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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.

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GC-1809-05

Distributor information

AIR CONDITIONER

Light Commercial

- U-match
- Big Duct Type Unit
- Air-cooled Packaged Unit

T1, 50Hz, R410A / R32

MADE IN CHINA
LOVED BY THE WORLD

Gree Electric Appliances, Inc. of Zhuhai, founded in 1991, is a diversified international industrial group, whose business covers residential air conditioners, central air conditioners, intelligent equipments, home appliances, air source water heaters, smart phones, refrigerators, etc.

- Since 2005, Gree has topped No.1 in production and sales volume of residential air conditioners for 13 consecutive years.
- 2015, Gree's sales revenue exceeded 15.08 billion USD.
- 2016, sales revenue exceeded 16.51 billion USD.
- 2017, sales revenue exceeded 22.21 billion USD.
- 2018, Gree entered into the list of Forbes Global 2000 again and ranked No. 294, moving up 70 places compared with the previous year.

Gree has paid some 14.26 billion USD in total tax, being the No.1 in terms of tax payment in the Chinese home appliances industry for 16 consecutive years.

Thanks to 300 million users ' choices, Gree products are widely sold in more than 200 countries and regions. Today Gree's annual production capacity of RAC and CAC is more than 60 million and 5.5 million sets respectively.

Action makes the future and innovation makes achievement. Looking forward, Gree will press ahead with its business philosophy of passion, innovation and realization. We aim to build an air conditioning enterprise of some hundred year's standing, to create a better life for humankind.

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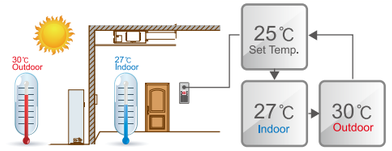
U-match

U-match Series Air Conditioners fall between residential air conditioners and central air conditioners. Their capacity scope is wider than that of residential air conditioners; from 12KBtu/h to 60KBtu/h. Indoor units of floor ceiling type, duct type and cassette type are available. Their installation is simpler than that of conventional central air conditioners, with low installation cost and no need of welding. They are well suited to the area from 16m^2 to 140m^2, such as apartments, villas, hotels and offices.

More Convenient & Comfortable

Multiple Temperature Displays

Indoor set temperature, indoor ambient temperature and outdoor ambient temperature can be displayed. Meanwhile, the display of the three kinds of temperature can be switched freely through the remote controller or wired controller.



Setting Function of Indoor Dual Temperature Sensors

In order to better control indoor ambient temperature and improve user's comfort, we design the indoor dual temperature sensors. Indoor unit and wired controller are equipped with the temperature sensors. The unit will automatically start the suitable temperature sensors according to the mode.

Cold Air Prevention Function

When the unit just starts heating or the outdoor unit just finishes defrosting, the temperature of indoor evaporator is quite low. If the indoor fan operates in this case, cold air will blow out. Our products are optimized in design to prevent cold air so as to improve user's comfort.

Power-off Memory Function

The user can set power-off memory function. If this function is activated, the unit will automatically operate in previous setting mode when power recovers after power failure.

Gate Control Function (Optional)

This function is especially for some special places like hotels, which is optional. When this function is set and gate control accessories are connected, the unit will control unit on/off according to the card status detected by the gate control detection board. When the card is removed, the unit will turn to standby status.

Gate control accessory

Low-temperature Cooling Function

Although outdoor temperature is quite low in winter, some places with heat source(e.g. barbecue restaurant) still need cooling. Our unit is capable of cooling operation in outdoor ambient temperature of -15℃.

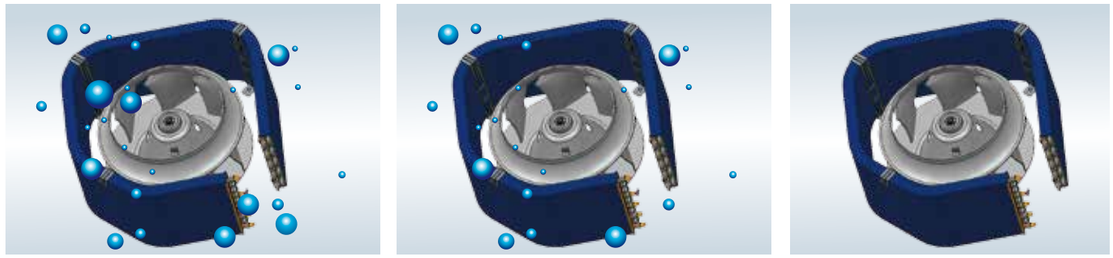
Water Full Protection (Optional)

If the water cannot drain out properly for the failure of water pump or other causes, this function will be activated automatically and the unit will stop for protection when the water in the indoor unit reaches a certain level.

Air Handling Function

Auto Clean(X-FAN)

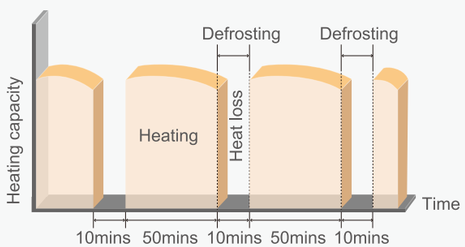
Do you know that water in IDU will give birth to bacteria which will affect human health? U-match will wipe out water, caring for your health!



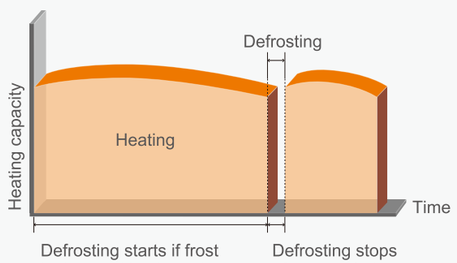
Safer & More Reliable

Intelligent Defrosting

Did you ever feel annoyed when the air conditioner stopped heating because of defrosting? This problem is already resolved by U-match. Unit only starts defrosting when it's necessary. More energy-saving and comfortable to you.



Traditional



Now

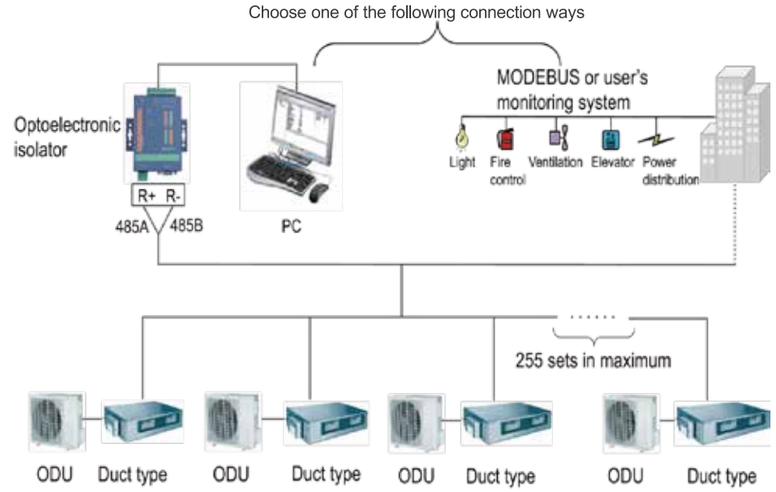
Antifreezing Protection

If frost of outdoor condenser is detected by the unit, the compressor will stop for protection.

Centralized Control Function

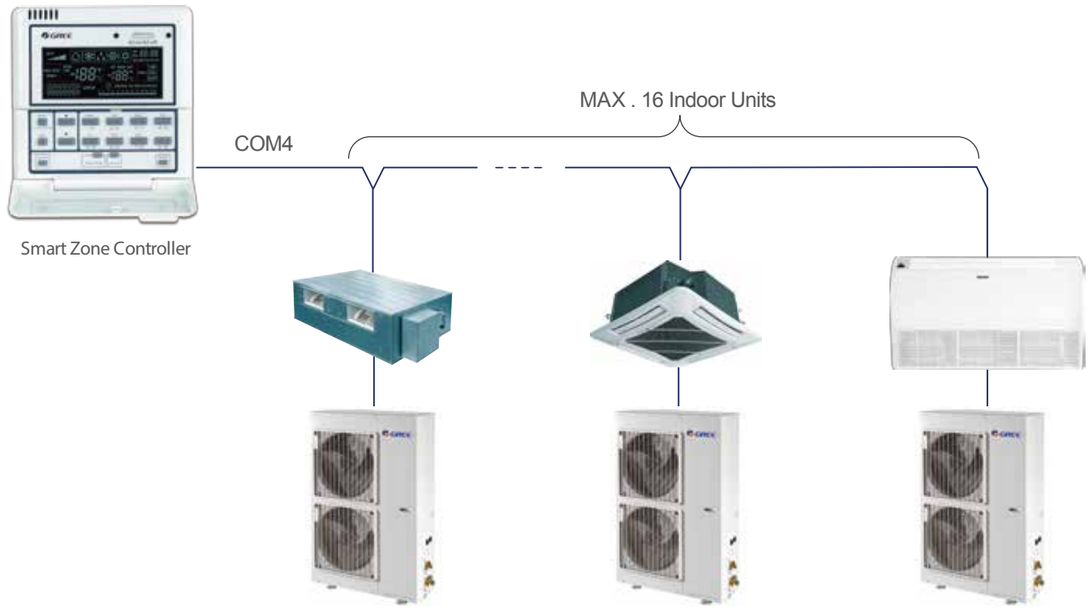
Building Management System Interface (MODBUS Protocol) and Long-distance Monitoring

The unit is with build-in MODBUS interface. If the unit is to be connected with the building management system, please consult Gree for the development of MODBUS protocol. In this case, the unit operation information will be sent to the building management system in order to control and monitor the units.



Smart Zone Controller (Optional)

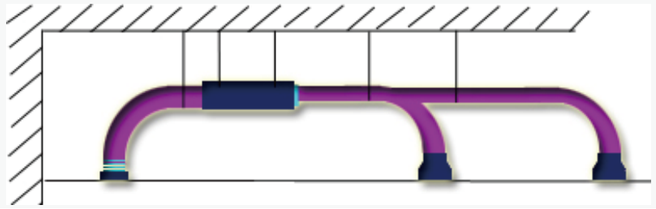
The indoor unit is equipped with the interface that can be connected with Gree smart zone controller, in order to realize central control of 16 units in maximum. It can control the on/off, mode, fan speed, temperature setting and timer of a single unit or a group of units.



Introduction of Indoor Units

Duct Type Indoor Unit

The static pressure can be adjusted within 0~100Pa, applicable for various installation requirements.

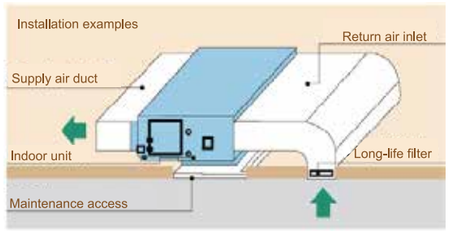


Adjustable Fan Speed

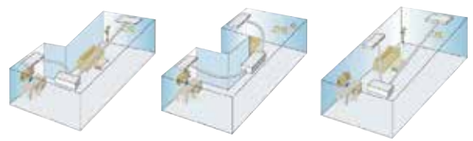
Fan speed of indoor unit can be adjusted by wired controller and there are 4 kinds of speed(turbo, high, medium, low) to meet different requirements.

Highly Flexible Installation

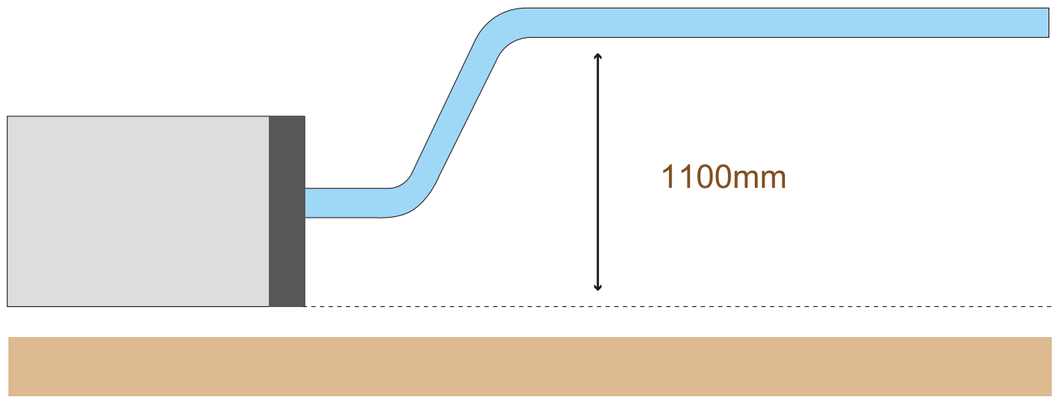
Highly flexible installation is possible to satisfy various needs.



Flexible and easy to install in L shape, U shape and large rooms.



Drain Pump Lift (Optional)

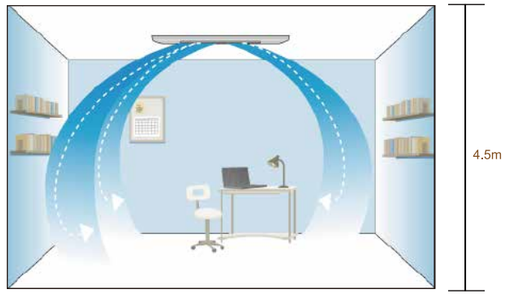


Cassette Type

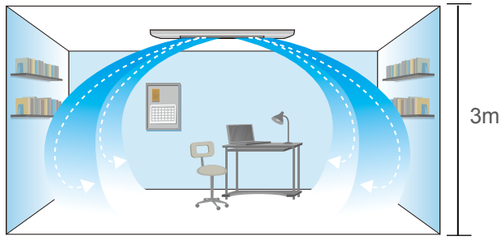
Low noise with 3-dimensional Blade

High Ceiling Applications

The 24K~60K units are applicable to the height below 4.5m

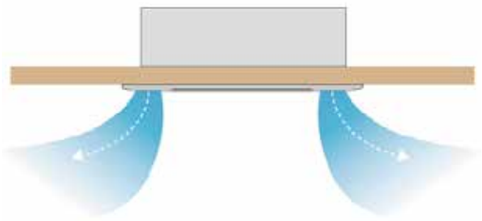


Units below 24K are applicable to the height below 3m.



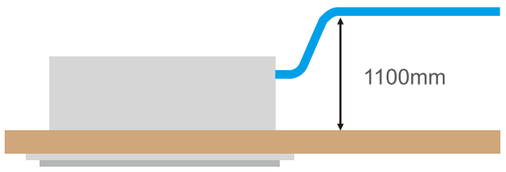
Comfortable Airflow

Air supply in different directions with 30~60 degrees of swing angle for even temperature distribution.



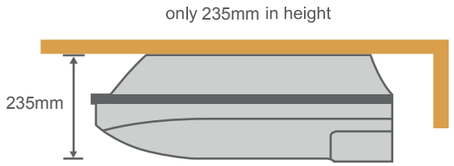
Water Drainage Pump

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



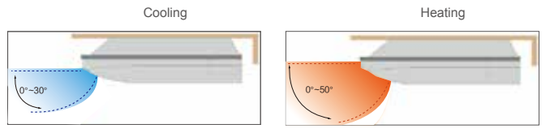
Floor Ceiling Type Indoor Unit

Compact Design



Wide Discharge Range

With cross-direction swing angle, the air supply range is efficiently wider.



Easy Maintenance

Convenient disassembly and maintenance thanks to unique design.

Microcomputer Control

The complete control functions are controlled by microcomputer which not only shows all running modes and temperatures but also has functions like malfunction diagnosis and data search.

Flexible Installation

There are 2 installation methods: installation on ceiling or floor.

Ceiling Type

Floor Standing Type

R410A

U-Match

Fixed Frequency Series(Heat Pump)

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

CE

Indoor Unit

Duct type

- 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.
- Water pump is optional.

Cassette type

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

Floor ceiling type

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

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (℃)	WB (℃)	DB (℃)	WB (℃)	DB (℃)
Cooling	35	24	27	19	-15℃~43℃
Heating	7	6	20	15	-15℃~24℃

Units Lineup

Capacity Index		12K	18K	24K	30K
Outdoor Unit					
Indoor Unit	Duct				
	Cassette				
	Floor Ceiling				

Capacity Index		36K	42K	48K	60K
Outdoor Unit					
Indoor Unit	Duct				
	Cassette				
	Floor Ceiling				

Specifications

Model				GUHN12NK3HO		
	Outdoor Unit / Indoor Unit			Duct	Cassette	Floor Ceiling
				GFH12K3HI	GKH12K3HI	GTH12K3HI
Capacity	Cooling		W	3600	3550	3600
			Btu/h	12300	12100	12300
	Heating		W	3700	3700	3700
			Btu/h	12600	12600	12600
EER/C.O.P			W/W	2.67/2.85	2.69/3.08	2.67/2.85
Power Supply			Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50
Power Input		Cooling	kW	1.35	1.32	1.35
		Heating	kW	1.3	1.2	1.3
Current Input		Cooling	A	6.4	6.3	6.4
		Heating	A	6.2	5.8	6.2
Refrigerant charge volume			kg	0.85	0.85	0.85
Indoor Unit	Air flow volume		CFM	330	330	412
			m^3/h	560	560	700
	ESP	Rated	Pa	25	0	0
		Range	Pa	0-30	0	0
	Sound Pressure Level(SH/H/M/L)		dB(A)	37/34/30/26	42/40/38/35	39/34/30/23
	Dimension (WxDxH)	Outline	mm	700×485×200	665×595×240	870×235×665
		Package	mm	1003×551×285	778×738×300	1033×288×782
	Net Weight/Gross Weight		kg	18.5/22	19.5/24	25/30
Panel	Dimension (WxDxH)	Outline	mm	-	670x670x50	-
		Package	mm	-	763x105x105	-
	Net Weight/Gross Weight		kg	-	3.5/5.0	-
Outdoor Unit	Sound Pressure Level		dB(A)	52	52	52
	Dimension (WxDxH)	Outline	mm	848x320x540	848x320x540	848x320x540
		Package	mm	873x363x605	873x363x605	873x363x605
	Net Weight/Gross Weight		kg	33.5/36.0	33.5/36.0	33.5/36.0
Connection Pipe	Outdoor diameter	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
		Gas	inch(mm)	Φ1/2(12.7)	Φ1/2(12.7)	Φ1/2(12.7)
	Max.distance	Height/Length	m	15/20	15/20	15/20
Loading quantity		40'GP/40'HQ	set	164/183	138/157	109/128

Model				GUHN18NK3HO			GUHN24NK3HO		
	Outdoor Unit / Indoor Unit			Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH18K3HI	GKH18K3HI	GTH18K3HI	GFH24K3HI	GKH24K3HI	GTH24K3HI
Capacity	Cooling		W	5000	5000	5500	7000	7000	7200
			Btu/h	17100	17100	18800	23900	23900	24600
	Heating		W	5400	5400	5700	7400	7600	8200
			Btu/h	18400	18400	19400	25200	25900	28000
EER/C.O.P			W/W	2.50/2.84	2.50/2.84	2.75/2.85	2.80/3.22	2.80/3.30	2.88/3.42
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	2	2	2	2.5	2.5	2.5
		Heating	kW	1.9	1.9	2	2.3	2.3	2.4
Current Input		Cooling	A	9.2	9.2	9.2	10.9	10.9	11.4
		Heating	A	8.2	8.6	8.6	9.5	9.6	11.1
Refrigerant charge volume			kg	1.3	1.3	1.3	1.5	1.5	1.5
Indoor Unit	Air flow volume(SH/H/M/L)		m^3/h	720/640/550/420	720/640/580/520	1000/860/750/670	1260/1240/1190/1090	1450/1300/1220/1170	1400/1290/1170/1020
	ESP	Rated	Pa	25	0	0	25	0	0
		Range	Pa	0-30	0	0	0-30	0	0
	Sound Pressure Level(SH/H/M/L)		dB(A)	36/33/30/29	50/49/47/46	40/37/35/33	43/38/34/32	49/48/47/46	48/46/44/40
	Dimension (WxDxH)	Outline	mm	1015×720×275	665×595×240	1200× 235×665	1260×555×270	840×840×240	1200× 235×665
		Package	mm	1120×795×308	775×735×285	1360× 285×767	1345×594×268	960×960×310	1360× 285×767
	Net Weight/Gross Weight		kg	31/37	20/25	31/38	33/38	27/35	32/39
Panel	Dimension (WxDxH)	Outline	mm	-	670×670×50	-	-	950×950×60	-
		Package	mm	-	760×760×90	-	-	1030×1035×118	-
	Net Weight/Gross Weight		kg	-	3.5/5.0	-	-	7/11	-
Outdoor Unit	Sound Pressure Level		dB(A)	56	56	56	54	54	54
	Dimension (WxDxH)	Outline	mm	955×395×700	955×395×700	955×395×700	955×395×700	955×395×700	955×395×700
		Package	mm	1026×455×735	1026×455×735	1026×455×735	1026×455×735	1026×455×735	1026×455×735
	Net Weight/Gross Weight		kg	53/58	53/58	53/58	61/66	61/66	61/66
Connection Pipe	Outdoor diameter	Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
		Gas	inch(mm)	Φ1/2(12.7)	Φ1/2(12.7)	Φ1/2(12.7)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
	Max.distance	Height/Length	m	15/25	15/25	15/25	15/30	15/30	15/30
Loading quantity		40'GP/40'HQ	set	84/99	97/108	89/97	102/113	60/67	89/97

Model	Outdoor Unit			GUHN30NK3HO			GUHN36NM3HO		
	Indoor Unit			Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH30K3HI	GKH30K3HI	GTH30K3HI	GFH36K3HI	GKH36K3HI	GTH36K3HI
Capacity	Cooling		W	8300	8500	8500	10000	10000	10600
			Btu/h	28300	29000	29000	34100	34100	36200
	Heating		W	8800	9000	9800	11500	11500	11800
			Btu/h	30000	30700	33400	39200	39200	40300
EER/C.O.P			W/W	2.96/3.26	3.15/3.46	3.04/3.50	2.78/3.48	2.86/3.48	2.94/3.28
Power Supply			Ph/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	3/380-415/50	3/380-415/50	3/380-415/50
Power Input		Cooling	kW	2.8	2.7	2.8	3.6	3.5	3.6
		Heating	kW	2.7	2.6	2.8	3.3	3.3	3.6
Current Input		Cooling	A	11.5	11	11.8	8	8	8
		Heating	A	11	10	12.5	7.5	7.5	7.5
Refrigerant charge volume			kg	1.8	1.8	1.8	2.2	2.2	2.2
Indoor Unit	Air flow volume(SH/H/M/L)		m^3/h	1400/1360/1310/1210	1500//1450/1400/1370	1500/1390/1270/1110	2100/1895/1765/1655	1650/1610/1500/1300	1600/1430/1340/1270
	ESP	Rated	Pa	37	0	0	37	0	0
		Range	Pa	0-50	0	0	0-75	0	0
	Sound Pressure Level(SH/H/M/L)		dB(A)	48/46/45/44	51/50/49/48	50/48/46/43	51/48/46/44	52/47/46/43	52/51/50/49
	Dimension (WxDxH)	Outline	mm	1260×555×270	840×840×240	1200×235×665	1230×790×290	840×840×320	1200×235×665
		Package	mm	1345×594×268	960×960×310	1360×285×767	1335×834×290	960×960×394	1360×285×767
	Net Weight/Gross Weight		kg	34/39	27/35	32/39	46/52	32/41	36/43
Panel	Dimension (WxDxH)	Outline	mm	-	950×950×60	-	-	950×950×60	-
		Package	mm	-	1030×1035×118	-	-	1030×1035×118	-
	Net Weight/Gross Weight		kg	-	7/11	-	-	7/11	-
Outdoor Unit	Sound Pressure Level		dB(A)	59	59	59	60	60	60
	Dimension (WxDxH)	Outline	mm	980×425×790	980×425×790	980×425×790	980×425×790	980×425×790	980×425×790
		Package	mm	1080×485×860	1080×485×860	1080×485×860	1080×485×860	1080×485×860	1080×485×860
	Net Weight/Gross Weight		kg	69/74	69/74	69/74	69/74	69/74	69/74
Connection Pipe	Outdoor diameter	Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
		Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)	Φ3/4(19.05)	Φ3/4(19.05)	Φ3/4(19.05)
	Max.distance	Height/Length	m	15/30	15/30	15/30	15/30	15/30	15/30
Loading quantity		40'GP/40'HQ	set	80/96	56/61	74/87	65/80	51/56	74/87

Model	Outdoor Unit			GUHN42NM3HO			GUHN48NM3HO		
	Indoor Unit			Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH42K3HI	GKH42K3HI	GTH42K3HI	GFH48K3HI	GKH48K3HI	GTH48K3HI
Capacity	Cooling		W	12000	12000	12000	14100	14100	14200
			Btu/h	40900	40900	40900	48100	48100	48500
	Heating		W	13500	13500	13200	15200	15000	16000
			Btu/h	46100	46100	45000	51900	51200	54600
EER/C.O.P			W/W	2.73/3.33	2.86/3.38	2.79/3.22	2.82/3.23	2.94/3.06	2.84/3.40
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	4.4	4.2	4.3	5	4.8	5.0
		Heating	kW	4.05	4	4.1	4.7	4.9	4.7
Current Input		Cooling	A	8.5	8	8	10.7	9.3	10
		Heating	A	8.2	7.8	7.8	10.4	9.5	10
Refrigerant charge volume			kg	3.3	3.3	3.3	3.7	3.7	3.7
Indoor Unit	Air flow volume(SH/H/M/L)		m^3/h	2100/1890/1765/1645	1650/1610/1500/1300	1650/1550/1450/1350	2300/2145/1855/1755	1650/1610/1500/1300	2400/2300/2200/2030
	ESP	Rated	Pa	37	0	0	50	0	0
		Range	Pa	0-75	0	0	0-100	0	0
	Sound Pressure Level(SH/H/M/L)		dB(A)	51/48/46/44	52/47/46/43	52/51/50/49	53/52/50/50	52/47/46/43	56/55/53/52
	Dimension (WxDxH)	Outline	mm	1230×790×290	840×840×320	1200× 235×665	1230×790×290	840×840×320	1570× 235×665
		Package	mm	1335×834×290	960×960×394	1360× 285×767	1335×834×290	960×960×394	1726× 285×767
	Net Weight/Gross Weight		kg	46/52	32/41	38/45	53/60	33/42	46/53
Panel	Dimension (WxDxH)	Outline	mm	-	950×950×60	-	-	950×950×60	-
		Package	mm	-	1030×1035×118	-	-	1030×1035×118	-
	Net Weight/Gross Weight		kg	-	7/11	-	-	7/11	-
Outdoor Unit	Sound Pressure Level		dB(A)	60	60	60	60	60	60
	Dimension (WxDxH)	Outline	mm	1120×440×1100	1120×440×1100	1120×440×1100	1120×440×1100	1120×440×1100	1120×440×1100
		Package	mm	1155×480×1115	1155×480×1115	1155×480×1115	1155×480×1115	1155×480×1115	1155×480×1115
	Net Weight/Gross Weight		kg	100/112	100/112	100/112	103/115	103/115	103/115
Connection Pipe	Outdoor diameter	Liquid	inch(mm)	Φ1/2(12.7)	Φ1/2(12.7)	Φ1/2(12.7)	Φ1/2(12.7)	Φ1/2(12.7)	Φ1/2(12.7)
		Gas	inch(mm)	Φ3/4(19.05)	Φ3/4(19.05)	Φ3/4(19.05)	Φ3/4(19.05)	Φ3/4(19.05)	Φ3/4(19.05)
	Max.distance	Height/Length	m	30/50	30/50	30/50	30/50	30/50	30/50
Loading quantity		40'GP/40'HQ	set	48/61	40/50	48/63	48/61	40/50	44/58

Model	Outdoor Unit			GUHN60NM3HO		
	Indoor Unit			Duct	Cassette	Floor Ceiling
				GFH60K3HI	GKH60K3HI	GTH60K3HI
Capacity	Cooling		W	16000	15000	15800
			Btu/h	54600	51200	53900
	Heating		W	18000	16800	18200
			Btu/h	61400	57300	62100
EER/C.O.P			W/W	2.86/3.27	2.83/3.23	2.87/3.34
Power Supply			Ph/V/Hz	3/380-415/50	3/380-415/50	3/380-415/50
Power Input		Cooling	kW	5.6	5.3	5.5
		Heating	kW	5.5	5.2	5.45
Current Input		Cooling	A	11.6	10.5	10.7
		Heating	A	11.3	10.3	10.65
Refrigerant charge volume			kg	4.1	4.1	4.1
Indoor Unit	Air flow volume(SH/H/M/L)		m^3/h	2500/2445/2155/2055	1800/1750/1650/1450	2400/2300/2200/2100
	ESP	Rated	Pa	50	0	0
		Range	Pa	0-100	0	0
	Sound Pressure Level(SH/H/M/L)		dB(A)	56/52/49/49	53/51/49/47	56/55/53/52
	Dimension (WxDxH)	Outline	mm	1235×830×330	840×840×290	1570× 235×665
		Package	mm	1335×882×330	960×960×364	1726× 285×767
	Net Weight/Gross Weight		kg	56/64	37/46	-
Panel	Dimension (WxDxH)	Outline	mm	-	950×950×60	-
		Package	mm	-	1030×1035×118	-
	Net Weight/Gross Weight		kg	-	7/11	-
Outdoor Unit	Sound Pressure Level		dB(A)	61	61	61
	Dimension (WxDxH)	Outline	mm	980×410×1350	980×410×1350	980×410×1350
		Package	mm	1024×440×1380	1024×440×1380	1024×440×1380
	Net Weight/Gross Weight		kg	118/129	118/129	118/129
Connection Pipe	Outdoor diameter	Liquid	inch(mm)	Φ1/2(12.7)	Φ1/2(12.7)	Φ1/2(12.7)
		Gas	inch(mm)	Φ3/4(19.05)	Φ3/4(19.05)	Φ3/4(19.05)
	Max.distance	Height/Length	m	30/50	30/50	30/50
Loading quantity		40'GP/40'HQ	set	48/56	46/54	45/51

Control System Lineup

Controlling System	Model	Outlook	Duct	Cassette	Floor Ceiling
Wired Controller	XK60		●	○	○
	XK117		○	○	○
Wireless Remote Controller	YB1FA		○	●	●
Smart Zone Controller	CE50-24/E		○	○	○
	CE52-24/F(C)		○	○	○

Note: ● means standard, ○ means optional.

R410A

U-Match

4th Generation Fixed Frequency Series (Heat Pump)

It is a kind of split system that the outdoor unit can be connected to various indoor unit (duct, cassette or floor ceiling type) with its cooling capacity from 5kW to 16kW.

Quality motor | Inner groove copper | Auto clean | Self-diagnosis | Easier maintainability | High ESP | Wide voltage range | Wide operation range

- Design of double ambient temperature sensors makes precision temperature monitoring.
- With low ambient temperature cooling function, cooling is normal in -15℃.
- The outdoor unit is universal and can be matched with duct type, cassettle and floor ceiliing.
- The unit is designed with smaller dimension,which is easy to install and transport.

CE

Indoor Unit

Duct type

- Fresh air inlet and air valve control function improve the indoor air quality.
- Flexible air inlet/outlet and condersing water outlet direction based on different installation requirements.
- Optimized air duct design improves the performance and lows the noise.
- Built-in drain pump with increased lift of 1000mm.

Cassette type

- Drain pump filled as standard with increased lift of 1000mm.
- Special low noise fan design.
- Equipwith360°airdischargepanel, providing more comfortable air supply.

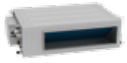
Floor ceiling type

- 3-D air flue design.
- Modern and elegant appearance.
- Four level fan speed.
- Wide swing angles.

Item	Nominal operating condition(temperature)				Operating range(temperature)
	Outdoor Condition		Indoor Condition		Outdoor Condition
	DB(℃)	WB(℃)	DB(℃)	WB(℃)	DB(℃)
Cooling	35	24	27	19	-15~48
Heating	7	6	20	15	-15~24

Units Lineup

Capacity Index		50	71/85	100
Outdoor Unit				
Indoor Unit	Duct			
	Cassette			
	Floor Ceiling			

Capacity Index		125	140	160
Outdoor Unit				
Indoor Unit	Duct			
	Cassette			
	Floor Ceiling			

Duct

Model	Indoor unit		GU50P/A1-K* GU50PS/A1-K*	GU71P/A1-K* GU71PS/A1-K*	GU85P/A1-K GU85PS/A1-K	GU100PH/A1-K* GU100PHS/A1-K*	GU125PH/A1-K* GU125PHS/A1-K*	GU140PH/A1-K GU140PHS/A1-K	GU160PH/A1-K GU160PHS/A1-K
	Outdoor unit		GU50W/A1-K*	GU71W/A1-K*	GU85W/A1-K	GU100W/A1-M*	GU125W/A1-M*	GU140W/A1-M	GU160W/A1-M
Capacity	Cooling Capacity	kW	5.15	7.1	8.3	10.0	12	14.6	16.0
Power Input	Cooling	kW	1.65	2.6	2.8	3.5	4.4	4.45	5.45
EER		W/W	3.12	2.73	2.96	2.86	2.73	3.28	2.94
Capacity	Heating Capacity	kW	5.6	7.2	8.8	11.6	13.5	16.3	19.0
Power Input	Heating	kW	1.35	2.36	2.7	3.3	4.05	4.1	5.4
COP		W/W	4.15	3.05	3.26	3.52	3.33	3.98	3.52
Indoor Unit			GU50P/A1-K GU50PS/A1-K	GU71P/A1-K GU71PS/A1-K	GU85P/A1-K GU85PS/A1-K	GU100PH/A1-K GU100PHS/A1-K	GU125PH/A1-K GU125PHS/A1-K	GU140PH/A1-K GU140PHS/A1-K	GU160PH/A1-K GU160PHS/A1-K
Power Supply			220-240V~ 50Hz						
Heat Exchange			Cross Fin Coil						
Fan	Drive		Direct						
	Motor Output	kW	/						
	Air Flow	m^3/h	850	1250	1250	1650	1700	2200	2600
	Rated Ext. Static Pressure	Pa	25	25	37	37	37	50	50
	Ext. Static Pressure Range	Pa	0~60	0~80	0~150	0~100	0~100	0~150	0~150
Sound Pressure Level (SH/H/M/L)		dB(A)	33	40	55	44	44	45	45
Outline Dimensions (HxWxD)		mm	200x1000x450	220x1300x450	220x1300x450	300x1000x700	300x1000x700	300x1400x700	300x1400x700
Dimension of Carton Box (H×W×D)		mm	260x1305x565	285x1625x575	285x1625x575	345x1202x810	345x1202x810	350x1598x810	350x1598x810
Dimension of Package (H×W×D)		mm	275x1308x568	300x1628x578	300x1628x578	360x1205x813	360x1205x813	365x1601x813	365x1601x813
Net Weight		kg	24/25（S）	31/32（S）	31/32（S）	40/41（S）	41/42（S）	52/53（S）	54/55（S）
Outdoor Unit			GU50W/A1-K	GU71W/A1-K	GU85W/A1-K	GU100W/A1-M	GU125W/A1-M	GU140W/A1-M	GU160W/A1-M
Power Supply			220-240V ~ 50Hz			380-415V 3N~ 50Hz			
Heat Exchange			Cross Fin Coil						
Fan	Drive		Axial-flow						
	Motor Output	kW	/						
Compressor	Type		Rotary						
	Power Input	W	1540	2060	2680	3350	4210	4040	5000
Refrigerant	Control		Electronic Expansion Valve						
	Charge	kg	1.2	1.7	2	2.3	3.0	3.3	4.2
Outline Dimensions (H×W×D)		mm	548x761x256	698x892x340	698x892x340	790x920x370	820x940x460	820x940x460	820x940x460
Dimension of Carton Box (H×W×D)		mm	580x878x360	735x1026x455	735x1026x455	1080x860x485	853x1070x560	853x1070x560	853x1070x560
Dimension of Package (H×W×D)		mm	595x881x363	750x1029x458	750x1029x458	1083x875x488	973x1083x573	973x1083x573	973x1083x573
Net Weight		kg	42	53	56	68	97	97	103
Piping Connections	Liquid	Inch	Φ1/4	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas	Inch	Φ1/2	Φ5/8	Φ5/8	Φ5/8	Φ5/8	Φ5/8	Φ5/8
	Max. Length	m	30	30	30	30	50	50	50
	Max. Height	m	15	15	15	20	30	30	30

Note: * This product model is under development, please confirm the final specifications with sales representatives.

Cassette

Model	Indoor unit		GUD50T/A1-K*	GU71T/A1-K*	GU85T/A1-K	GU100T/A1-K*	GU125T/A1-K*	GU140T/A1-K	GU160T/A1-K
	Outdoor unit		GU50W/A1-K*	GU71W/A1-K*	GU85W/A1-K	GU100W/A1-M*	GU125W/A1-M*	GU140W/A1-M	GU160W/A1-M
Capacity	Cooling Capacity	kW	4.75	7.20	8.3	10.00	12.00	14.01	15.0
Power Input	Cooling	kW	1.6	2.1	2.8	3.5	4.2	4.45	5.3
EER		W/W	2.97	3.43	2.96	2.86	2.86	3.15	2.83
Capacity	Heating Capacity	kW	5.4	7.4	8.8	11.5	13.5	15.1	17.4
Power Input	Heating	kW	1.45	2	2.7	3.3	4	4.3	5.6
COP		W/W	3.72	3.70	3.26	3.48	3.38	3.51	3.11
Indoor Unit			GUD50T/A1-K	GU71T/A1-K	GU85T/A1-K	GU100T/A1-K	GU125T/A1-K	GU140T/A1-K	GU160T/A1-K
Power Supply			220-240V~ 50Hz						
Heat Exchange			Cross Fin Coil						
Fan	Drive		Direct						
	Motor Output	kW	/						
	Air Flow	m^3/h	700	1250	1250	1600	1600	2000	2000
Sound Pressure Level (SH/H/M/L)		dB(A)	44	46	55	52	52	54	54
Outline Dimensions (HxWxD)		mm	265x570x570	240x840x840	240x840x840	240x840x840	240x840x840	290x840x840	290x840x840
Dimension of Carton Box (H×W×D)		mm	280x650x695	257x930x900	257x930x900	257x930x900	257x930x900	320x930x900	320x930x900
Dimension of Package (H×W×D)		mm	295x653x698	272x933x903	272x933x903	272x933x903	272x933x903	335x933x903	335x933x903
Net Weight		kg	17	30	30	30	33	34	34
Outdoor Unit			GU50W/A1-K	GU71W/A1-K	GU85W/A1-K	GU100W/A1-M	GU125W/A1-M	GU140W/A1-M	GU160W/A1-M
Power Supply			220-240V ~ 50Hz			380-415V 3N~ 50Hz			
Heat Exchange			Cross Fin Coil						
Fan	Drive		Axial-flow						
	Motor Output	kW	/						
Compressor	Type		Rotary						
	Power Input	W	1540	2060	2680	3350	4210	4040	5000
Refrigerant	Control		Electronic Expansion Valve						
	Charge	kg	1.2	1.7	2	2.3	3	3.3	4.2
Outline Dimensions (H×W×D)		mm	548x761x256	698x892x340	698x892x340	790x920x370	820x940x460	820x940x460	820x940x460
Dimension of Carton Box (H×W×D)		mm	580x878x360	735x1026x455	735x1026x455	1080x860x485	853x1070x560	853x1070x560	853x1070x560
Dimension of Package (H×W×D)		mm	595x881x363	750x1029x458	750x1029x458	1083x875x488	973x1083x573	973x1083x573	973x1083x573
Net Weight		kg	42	53	56	68	97	97	103
Piping Connections	Liquid	Inch	Φ1/4	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas	Inch	Φ1/2	Φ5/8	Φ5/8	Φ5/8	Φ5/8	Φ5/8	Φ5/8
	Max. Length	m	30	30	30	30	50	50	50
	Max. Height	m	15	15	15	20	30	30	30
Panel Outline Dimension (HxWxD)		mm	47.5x620x620	52x950x950	52x950x950	52x950x950	52x950x950	52x950x950	52x950x950
Panel Dimension of Carton Box (HxWxD)		mm	110x698x698	97x1030x1035	97x1030x1035	97x1030x1035	97x1030x1035	97x1030x1035	97x1030x1035
Panel Package Dimension (HxWxD)		mm	125x701x701	112x1033x1038	112x1033x1038	112x1033x1038	112x1033x1038	112x1033x1038	112x1033x1038
Panel Net Weight		kg	3	6	6	6	6	6	6
Panel Gross Weight		kg	4.5	9.5	9.5	9.5	9.5	9.5	9.5

Note: * This product model is under development, please confirm the final specifications with sales representatives.

Floor Ceiling

Model	Indoor unit		GU50ZD/A1-K*	GU71ZD/A1-K*	GU85ZD/A1-K	GU100ZD/A1-K*	GU125ZD/A1-K*	GU140ZD/A1-K	GU160ZD/A1-K
	Outdoor unit		GU50W/A1-K*	GU71W/A1-K*	GU85W/A1-K	GU100W/A1-M*	GU125W/A1-M*	GU140W/A1-M	GU160W/A1-M
Capacity	Cooling Capacity	kW	5.1	7.05	8.3	10.0	12.0	14.1	15.8
Power Input	Cooling	kW	1.7	2.1	2.8	3.5	4.3	4.45	5.4
EER		W/W	3.00	3.36	2.96	2.86	2.79	3.17	2.93
Capacity	Heating Capacity	kW	5.5	7.5	8.8	12.0	13.2	16.5	19.1
Power Input	Heating	kW	1.5	2.12	2.7	3.6	4.1	4.25	5.4
COP		W/W	3.67	3.54	3.26	3.33	3.22	3.88	3.54
Indoor Unit			GU50ZD/A1-K	GU71ZD/A1-K	GU85ZD/A1-K	GU100ZD/A1-K	GU125ZD/A1-K	GU140ZD/A1-K	GU160ZD/A1-K
Power Supply			220-240V~ 50Hz						
Heat Exchange			Cross Fin Coil						
Fan	Drive		Direct						
	Motor Output	kW	/						
	Air Flow	m^3/h	700	1400	1400	1700	1700	2200	2500
Sound Pressure Level (SH/H/M/L)		dB(A)	41	48	55	51	51	54	54
Outline Dimensions (HxWxD)		mm	235x870x665	235x1200x665	235x1200x665	235x1200x665	235x1200x665	235x1570x665	235x1570x665
Dimension of Carton Box (H×W×D)		mm	285x1030x767	285x1360x767	285x1360x767	285x1360x767	285x1360x767	285x1726x767	285x1726x767
Dimension of Package (H×W×D)		mm	300x1033x770	300x1363x770	300x1363x770	300x1363x770	300x1363x770	300x1729x770	300x1729x770
Net Weight		kg	32	33	33	36	37	43	45
Outdoor Unit			GU50W/A1-K	GU71W/A1-K	GU85W/A1-K	GU100W/A1-M	GU125W/A1-M	GU140W/A1-M	GU160W/A1-M
Power Supply			220-240V ~ 50Hz			380-415V 3N~ 50Hz			
Heat Exchange			Cross Fin Coil						
Fan	Drive		Axial-flow						
	Motor Output	kW	/						
Compressor	Type		Rotary						
	Power Input	W	1540	2060	2680	3350	4210	4040	4900
Refrigerant	Control		Electronic Expansion Valve						
	Charge	kg	1.2	1.7	2	2.3	3	3.3	4.2
Outline Dimensions (H×W×D)		mm	548x761x256	698x892x340	698x892x340	790x920x370	820x940x460	820x940x460	820x940x460
Dimension of Carton Box (H×W×D)		mm	580x878x360	735x1026x455	735x1026x455	1080x860x485	853x1070x560	853x1070x560	853x1070x560
Dimension of Package (H×W×D)		mm	595x881x363	750x1029x458	750x1029x458	1083x875x488	973x1083x573	973x1083x573	973x1083x573
Net Weight		kg	42	53	56	68	97	97	103
Piping Connections	Liquid	Inch	Φ1/4	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8
	Gas	Inch	Φ1/2	Φ5/8	Φ5/8	Φ5/8	Φ5/8	Φ5/8	Φ5/8
	Max. Length	m	30	30	30	30	50	50	50
	Max. Height	m	15	15	15	20	30	30	30

Note: * This product model is under development, please confirm the final specifications with sales representatives.

Control System Lineup

Controlling System	Model	Outlook	Duct	Cassette	Floor Ceiling
Wired controller	XK117		●	○	○
	XK75		○	○	○
Wireless remote controller	YB1FA		○	●	●
	YAW1F9		○	○	○
	YAP1F6		○	○	○
WiFi module(G-Cloud)	ME31-00/C4		○	○	○
Centralized controller(up to 16 indoor unit)	CE50-24/E		○	○	○
Centralized controller(up to 36 indoor unit)	CE52-24/F(C)		○	○	○
Dry contact gateway (Extended Function Board)	ME30-42/E1		○	○	○
Door controller	MK03		○	○	○

Note: ● means standard, ○ means optional.

R410A

U-Match

Fixed Frequency Series(Cooling Only)

It is a kind of split system that the outdoor unit can be connected to various indoor unit (duct, cassette or floor ceiling type) with its cooling capacity from 5kW to 16kW.

Quality motor | Inner groove copper | Auto clean | Self-diagnosis | Easier maintainability | High ESP | Wide voltage range | Wide operation range

- Design of double ambient temperature sensors makes precision temperature monitoring.
- With low ambient temperature cooling function, cooling is normal in 5℃.
- The outdoor unit is universal and can be matched with duct type, cassettle and floor ceiliing.
- The unit is designed with smaller dimension, and the body weight of the whole series are less than 96kg, which is easy to install and transport.

CE

Indoor Unit

Duct type

- Fresh air inlet and air valve control function improve the indoor air quality.
- Flexible air inlet/outlet and condersing water outlet direction based on different installation requirements.
- Optimized air duct design improves the performance and lows the noise.
- Built-in drain pump with increased lift of 1000mm.
- High ESP design ,Max ESP is up to 200 Pa.

Cassette type

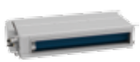
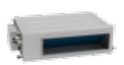
- Drain pump filled as standard with increased lift of 1000mm.
- Special low noise fan design.
- Equip with 360° air discharge panel, providing more comfortable air supply.

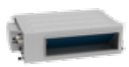
Floor ceiling type

- 3-D air flue design.
- Modern and elegant appearance.
- Four level fan speed.
- Wide swing angles.

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	5~48

Units Lineup

Capacity Index		50	71	100
Outdoor Unit				
Indoor Unit	Duct			
	High ESP Duct			
	Cassette			
	Floor Ceiling			

Capacity Index		125	140	160
Outdoor Unit				
Indoor Unit	Duct			
	High ESP Duct			
	Cassette			
	Floor Ceiling			

Specifications

Model	Outdoor Unit			GUL50W/A-K			
	Indoor Unit			Duct	Metal fan duct with water pump	Cassette	Floor Ceiling
				GU50P/A-K	GUD50PHS/A-K	GUD50T/A-K	GU50ZD/A-K
Capacity	Cooling		W	5000	5000	4900	5000
			Btu/h	17060	17060	16720	17060
EER			W/W	3.13	3.13	3.06	3.03
Power supply			V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Power input	Cooling		kW	1.60	1.60	1.60	1.65
Current Input	Cooling		A	7.5	7.5	7.5	7.7
Refrigerant charge volume			kg	0.9	0.9	0.9	0.9
Indoor Unit	Air flow volume (SH)		CFM	382	529	412	412
			m³/h	650	900	700	700
	ESP	Rated	Pa	25	25	0	0
		Range	Pa	0-60	0-100	0	0
	Sound pressure level(SH)		dB(A)	33	41	44	41
	Dimension (W×D×H)	Outline	mm	1000×450×200	700×700×300	570×570×265	870×665×235
		Package	mm	1308×568×275	897×808×360	698×653×295	1033×770×300
	Net weight/Gross weight		kg	24/29	32/37	17/21	25/30
Panel	Dimension (W×D×H)	Outline	mm	-	-	620×620×47.5	-
		Package	mm	-	-	701×701×125	-
	Net weight/Gross weight		kg	-	-	3/4.5	-
Outdoor Unit	Dimension (W×D×H)	Outline	mm	761×256×548	761×256×548	761×256×548	761×256×548
		Package	mm	881×363×595	881×363×595	881×363×595	881×363×595
	Net weight/Gross weight		kg	37/39.5	37/39.5	37/39.5	37/39.5
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ1/2（12.7）	Φ1/2（12.7）	Φ1/2（12.7）	Φ1/2（12.7）
		Liquid	inch(mm)	Φ1/4（6.35）	Φ1/4（6.35）	Φ1/4（6.35）	Φ1/4（6.35）
	Max. distance	Height/Length	m	15/30	15/30	15/30	15/30
Loading quantity	40'GP/40'HQ		set	149/171	126/140	136/162	140/160

Model	Outdoor Unit			GUL71W/A-K			
	Indoor Unit			Duct	Metal fan duct with water pump	Cassette	Floor Ceiling
				GU71P/A-K	GUD71PHS/A-K	GU71T/A-K	GU71ZD/A-K
Capacity	Cooling		W	7100	7200	7100	7100
			Btu/h	24225	24566	24225	24225
EER			W/W	3.02	3.00	3.02	2.96
Power supply			V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Power input	Cooling		kW	2.35	2.40	2.35	2.40
Current Input	Cooling		A	10.7	10.9	10.7	10.9
Refrigerant charge volume			kg	1.5	1.5	1.5	1.5
Indoor Unit	Air flow volume (SH)		CFM	736	736	736	824
			m³/h	1250	1250	1250	1400
	ESP	Rated	Pa	25	25	0	0
		Range	Pa	0-80	0-100	0	0
	Sound pressure level(SH)		dB(A)	40	48	46	47
	Dimension (W×D×H)	Outline	mm	1300x450x220	700×700×300	840×840×240	1200×665×235
		Package	mm	1628x578x300	897×808×360	933×903×272	1363×770×300
	Net weight/Gross weight		kg	31/37	33/38	30/37	33/39
Panel	Dimension (W×D×H)	Outline	mm	-	-	950×950×52	-
		Package	mm	-	-	1033×1038×112	-
	Net weight/Gross weight		kg	-	-	6/9.5	-
Outdoor Unit	Dimension (W×D×H)	Outline	mm	892×340×698	892x340x698	892×340×698	892×340×698
		Package	mm	1029×458×750	1029×458×750	1029×458×750	1029×458×750
	Net weight/Gross weight		kg	53/57	53/57	53/57	53/57
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ5/8（15.9）	Φ5/8（15.9）	Φ5/8（15.9）	Φ5/8(15.9)
		Liquid	inch(mm)	Φ3/8（9.52）	Φ3/8（9.52）	Φ3/8（9.52）	Φ3/8(9.52)
	Max. distance	Height/Length	m	15/30	15/30	15/30	15/30
Loading quantity	40'GP/40'HQ		set	82/114	87/105	82/78	80/104

Model	Outdoor Unit			GUL100W/A-M			
	Indoor Unit			Duct	Metal fan duct with water pump	Cassette	Floor Ceiling
				GU100PH/A-K	GUD100PHS/A-K	GU100T/A-K	GU100ZD/A-K
Capacity	Cooling		W	10300	10500	10300	10300
			Btu/h	35144	35826	35144	35144
EER			W/W	2.94	3.00	2.94	2.94
Power supply			V/Hz/Ph	380-415/50/3	380-415/50/3	380-415/50/3	380-415/50/3
Power input	Cooling		kW	3.50	3.50	3.50	3.50
Current Input	Cooling		A	7.0	6.9	7.0	7.0
	Heating		A	-	-	-	-
Refrigerant charge volume			kg	2.2	2.2	2.2	2.2
Indoor Unit	Air flow volume (SH)		CFM	970	1058	940	999
			m³/h	1650	1800	1600	1700
	ESP	Rated	Pa	37	37	0	0
		Range	Pa	0-100	0-150	0	0
	Sound pressure level(SH)		dB(A)	44	44	52	51
	Dimension (W×D×H)	Outline	mm	1000×700×300	1000×700×300	840×840×240	1200×665×235
		Package	mm	1205×813×360	1205×813×360	933×903×272	1363×770×300
	Net weight/Gross weight		kg	40/41	42/48	30/37	36/42
Panel	Dimension (W×D×H)	Outline	mm	-	-	950×950×52	-
		Package	mm	-	-	1033×1038×112	-
	Net weight/Gross weight		kg	-	-	6/9.5	-
Outdoor Unit	Dimension (W×D×H)	Outline	mm	920×370×790	920×370×790	920×370×790	920×370×790
		Package	mm	1083×488×875	1083×488×875	1083×488×875	1083×488×875
	Net weight/Gross weight		kg	68/73	68/73	68/73	68/73
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ5/8（15.9）	Φ5/8（15.9）	Φ5/8（15.9）	Φ5/8（15.9）
		Liquid	inch(mm)	Φ3/8（9.52）	Φ3/8（9.52）	Φ3/8（9.52）	Φ3/8（9.52）
	Max. distance	Height/Length	m	20/30	20/30	20/30	20/30
Loading quantity	40'GP/40'HQ		set	68/79	68/79	62/67	75/87

Model	Outdoor Unit			GUL125W/A-M			
	Indoor Unit			Duct	Metal fan duct with water pump	Cassette	Floor Ceiling
				GU125PH/A-K	GUD125PHS/A-K	GU125T/A-K	GU125ZD/A-K
Capacity	Cooling		W	12000	12500	12000	12000
			Btu/h	40944	42650	40944	40944
EER			W/W	2.82	2.94	2.89	2.93
Power supply			V/Hz/Ph	380-415/50/3	380-415/50/3	380-415/50/3	380-415/50/3
Power input	Cooling		kW	4.25	4.25	4.25	4.15
Current Input	Cooling		A	9.0	9.0	9.0	8.8
Refrigerant charge volume			kg	2.55	2.55	2.55	2.55
Indoor Unit	Air flow volume (SH)		CFM	999	1175	942	1001
			m³/h	1700	2000	1600	1700
	ESP	Rated	Pa	37	37	0	0
		Range	Pa	0-100	0-150	0	0
	Sound pressure level(SH)		dB(A)	44	46	52	51
	Dimension (W×D×H)	Outline	mm	1000×700×300	1000×700×300	840×840×240	1200×665×235
		Package	mm	1205×813×360	1205×813×360	933×903×272	1363×770×300
	Net weight/Gross weight		kg	41/47	43/49	33/40	37/43
Panel	Dimension (W×D×H)	Outline	mm	-	-	950×950×52	-
		Package	mm	-	-	1033×1038×112	-
	Net weight/Gross weight		kg	-	-	6/9.5	-
Outdoor Unit	Dimension (W×D×H)	Outline	mm	940×460×820	940×460×820	940×460×820	940×460×820
		Package	mm	1083×573×973	1083×573×973	1083×573×973	1083×573×973
	Net weight/Gross weight		kg	93/103	93/103	93/103	93/103
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ5/8（15.9）	Φ5/8（15.9）	Φ5/8（15.9）	Φ5/8(15.9)
		Liquid	inch(mm)	Φ3/8（9.52）	Φ3/8（9.52）	Φ3/8（9.52）	Φ3/8(9.52)
	Max. distance	Height/Length	m	30/50	30/50	30/50	30/50
Loading quantity	40'GP/40'HQ		set	57/65	57/65	52/62	57/70

Model	Outdoor Unit			GUL140W/A-M			
	Indoor Unit			Duct	Metal fan duct with water pump	Cassette	Floor Ceiling
				GU140PH/A-K	GUD140PHS/A-K	GU140T/A-K	GU140ZD/A-K
Capacity	Cooling		W	14100	14100	14100	14100
			Btu/h	48109	48109	48109	48109
EER			W/W	2.69	2.71	2.52	2.71
Power supply			V/Hz/Ph	380-415/50/3	380-415/50/3	380-415/50/3	380-415/50/3
Power input	Cooling		kW	5.25	5.20	5.60	5.20
Current Input	Cooling		A	10.5	10.4	11.2	10.4
Refrigerant charge volume			kg	2.95	2.95	2.95	2.95
Indoor Unit	Air flow volume (SH)		CFM	1293	1410	1175	1293
			m³/h	2200	2400	2000	2200
	ESP	Rated	Pa	50	50	0	0
		Range	Pa	0-150	0-200	0	0
	Sound pressure level(SH)		dB(A)	45	48	54	54
	Dimension (W×D×H)	Outline	mm	1400×700×300	1400×700×300	840×840×290	1570×665×235
		Package	mm	1601×813×365	1678×808×365	933×903×335	1729×770×300
	Net weight/Gross weight		kg	52/53	58/65	34/41	43/50
Panel	Dimension (W×D×H)	Outline	mm	-	-	950×950×52	-
		Package	mm	-	-	1033×1038×112	-
	Net weight/Gross weight		kg	-	-	6/9.5	-
Outdoor Unit	Dimension (W×D×H)	Outline	mm	940×460×820	940×460×820	940×460×820	940×460×820
		Package	mm	1083×573×973	1083×573×973	1083×573×973	1083×573×973
	Net weight/Gross weight		kg	93/103	93/103	93/103	93/103
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ5/8（15.9）	Φ5/8（15.9）	Φ5/8（15.9）	Φ5/8（15.9）
		Liquid	inch(mm)	Φ3/8（9.52）	Φ3/8（9.52）	Φ3/8（9.52）	Φ3/8（9.52）
	Max. distance	Height/Length	m	30/50	30/50	30/50	30/50
Loading quantity	40'GP/40'HQ		set	51/58	43/55	54/60	58/66

Model	Outdoor Unit			GUL160W/A-M			
	Indoor Unit			Duct	Metal fan duct with water pump	Cassette	Floor Ceiling
				GU160PH/A-K	GUD160PHS/A-K	GU160T/A-K	GU160ZD/A-K
Capacity	Cooling		W	16000	16000	15000	16000
			Btu/h	54592	54592	51180	54592
EER			W/W	2.99	3.02	2.88	3.02
Power supply			V/Hz/Ph	380-415/50/3	380-415/50/3	380-415/50/3	380-415/50/3
Power input	Cooling		kW	5.35	5.20	5.30	5.20
Current Input	Cooling		A	10.6	10.5	10.3	10.5
Refrigerant charge volume			kg	3.1	3.1	3.1	3.1
Indoor Unit	Air flow volume (SH)		CFM	1528	1704	1178	1473
			m³/h	2600	2900	2000	2500
	ESP	Rated	Pa	50	50	0	0
		Range	Pa	0-150	0-200	0	0
	Sound pressure level(SH)		dB(A)	47	48	55	53
	Dimension (W×D×H)	Outline	mm	1400×700×300	1400×700×300	840×840×290	1570×665×235
		Package	mm	1601×813×365	1678×808×365	933×903×335	1729×770×300
	Net weight/Gross weight		kg	54/55	60/67	34/41	45/52
Panel	Dimension (W×D×H)	Outline	mm	-	-	950×950×52	-
		Package	mm	-	-	1033×1038×112	-
	Net weight/Gross weight		kg	-	-	6/9.5	-
Outdoor Unit	Dimension (W×D×H)	Outline	mm	940×460×820	940×460×820	940×460×820	940×460×820
		Package	mm	1083×573×973	1083×573×973	1083×573×973	1083×573×973
	Net weight/Gross weight		kg	95/105	95/105	95/105	95/105
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ5/8（15.9）	Φ5/8（15.9）	Φ5/8（15.9）	Φ5/8（15.9）
		Liquid	inch(mm)	Φ3/8（9.52）	Φ3/8（9.52）	Φ3/8（9.52）	Φ3/8（9.52）
	Max. distance	Height/Length	m	30/50	30/50	30/50	30/50
Loading quantity	40'GP/40'HQ		set	51/58	43/55	51/58	58/66

Control System Lineup

Controlling System	Model	Outlook	Duct	Cassette	Floor Ceiling
Wired controller	XK117		●	○	○
	XK75		○	○	○
Wireless remote controller	YAW1F9		○	●	●
	YAP1F6		○	○	○
WiFi module(G-Cloud)	ME31-00/C4		○	○	○
Centralized controller(up to 16 indoor unit）	CE50-24/E		○	○	○
Centralized controller(up to 36 indoor unit）	CE52-24/F(C)		○	○	○
Dry contact gateway (Extended Function Board)	ME30-42/E1		○	○	○
Door controller	MK03		○	○	○

Note：● means standard, ○ means optional.

R410A

U-Match

Fixed Frequency Series(For Latin America)

It is a kind of split system that the outdoor unit can be connected to various indoor unit(air handler , cassette or floor ceiling type) with its cooling capacity from 36K to 60K, applicable for using in Latin America regions.

Quality motor | Auxiliary electric heater | Comprehensive protection | High efficiency | Intelligent defrosting | Energy saving function | Inner groove copper | Self-diagnosis | Low voltage startup

- Top discharge design, with copper-tube aluminum-finned heat exchanger.
- Blue fins with hydrophilic louvers are anti-corrosive and highly efficient in heat exchange.
- Casing painted with weatherproof coating, which makes it more reliable when used outdoors.
- Electric box adopts sealing design, which can resist dust, rain and is easy for maintenance.

Indoor Unit

Air Handler

- Top discharge or side discharge.
- Electric heating is optional.

Cassette type

- Special low noise fan desing.
- Different swing angles design for cooling and heating mode and for better comfort.

Floor ceiling type

- Two installtion ways(floor type or ceiling type)
- Special low noise fan desing.

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	21℃~43℃
Heating	7	6	20	15	-7℃~24℃

Specifications

Model	Outdoor Unit			GHHN36NM3JO			GHHN48NM3JO			GHHN60NM3JO		
	Indoor Unit			Air Handler	Cassette	Floor Ceiling	Air Handler	Cassette	Floor Ceiling	Air Handler	Cassette	Floor Ceiling
				GNH36K3JI	GKH36K3JI	GTH36K3JI	GNH48K3JI	GKH48K3JI	GTH48K3JI	GNH60K3JI	GKH60K3JI	GTH60K3JI
Capacity	Cooling		W	10.00	10.00	9.60	13.50	13.50	13.50	15.50	15.50	16.00
			Btu/h	34120	34120	32760	46060	46060	46060	52890	52890	54590
	Heating		W	10.50	10.50	10.50	14.50	14.50	14.50	15.50	15.50	16.50
			Btu/h	35830	35830	35830	49470	49470	49470	52890	52890	56300
EER /COP			W/W	2.40/2.88	2.32/3.14	2.31/2.84	2.32/2.81	2.33/2.54	2.32/2.81	2.33/2.62	2.34/2.46	2.46/2.80
Power supply			Ph/V/Hz	3/380-400/50	3/380-400/50	3/380-400/50	3/380-400/50	3/380-400/50	3/380-400/50	3/380-400/50	3/380-400/50	3/380-400/50
Power input	Cooling		kW	3.600	3.600	3.400	5.200	5.000	4.950	5.400	5.200	5.300
	Heating		kW	3.200	3.100	3.300	4.800	4.650	4.550	5.300	4.900	5.000
Current input	Cooling		A	7.4	7.5	7.3	10.6	9.9	10.0	10.9	10.1	10.3
	Heating		A	7.2	7.0	7.3	10.2	9.5	9.5	10.8	9.8	10.0
Refrigerant charge volume			kg	1.9	1.9	1.9	3	3	3	3.45	3.45	3.45
Indoor unit	Air flow volume(H/M/L)		CFM	911.8	911.8	705.9	1294.1	911.8	1088.2	1352.9	941.2	1088.2
			m^3/h	1550	1550	1200	2200	1550	1850	2300	1600	1850
	ESP	Rated	Pa	37	0	0	50	0	0	50	0	0
		Range	Pa	0-80	0	0	0-100	0	0	0-100	0	0
	Sound pressure level(H/M/L)		dB(A)	48	46/45/45	53/51/48	53	46/45/44	54/52/49	53	49/48/47	56/54/51
	Dimension (W×D×H)	Outline	mm	460x540x1105	920x840x320	1220x700x225	540x540x1224	920x840x320	1420x700x245	540x540x1224	920x840x320	1420x700x245
		Package	mm	517x620x1170	1148x958x420	1343x823x315	597x620x1289	1148x958x420	1548x828x345	597x620x1289	1148x958x420	1548x828x345
	Net weight/Gross weight		kg	53/57	36/47	41/50	61/65	36/47	52/59	62/66	36/47	52/59
Panel	Dimension (W×D×H)	Outline	mm	-	950×950×82	-	-	950×950×82	-	-	950×950×82	-
		Package	mm	-	1038×1033×133	-	-	1038×1033×133	-	-	1038×1033×133	-
	Net weight/Gross weight		kg	-	7/11	-	-	7/11	-	-	7/11	-
Outdoor unit	Sound pressure level(H/M/L)		dB(A)	61			59			60		
	Dimension (W×D×H)	Outline	mm	610×610×735			710×710×735			710×710×735		
		Package	mm	651×651×755			773×773×755			773×773×755		
	Net weight/Gross weight		kg	68/73			94/99			98/103		
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ3/4(19.05)			Φ3/4(19.05)			Φ3/4(19.05)		
		Liquid	inch(mm)	Φ3/8(9.52)			Φ3/8(9.52)			Φ3/8(9.52)		
	Max. distance	Height/Length	m	20/30			25/50			25/50		
Loading quantity (include panel)	40'GP/40'HQ		—	84/84	58/66	84/91	53/61	55/63	54/61	53/61	55/63	54/61

Control System Lineup

Controlling System	Model	Outlook	Air handler	Cassette	Floor Ceiling
Wired Controller	Z4E351A(TO)		–	○	○
Wireless Remote Controller	YX1F		–	●	●
Temperature Controller	WK010WA1		○	–	–
Smart Zone Controller	CE50-24/E*		–	○	○

Note:
● means standard, ○ means optional.
*: Smart zone controller CE50-24/E should be chosen together with wired controller Z4E351A(TO).

U-Match

Inverter Series

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

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 under -15 ℃ and heating under -10 ℃ outdoor environment temperature.

Indoor Unit

Duct type

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

Cassette type

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

Floor ceiling type

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

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

Units Lineup

Capacity Index		9K	12K	18K	24K	30K
Outdoor Unit						
Indoor Unit	Duct					
	Cassette	——				
	Floor Ceiling					

Capacity Index		36K	42K	48K	60K
Outdoor Unit					
Indoor Unit	Duct				
	Cassette				
	Floor Ceiling				

Specifications

Model	Outdoor unit			GUHD09NK3FO		GUHD12NK3FO		
	Indoor unit			Duct	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH09K3FI	GTH09K3FI	GFH12K3FI	GKH12K3FI	GTH12K3FI
Capacity	Cooling		kW	2.7	2.7	3.5	3.5	3.5
			BTU/h	9212	9212	11942	11942	11942
	Heating		kW	2.9	2.9	3.8	3.8	3.8
			BTU/h	9895	9895	12966	12966	12966
SEER/SCOP			W/W	5.6/3.8	6.1/3.8	5.6/4.0	5.6/4.0	6.1/4.0
Power supply			Ph/V/Hz	1/220-240/50		1/220-240/50		
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 (SH)		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 (SH/H/M/L)		dB(A)	36/34/28/26	31/29/26/24	37/36/34/28	46/45/41/36	35/33/30/27
	Dimension (W×D×H)	Outline	mm	925×665×250	1220×700×225	1037×721×266	596×596×240	1220×700×225
		Package	mm	1023×748×320	1343×823×315	1123×798×323	773×733×300	1343×823×315
	Net weight/Gross weight		kg	27/32	38/47	33/38	20/24	39/48
Panel	Dimension (W×D×H)	Outline	mm	–	–	–	670×670×50	–
		Package	mm	–	–	–	763×763×105	–
	Net weight/Gross weight		kg	–	–	–	3.5/5.0	–
Outdoor unit	Sound pressure level		dB(A)	52		52		
	Dimension (W×D×H)	Outline	mm	848×320×540		848×320×540		
		Package	mm	881×363×595		881×363×595		
	Net weight/Gross weight		kg	34/37		34/37		
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ1/4(6.35)		Φ1/4(6.35)		
		Gas	inch(mm)	Φ3/8(9.52)		Φ3/8(9.52)		
	Max.distance	Height/Length	m	15/20		15/20		
Loading quantity		40'GP/40'HQ	set	126/141	96/112	114/131	127/138	96/112

Model	Outdoor unit			GUHD18NK3FO			GUHD24NK3FO		
	Indoor unit			Duct	Cassette	Floor Ceiling	Duct	Cassette	Floor Ceiling
				GFH18K3FI	GKH18K3FI	GTH18K3FI	GFH24K3FI	GKH24K3FI	GTH24K3FI
Capacity	Cooling		kW	5.0	5.0	5.0	7.0	7.0	7.0
			BTU/h	17060	17060	17060	23884	23884	23884
	Heating		kW	5.6	5.5	5.6	8.0	8.0	8.0
			BTU/h	19107	18766	19107	27296	27296	27296
SEER/SCOP			W/W	5.6/3.8	5.6/3.8	6.1/4.0	6.1/4.0	6.1/4.0	5.6/4.0
Power supply			Ph/V/Hz	1/220-240/50			1/220-240/50		
Power input	Cooling		kW	1.55	1.60	1.55	2.18	2.18	2.18
	Heating		kW	1.55	1.58	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 (SH)		CFM	589	447	589	824	765	706
			m³/h	1000	760	1000	1400	1300	1200
	ESP	Rated	Pa	25	–	–	25	–	–
		Range	Pa	0-30	–	–	0-75	–	–
	Sound pressure level (SH/H/M/L)		dB(A)	40/39/36/28	47/46/44/37	44/42/38/32	47/46/44/40	47/46/42/38	49/48/46/40
	Dimension (W×D×H)	Outline	mm	1037×721×266	596×596×240	1220×700×225	1279×558×268	840×840×240	1220×700×225
		Package	mm	1123×798×323	773×733×300	1343×823×315	1348×597×283	963×963×325	1343×823×315
	Net weight/Gross weight		kg	33/38	20/24	39/48	34/39	26/32	40/50
Panel	Dimension (W×D×H)	Outline	mm	–	670×670×50	–	–	950×950×60	–
		Package	mm	–	763×763×105	–	–	1028×1043×130	–
	Net weight/Gross weight		kg	–	3.5/5.0	–	–	7.0/11	–
Outdoor unit	Sound pressure level		dB(A)	56			57		
	Dimension (W×D×H)	Outline	mm	955×396×700			980×427×790		
		Package	mm	1029×458×750			1083×488×855		
	Net weight/Gross weight		kg	47/50			67/72		
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ1/4(6.35)			Φ3/8(9.52)		
		Gas	inch(mm)	Φ1/2(12.7)			Φ5/8(15.9)		
	Max.distance	Height/Length	m	15/20			15/30		
Loading quantity		40'GP/40'HQ	set	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		kW	8.3	8.3	8.5	10.0	10.0	10.0
			BTU/h	28320	28320	29002	34120	34120	34120
	Heating		kW	9.2	9.2	9.2	12.0	12.0	12.0
			BTU/h	31390	31390	31390	40944	40944	40944
SEER/SCOP			W/W	6.1/4.0	6.1/4.0	6.1/4.0	5.6/4.0	6.1/4.0	6.1/4.0
Power supply			Ph/V/Hz	1/220-240/50			1/220-240/50		
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 (SH)		CFM	824	883	883	1236	1095	1118
			m³/h	1400	1500	1500	2100	1860	1900
	ESP	Rated	Pa	37	–	–	37	–	–
		Range	Pa	0-75	–	–	0-100	–	–
	Sound pressure level (SH/H/M/L)		dB(A)	47/46/44/40	49/48/45/40	49/46/44/38	53/52/48/44	51/49/46/43	54/53/51/46
	Dimension (W×D×H)	Outline	mm	1279×558×268	840×840×320	1420×700×245	1226×775×290	840×840×320	1420×700×245
		Package	mm	1348×597×283	963×963×409	1548×828×345	1338×877×305	963×963×409	1548×828×345
	Net weight/Gross weight		kg	34/39	31/38	48/56	46/53	31/38	48/56
Panel	Dimension (W×D×H)	Outline	mm	–	950×950×60	–	–	950×950×60	–
		Package	mm	–	1028×1043×130	–	–	1028×1043×130	–
	Net weight/Gross weight		kg	–	7.0/11	–	–	7.0/11	–
Outdoor unit	Sound pressure level		dB(A)	58			63		
	Dimension (W×D×H)	Outline	mm	980×427×790			1107×440×1100		
		Package	mm	1083×488×855			1158×493×1235		
	Net weight/Gross weight		kg	71/76			92/100		
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ3/8(9.52)			Φ3/8(9.52)		
		Gas	inch(mm)	Φ5/8(15.9)			Φ5/8(15.9)		
	Max.distance	Height/Length	m	15/30			15/30		
Loading quantity		40'GP/40'HQ	set	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		kW	10.0	10.0	10.0	11.5	11.0	11.5
			BTU/h	34120	34120	34120	39238	37532	39238
	Heating		kW	12.0	12.0	12.0	13.5	12.5	13.5
			BTU/h	40944	40944	40944	46062	42650	46062
SEER/SCOP			W/W	5.1/4.0	6.1/4.0	6.1/4.0	5.6/3.8	5.6/4.0	6.1/4.0
Power supply			Ph/V/Hz	3/380-415/50			1/220-240/50		
Power input	Cooling		kW	3.12	3.12	3.12	4.0	3.90	3.90
	Heating		kW	3.32	3.32	3.32	3.90	3.80	3.70
Current input	Cooling		A	5.4	5.4	5.4	18.6	18.1	18.1
	Heating		A	5.8	5.8	5.8	18.1	17.6	17.2
Refrigerant charge volume			kg	3.5	3.5	3.5	3.7	3.7	3.7
Indoor unit	Air flow volume (SH)		CFM	1236	1095	1118	1236	1095	1118
			m³/h	2100	1860	1900	2100	1860	1900
	ESP	Rated	Pa	37	–	–	37	–	–
		Range	Pa	0-100	–	–	0-100	–	–
	Sound pressure level (SH/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 (W×D×H)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1226×775×290	840×840×320	1420×700×245
		Package	mm	1338×877×305	963×963×409	1548×828×345	1338×877×305	963×963×409	1548×828×345
	Net weight/Gross weight		kg	46/53	31/38	48/56	46/53	31/38	50/58
Panel	Dimension (W×D×H)	Outline	mm	–	950×950×60	–	–	950×950×60	–
		Package	mm	–	1028×1043×130	–	–	1028×1043×130	–
	Net weight/Gross weight		kg	–	7.0/11	–	–	7.0/11	–
Outdoor unit	Sound pressure level		dB(A)	63			61		
	Dimension (W×D×H)	Outline	mm	1107×440×1100			958×412×1349		
		Package	mm	1158×493×1235			1043×453×1500		
	Net weight/Gross weight		kg	98/106			95/105		
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ3/8(9.52)			Φ3/8(9.52)		
		Gas	inch(mm)	Φ5/8(15.9)			Φ5/8(15.9)		
	Max.distance	Height/Length	m	15/30			30/50		
Loading quantity		40'GP/40'HQ	set	45/50	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	GTH42K3FI	GFH48K3FI	GKH48K3FI	GTH48K3FI
Capacity	Cooling		kW	11.5	11.0	11.5	14.0	14.0	14.0
			BTU/h	39238	37532	39238	47768	47768	47768
	Heating		kW	13.5	12.5	13.5	15.5	16.0	16.0
			BTU/h	46062	42650	46062	52886	54592	54592
SEER/SCOP			W/W	5.6/4.0	6.1/4.0	5.6/4.0	6.1/3.8	6.1/3.8	5.6/3.8
Power supply			Ph/V/Hz	3/380-415/50			1/220-240/50		
Power input	Cooling		kW	4.0	3.9	3.9	4.7	4.6	4.8
	Heating		kW	3.9	3.8	3.74	4.4	4.5	4.3
Current input	Cooling		A	6.9	6.7	6.7	21.8	21.3	22.3
	Heating		A	6.7	6.6	6.5	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(SH)		CFM	1236	1095	1118	1412	1354	1354
			m³/h	2100	1860	1900	2400	2300	2300
	ESP	Rated	Pa	37	–	–	50	–	–
		Range	Pa	0-100	–	–	0-125	–	–
	Sound pressure level (SH/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	56/55/50/46
	Dimension (W×D×H)	Outline	mm	1226×775×290	840×840×320	1420×700×245	1340×750×350	910×910×290	1700×700×245
		Package	mm	1338×877×305	963×963×409	1548×828×345	1423×837×455	1023×993×375	1828×828×345
	Net weight/Gross weight		kg	46/53	31/38	50/58	56/65	43/50	59/68
Panel	Dimension (W×D×H)	Outline	mm	–	950×950×60	–	–	1040×1040×65	–
		Package	mm	–	1028×1043×130	–	–	1137×1137×140	–
	Net weight/Gross weight		kg	–	7.0/11	–	–	8.0/12	–
Outdoor unit	Sound pressure level		dB(A)	61			59		
	Dimension (W×D×H)	Outline	mm	958×412×1349			958×412×1349		
		Package	mm	1043×453×1500			1043×453×1500		
	Net weight/Gross weight		kg	108/118			105/115		
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ3/8(9.52)			Φ3/8(9.52)		
		Gas	inch(mm)	Φ5/8(15.9)			Φ5/8(15.9)		
	Max.distance	Height/Length	m	30/50			30/50		
Loading quantity		40'GP/40'HQ	set	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		kW	14.0	14.0	14.0	16.0	16.0	16.0
			BTU/h	47768	47768	47768	54592	54592	54592
	Heating		kW	15.5	16.0	16.0	16.5	17.0	17.0
			BTU/h	52886	54592	54592	56298	58004	58004
SEER/SCOP			W/W	5.6/3.8	5.6/3.8	5.6/4.0	5.6/3.8	6.1/4.0	5.1/4.0
Power supply			Ph/V/Hz	3/380-415/50			3/380-415/50		
Power input	Cooling		kW	5.10	5.15	5.0	5.60	5.70	5.75
	Heating		kW	4.50	4.50	4.50	4.57	4.70	4.70
Current input	Cooling		A	8.80	8.90	8.60	9.70	9.80	10.0
	Heating		A	7.80	7.80	7.80	7.90	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(SH)		CFM	1412	1354	1354	1766	1412	1471
			m³/h	2400	2300	2300	3000	2400	2500
	ESP	Rated	Pa	50	–	–	50	–	–
		Range	Pa	0-125	–	–	0-150	–	–
	Sound pressure level (SH/H/M/L)		dB(A)	55/53/49/45	53/52/47/41	56/55/50/46	57/56/54/49	55/53/47/41	58/56/52/46
	Dimension (W×D×H)	Outline	mm	1340×750×350	910×910×290	1700×700×245	1340×750×350	910×910×290	1700×700×245
		Package	mm	1423×837×455	1023×993×375	1828×828×345	1423×837×455	1023×993×375	1828×828×345
	Net weight/Gross weight		kg	56/65	43/50	59/68	57/69	43/50	59/68
Panel	Dimension (W×D×H)	Outline	mm	–	1040×1040×65	–	–	1040×1040×65	–
		Package	mm	–	1137×1137×140	–	–	1137×1137×140	–
	Net weight/Gross weight		kg	–	8.0/12	–	–	8.0/12	–
Outdoor unit	Sound pressure level		dB(A)	59			63		
	Dimension (W×D×H)	Outline	mm	958×412×1349			1085×427×1365		
		Package	mm	1043×453×1500			1143×478×1505		
	Net weight/Gross weight		kg	114/124			126/138		
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ3/8(9.52)			Φ3/8(9.52)		
		Gas	inch(mm)	Φ5/8(15.9)			Φ3/4(19.05)		
	Max.distance	Height/Length	m	30/50			30/50		
Loading quantity		40'GP/40'HQ	set	38/48	43/50	43/47	40/40	38/48	39/42

Control System Lineup

Controlling system	Product series		Duct type	Cassette type	Floor ceiling type
Wireless remote controller	YB1FA		○	●	●
	YV1FB7		○	○	○
	YAM1F		○	○	○
	YAM1FF		○	○	○
Wired controller	XK60		●	○	○
	XK117		○	○	○
	XK75		○	○	○
Smart zone controller	CE50-24/E		○	○	○
	CE52-24/F(C)		○	○	○
Long-distance control system	BACnet gateway	ME30-44/D1(B)		○	○	○
Other modules	Optoelectronic isolated converter	RS232-RS422 \485		○	○	○

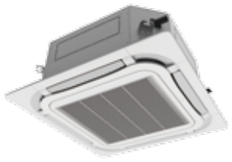
Note： ● means standard, ○ means optional.

U-Match

INVERTER R32

Inverter Series (For Thailand)*

It is a kind of split system that the outdoor unit can be connected to various indoor unit (duct, cassette or floor ceiling type) with its cooling capacity from 18K to 40K, applicable for using in Thailand.



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

- Design of double ambient temperature sensors makes precision temperature monitoring.
- With low ambient temperature cooling function, cooling is normal in 5℃.
- The outdoor unit is universal and can be matched with floor ceiling, cassette or duct type indoor units.

Indoor Unit

Duct type

- Fresh air inlet and air valve control function improve the indoor air quality.
- Flexible air inlet/outlet and condersing water outlet direction based on different installation requirements.
- Optimized air duct design improves the performance and lows the noise.

Cassette type

- Drain pump filled as standard with increased lift of 1000mm.
- Special low noise fan design.
- Different swing angles design for cooling and heating mode and for better comfort.
- All kinds of air freshener can be installed in the filter, such as catechin.

Floor ceiling type

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

Item	Nominal operating condition (temperature)				Operation range (temperature)
	Outdoor condition		Indoor condition		Outdoor condition
	DB (℃)	WB (℃)	DB (℃)	WB (℃)	DB (℃)
Cooling	35	24	27	19	5~48

Note:* All models of this series are under development. Please confirm the final specifications with sales representatives.

Units Lineup

Capacity Index		18K	24K	30K	38K	40K
Outdoor Unit						
Indoor Unit	Duct					
	Cassette					
	Floor Ceiling					

Specifications

Model	Outdoor Unit			GULD18W/NhA-T(P)		
	Indoor Unit			Duct	Cassette	Floor Ceiling
				GULD18PS/A-T(P)	GULD18T/A-T(P)	GULD18ZD/A-T(P)
Capacity	Cooling		W	5300	5000	5300
			Btu/h	18000	17000	18000
SEER/EER			W/W	18/3.46	18/3.01	18/3.4
Power supply			V/Hz/Ph	220-240/208-230-50/60-1	220-240/208-230-50/60-1	220-240/208-230-50/60-1
Power input	Cooling		kW	1.53	1.66	1.56
Current input	Cooling		A	6.3	6.83	6.5
Refrigerant charge volume			kg	1	1	1
Indoor unit	Air flow volume(SH/H/M/L)		CFM	559/518/483/412	412/341/282/235	500/471/412/353
			m³/h	950/880/820/700	700/580/480/400	850/800/700/600
	ESP	Rated	Pa	25	0	0
		Range	Pa	0-50	0	0
	Sound pressure level(H/M/L)		dB(A)	42/39/36	39/36/33	42/39/36
	Dimension (W×D×H)	Outline	mm	1000×450×200	570×570×265	870×665×235
		Package	mm	1308×568×275	688×643×295	1033×770×300
	Net weight/Gross weight		kg	26/31	17/22	26/31
Panel	Dimension (W×D×H)	Outline	mm	-	620×620×47.5	-
		Package	mm	-	701×701×125	-
	Net weight/Gross weight		kg	-	30./4.5	-
Outdoor unit	Dimension (W×D×H)	Outline	mm	818×302×596	818×302×596	818×302×596
		Package	mm	948×420×645	948×420×645	948×420×645
	Net weight/Gross weight		kg	39/42	39/42	39/42
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ1/2(12.7)	Φ1/2(12.7)	Φ1/2(12.7)
		Liquid	inch(mm)	Φ1/4(6.35)	Φ1/4(6.35)	Φ1/4(6.35)
	Max. distance	Height/Length	m	20/35	20/35	20/35
Loading quantity	40'GP/40'HQ		set	124/142	130/162	114/132

Model	Outdoor Unit / Indoor Unit			GULD24W/NhA-T(P)		
				Duct	Cassette	Floor Ceiling
				GULD24PS/A-T(P)	GULD24T/A-T(P)	GULD24ZD/A-T(P)
Capacity	Cooling		W	7300	7300	7300
			Btu/h	24900	24900	24900
SEER/EER			W/W	18/3.48	19/3.65	18/3.4
Power supply			V/Hz/Ph	220-240/208-230-50/60-1	220-240/208-230-50/60-1	220-240/208-230-50/60-1
Power input	Cooling		kW	2.10	2.00	2.15
Current input	Cooling		A	8.7	8.8	8.6
Refrigerant charge volume			kg	1.6	1.6	1.6
Indoor unit	Air flow volume(SH/H/M/L)		CFM	706/682/641/553	647/618/565/512	765/718/641/553
			m³/h	1200/1160/1090/940	1100/1050/960/870	1300/1220/1090/940
	ESP	Rated	Pa	25	0	0
		Range	Pa	0-75	0	0
	Sound pressure level(H/M/L)		dB(A)	39/37/36	42/40/39	44/41/38
	Dimension (W×D×H)	Outline	mm	1300×450×220	840×840×240	1200×665×235
		Package	mm	1570×545×283	963×963×325	1363×770×300
	Net weight/Gross weight		kg	31/36	29/36	31/37
Panel	Dimension (W×D×H)	Outline	mm	-	950×950×52	-
		Package	mm	-	1033×1038×112	-
	Net weight/Gross weight		kg	-	6.0/9.5	-
Outdoor unit	Dimension (W×D×H)	Outline	mm	892×340×698	892×340×698	892×340×698
		Package	mm	1029×458×750	1029×458×750	1029×458×750
	Net weight/Gross weight		kg	53/57	53/57	53/57
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
		Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
	Max. distance	Height/Length	m	25/50	25/50	25/50
Loading quantity	40'GP/40'HQ		set	98/113	79/91	90/97

Model	Outdoor Unit / Indoor Unit			GULD30W/NhA-T(P)		
				Duct	Cassette	Floor Ceiling
				GULD30PHS/A-T(P)	GULD30T/A-T(P)	GULD30ZD/A-T(P)
Capacity	Cooling		W	8800	8800	8800
			Btu/h	30000	30000	30000
SEER/EER			W/W	18/3.26	18/3.03	18/3.2
Power supply			V/Hz/Ph	220-240/208-230-50/60-1	220-240/208-230-50/60-1	220-240/208-230-50/60-1
Power input	Cooling		kW	2.70	2.90	2.75
Current input	Cooling		A	12.1	12.7	12.7
Refrigerant charge volume			kg	1.6	1.6	1.6
Indoor unit	Air flow volume(SH/H/M/L)		CFM	1059/894/812/747	883/865/812/718	942/883/794/742
			m³/h	1800/1520/1380/1270	1500/1470/1380/1220	1600/1500/1350/1260
	ESP	Rated	Pa	37	0	0
		Range	Pa	0-150	0	0
	Sound pressure level(H/M/L)		dB(A)	44/42/40	48/46/42	47/45/43
	Dimension (W×D×H)	Outline	mm	1000×700×300	840×840×240	1200×665×235
		Package	mm	1205×813×360	963×963×325	1363×770×300
	Net weight/Gross weight		kg	41/47	31/38	32/38
Panel	Dimension (W×D×H)	Outline	mm	-	950×950×52	-
		Package	mm	-	1033×1038×112	-
	Net weight/Gross weight		kg	-	6.0/9.5	-
Outdoor unit	Dimension (W×D×H)	Outline	mm	920×370×790	920×370×790	920×370×790
		Package	mm	1083×488×855	1083×488×855	1083×488×855
	Net weight/Gross weight		kg	60/65	60/65	60/65
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
		Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
	Max. distance	Height/Length	m	25/50	25/50	25/50
Loading quantity	40'GP/40'HQ		set	80/91	66/82	74/86

Model	Outdoor Unit / Indoor Unit			GULD36W/NhA-T(P)		
				Duct	Cassette	Floor Ceiling
				GULD36PHS/A-T(P)	GULD36T/A-T(P)	GULD36ZD/A-T(P)
Capacity	Cooling		W	10600	10600	10600
			Btu/h	36100	36100	36100
SEER/EER			W/W	18/3.26	18/3.26	18/3.37
Power supply			V/Hz/Ph	220-240/208-230-50/60-1	220-240/208-230-50/60-1	220-240/208-230-50/60-1
Power input	Cooling		kW	3.25	3.25	3.15
Current Input	Cooling		A	15	15.00	14.50
Refrigerant charge volume			kg	2	2	2
Indoor Unit	Air flow volume(SH/H/M/L)		CFM	1295/1177/1018/877	1118/995/871/671	1236/1177/1059/871
			m³/h	2200/2000/1730/1490	1900/1690/1480/1140	2100/2000/1800/1480
	ESP	Rated	Pa	50	0	0
		Range	Pa	0-150	0	0
	Sound pressure level(H/M/L)		dB(A)	41/40/38	51/48/45	50/48/44
	Dimension (W×D×H)	Outline	mm	1400×700×300	840×840×290	1570×665×235
		Package	mm	1601×813×365	963×963×379	1729×770×300
	Net weight/Gross weight		kg	50/56	36/44	42/49
Panel	Dimension (W×D×H)	Outline	mm	-	-	-
		Package	mm	-	-	-
	Net weight/Gross weight		kg	-	-	-
Outdoor Unit	Dimension (W×D×H)	Outline	mm	920×370×790	920×370×790	920×370×790
		Package	mm	1083×488×855	1083×488×855	1083×488×855
	Net weight/Gross weight		kg	60/65	60/65	60/65
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
		Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
	Max. distance	Height/Length	m	25/50	25/50	25/50
Loading quantity	40'GP/40'HQ		set	80/91	66/82	74/86

Model	Outdoor Unit / Indoor Unit			GULD42W/NhA-T(P)		
				Duct	Cassette	Floor Ceiling
				GULD42PHS/A-T(P)	GULD42T/A-T(P)	GULD42ZD/A-T(P)
Capacity	Cooling		W	11.98	11.98	11.98
			Btu/h	40900	40900	40900
SEER/EER			W/W	18/3.24	18/3.24	18/3.24
Power supply			V/Hz/Ph	220-240/208-230-50/60-1	220-240/208-230-50/60-1	220-240/208-230-50/60-1
Power input	Cooling		kW	3.7	3.7	3.7
Current input	Cooling		A	13.90	13.80	14.50
Refrigerant charge volume			kg	2.7	2.7	2.7
Indoor unit	Air flow volume(SH/H/M/L)		CFM	1295/1177/1018/877	1118/995/871/671	1236/1177/1059/871
			m³/h	2200/2000/1730/1490	1900/1690/1480/1140	2100/2000/1800/1480
	ESP	Rated	Pa	50	0	0
		Range	Pa	0-150	0	0
	Sound pressure level(H/M/L)		dB(A)	41/40/38	51/48/45	50/48/44
	Dimension (W×D×H)	Outline	mm	1400×700×300	840×840×290	1570×665×235
		Package	mm	1601×813×365	963×963×379	1729×770×300
	Net weight/Gross weight		kg	50/56	36/44	42/49
Panel	Dimension (W×D×H)	Outline	mm	-	950×950×52	-
		Package	mm	-	1033×1038×112	-
	Net weight/Gross weight		kg	-	6.0/9.5	-
Outdoor unit	Dimension (W×D×H)	Outline	mm	940×460×820	940×460×820	940×460×820
		Package	mm	1073×563×868	1073×563×868	1073×563×868
	Net weight/Gross weight		kg	83/95	83/95	83/95
Connecting pipe diameter	Outdoor diameteter	Gas	inch(mm)	Φ5/8(15.9)	Φ5/8(15.9)	Φ5/8(15.9)
		Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ3/8(9.52)
	Max. distance	Height/Length	m	30/65	30/65	30/65
Loading quantity	40'GP/40'HQ		set	62/75	63/75	69/78

Control System Lineup

Controlling system \ Product series			Duct type	Cassette type	Floor ceiling type
Wireless remote controller	YAC1FB1		○	●	●
	YAW1F9		○	○	○
	YAP1F2		○	○	○
	YAA1FB		○	○	○
	YAN1F6		○	○	○
	YT1F(MOTO)		○	○	○
	YT1F(MOTO2)		○	○	○
Wired remote controller	XK117		●	○	○

Note： ● means standard, ○ means optional.

Big Duct Type Unit

INVERTER R410A

High Capacity Series

It is a kind of split system that can be connected with air duct to realize cooling/heating in subdivided area.

20kW

25kW/30kW

40kW*

*: If the capacity of outdoor unit is 40kW, two outdoor units are needed for the operation of one indoor unit.

Intelligent defrosting

Compact design

Anti-cold function

Comprehensive protection

Easier maintainability

Self-diagnosis

Wide operation range

- All Dc inverter for high efficiency and energy saving.
- High static units for longer ducted runs.
- ESP reach up to 250Pa high.
- Static pressure is adjustable.
- Intelligent filter cleaning reminding function is available.
- Indoor fan can be adjusted according to the static pressure of air duct installed by customers.

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

Specifications

Model	Heat pump			FGR20Pd/DNa-X	FGR25Pd/DNa-X	FGR30Pd/DNa-X	FGR40Pd/D(2)Na-X
Capacity	Cooling		kW	20	25	30	40
			Btu/h	68240	85300	102360	136480
	Heating		kW	22	27.5	33	43
			Btu/h	75064	93830	112596	146716
EER/COP			W/W	2.56/3.14	2.66/3.09	2.65/3.08	2.58/3.09
Power supply			V/Ph/Hz	380~415/3/50/60	380~415/3/50/60	380~415/3/50/60	380~415/3/50/60
Power input	Cooling		kW	7.8	9.4	11.3	15.5
	Heating		kW	7.0	8.9	10.7	13.9
Current input	Cooling		A	16.5	18.9	22.7	27.8
	Heating		A	15.6	17.2	20.7	26.4
Refrigerant charge volume			kg	6.4	8.0	9.5	6.4x2
Indoor unit	Air flow volume		CFM	2177	2472	3060	4120
			m³/h	3700	4200	5200	7000
	ESP	Rated	Pa	120	120	120	120
		Range	Pa	0-250	0-250	0-250	0-250
	Sound pressure level		dB (A)	52	53	55	56
	Dimension (W×D×H)	Outline	mm	1460×790×365	1690×870×440	1690×870×440	1680x900x650
		Package	mm	1578x883x472	1788x988x580	1788x988x580	1893x1123x850
	Net weight /Gross weight		kg	82/104	99/134	105/145	165/210
Outdoor unit	Sound pressure level		dB (A)	62	63	65	62
	Dimension (W×D×H)	Outline	mm	940×320×1430	940×460×1615	940×460×1615	(940x320x1430)x2
		Package	mm	1033x433x1580	1033x573x1765	1033x573x1765	(1033x433x1580)x2
	Net weight /Gross weight		kg	120/130	146/162	175/190	(120/130)x2
Connection pipe	Outer diameter	Liquid	inch(mm)	Φ3/8(9.52)	Φ3/8(9.52)	Φ1/2(12.7)	Φ3/8(9.52)x2
		Gas	inch(mm)	Φ3/4(19.05)	Φ7/8(22.2)	Φ1(25.4)	Φ3/4(19.05)x2
	Max. distance	Height	m	30	30	30	30
		Length	m	50	50	50	50
Loading quantity	20'GP		set	18	12	12	6
	40'GP/40'HQ		set	39/43	28/28	28/28	14/14

Control System Lineup

Controlling system		Model	Outlook	Duct Split Unit
Wired Controller		XK46		●
		XK79		○
Wireless Remote Controller		YAP1F		○
Other modules	USB Data Converter	ME40-00/B		○

Note:● means standard,○ means optional.Smart zone controller should be chosen with wired remoted controller at the same time.

Air-cooled Packaged Unit

INVERTER R410A

It is widely applicable to public places such as shopping mall, restaurant, ball room, meeting room, supermarket, etc., creating a comfortable and pleasant environment for you.

High Efficiency | Compact design | Energy saving function | DC inverter technology | Comprehensive protection | Wide voltage range

- DC inverter technology, comfortable and energy-saving.
- Side discharge casing, convenient for installation.
- Heat dissipation with refrigerant, reliable operation.
- Long pipes design, several installation choices.
- Wide operation range (operating for cooling between -7℃ to 48℃).
- Voltage range for operation is wider, safe and reliable.
- Unique fan design for the optimal heat exchange.

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)~48

Specifications

Model				LF28WPd/Na-M
Nominal Capacity At Rated ESP		Cooling	Btu/h	95500
			kW	28
EER / COP			W/W	2.43
			Btu/h.W	8.29
Electrical Data	Power supply		V-Ph-Hz	380-415-3-50
	Power input	Cooling	kW	11.5
	Rated Power input		kW	15.4
	Input current	Cooling	A	20.5
	Rated current		A	24.6
	Max. Overcurrent Protection		A	25.0
	Min/Max Voltage	Min/Max Voltage (V)	V	342/456
	Power cord spec	Electrical Conduit Size (Inch)	mm^2xpcs	2.5x5
Refrigerant	Type		–	R410A
	Charge		kg	8.00
	Throttling Method		–	electronic expansion valve
Air Flow Volume			CFM	2354
			m^3/h	4000
Outdoor quantity			unit	1
Indoor unit	Sound Pressure Level(H/M/L)		dB (A)	63/60/57
	Sound Power Level(H/M/L)		dB (A)	73/70/67
	System Operation Control		–	Display panel
	Dimension (WxDxH)	Outline	mm	1200x400x1850
		Package	mm	1353x513x1985
	Net Weight /Gross Weight		kg	129/141
Outdoor unit	Sound Pressure Level		dB (A)	63
	Sound Power Level		dB (A)	73
	Dimension (WxDxH)	Outline	mm	940x460x1615
		Package	mm	1033×573×1765
	Net Weight /Gross Weight		kg	156/170
Loading quantity		20'GP	set	9
		40'GP	set	19
		40'HQ	set	19
Connection Pipe	Valve		–	Brazing Connection
	Length		m	7.5
	Gas additional charge		g/m	54
	Outer Diameter	Liquid Pipe	Inch	Φ3/8(9.52)
		Gas Pipe	Inch	Φ7/8(22.2)
	Max Distance	Height	m	30
		Length	m	50

Note

Award and Certification

ISO 9001 Quality System Certificate

ISO 14001 Environment Management System Certificate

ISO 18001 Occupation Healthy Safety System Certificate

Canadian CSA Certificate

German TÜV Certificate

3C Certificate

European Communities CE Certificate

American UL Certificate

Russian Safety Certificate

EQM

SASO Certificate

Mexico NOM Safety Certificate

German GS Certificate

European EMC Certificate

Argentina Safe Certificate

China EMC Certificate

Hongkong Energy-saving Certificate

Hongkong Safety Certificate

Australian SAA Safe Certificate

Australia SAA Certificate

CQC Certificate

America ETL Certificate

Canadian ETL Certificate

Thailand TIS Certificate