

The unit shows error codes automatically when it does not work well, for easier maintenance.



Timer



Comfortable Sleep Mode



Automatic Operation



Auto Restart



Self-diagnosis



Compact Design



Lock



Healthy Filters

Features: ● Standard ● Optional

Koobe

Model			GPC08AH-K3NNCSA	GPC08AH-K3NNCSA
Function			Cooling	Cooling
Capacity	Cooling	Btu/h	8000	9000
	Heating	Btu/h	/	/
EER/COP			2.63	2.64
Power Supply			1Ph, 220~240V, 50Hz	1Ph, 220~240V, 50Hz
Power Input	Cooling	W	890	1000
	Heating	W	/	/
Rated Current	Cooling	A	4.9	5.5
	Heating	A	/	/
Control Mode			Remote/Electrical	Remote/Electrical
Airflow Volume	Indoor side	m ³ /h	350	350
Sound Pressure Level	Indoor side	dB(A)(1/1m)	56/54/52	56/54/52
Outline Dimension	WxHxD	mm	300x807x375	300x807x375
Package Dimension	WxHxD	mm	355x850x565	355x850x565
Net Weight/Gross Weight			23.5/28.5	27/32
Loading Quantity				
40°GP	40°GP	sets	264	264
	40°HQ	sets	396	396

Sunny Dehumidifier



Consecutive Drainage Function

Free of the hassle of pouring water away yourself.

5°C Low Temperature Operation

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



0.5 W
Standby



Water Full
Indicator



Self-diagnosis



External Drain
Connector



Healthy Filters



Real-time
Display of
Ambient Humidity



Water Level
Display



Water Overflow
Protection



Filter Cleaning
Reminder

Features: ● Standard ● Optional

Sunny R134a

Model		GDN10AH-K4MBB2A	GDN12AH-K4MBB2A	GDN16AH-K4EBB2A	GDN20AH-K4EBB2A	GDN24AH-K4EBB2A
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	150/170/145
Sound Pressure Level	dB(A)	43	45	45	45	47
Water Tank Volume	L	4/4.8	4/4.8	4/4.8	4/4.8	4/4.8
Outline Dimension (W×H×D)	mm	343×528×262	343×528×262	343×523×262	343×523×262	343×523×262
Package Dimension (W×H×D)	mm	396×555×315	396×555×315	396×555×315	396×555×315	396×555×315
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	256	256	256	256	256
Loading Quantity (40'HQ)	sets	256	256	256	256	256



Cutee



Color Band Design

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

9500Btu/h Cooling Capacity

The cooling capacity reaches as large as 9500 Btu/h for maximum cooling enjoyment.



1W Standby



Comfortable Sleep Mode



Timer



Auto Restart



Self-diagnosis



Compact Design



Lock



Healthy Filters

Features: ● Standard ● Optional

Cutee

Model			GPC08A1-H3NNC6A	GPC10A1-H3NNC6A
Function			Cooling	Cooling
Capacity	Cooling	Btu/h	8000	9500
	Heating	Btu/h	/	/
EER/COP		W/W	2.61	2.61
Power Supply		Ph/V/Hz	1Ph, 220-240V/50Hz	1Ph, 220-240V/50Hz
Power Input	Cooling	W	900	1065
	Heating	W	/	/
Rated Current	Cooling	A	4.8	5.4
	Heating	A	/	/
Control Mode			Remote/Electrical	Remote/Electrical
Airflow Volume	Indoor	m ³ /h	250	250
Sound Pressure Level	Indoor	dBA(HAM)	56/54/52	56/54/52
Outline Dimension	W×H×D	mm	340×780×394	340×780×394
Package Dimension	Indoor	mm	400×815×550	400×815×550
Net Weight Gross Weight		kg	23.5/29	27/32.5
Loading Quantity				
	40'GP	sets	242	242
	40'HQ	sets	363	363



It's Time For Change

UNIT 5
LOW MOOR BUSINESS PARK
COMMON ROAD
LOW MOOR
BRADFORD BD12 0NB

TEL 01274 671235

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Email info@acddirect.co.uk

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