



Service Manual

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI



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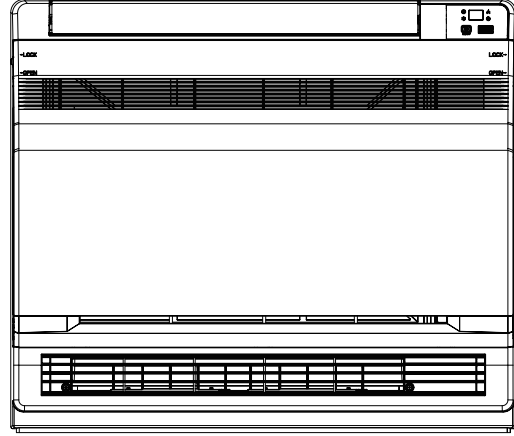
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Part I : Technical Information

1. Summary

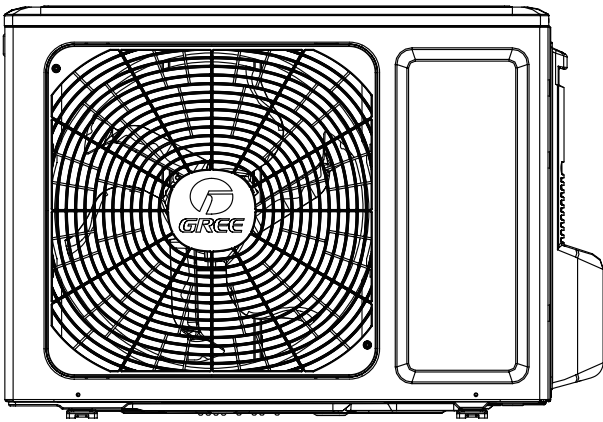
Indoor Unit

GEH12AA-K6DNA1A/I
 GEH09AA-K6DNA1F/I
 GEH18AA-K6DNA1F/I

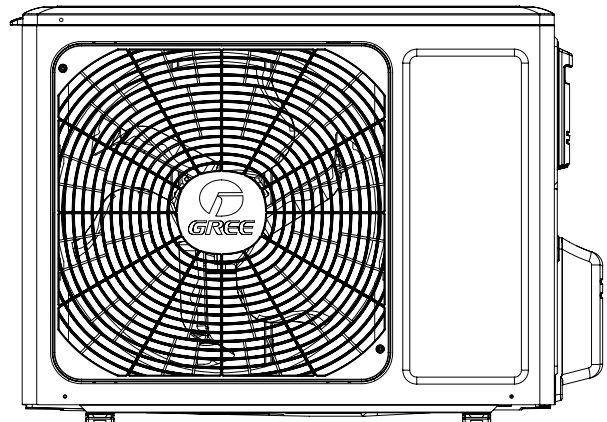


Outdoor Unit

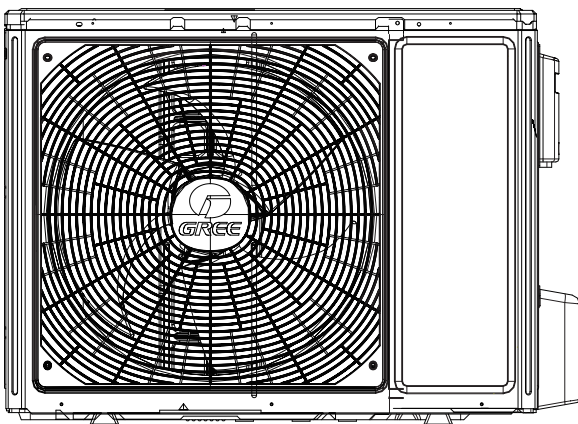
GEH09AA-K6DNA1F/O



GEH12AA-K6DNA1A/O



GEH18AA-K6DNA1F/O



Remote Controller

YAA1FB8(WiFi)



Model List:

No	Model	Product code	Indoor model	Indoor product code	Outdoor model	Outdoor product code	Remote Controller
1	GEH09AA-K6DNA1F	CV010002700	GEH09AA-K6DNA1F/I	CV010N02700	GEH09AA-K6DNA1F/O	CV010W02700	YAA1FB8(WiFi)
2		CV010002701		CV010N02701			
3	GEH12AA-K6DNA1A	CV010002900	GEH12AA-K6DNA1A/I	CV010N02900	GEH12AA-K6DNA1A/O	CV010W02900	
4		CV010002901		CV010N02901			
5	GEH18AA-K6DNA1F	CV010002800	GEH18AA-K6DNA1F/I	CV010N02800	GEH18AA-K6DNA1F/O	CV010W02800	
6		CV010002801		CV010N02801			

2. Specifications

2.1 Specification Sheet

Parameter		Unit	Value	
Model			GEH12AA-K6DNA1A	GEH09AA-K6DNA1F
Product Code			CV010002900/CV010002901	CV010002700/CV010002701
Power Supply	Rated Voltage	V ~	220-240	220-240
	Rated Frequency	Hz	50	50
	Phases		1	1
Power Supply Mode			Outdoor	Outdoor
Cooling Capacity(Min~Max)		W	3520(800~4400)	2700(700~3400)
Heating Capacity(Min~Max)		W	3800(1100~4400)	2900(600~3500)
Cooling Power Input(Min~Max)		W	1000(160~1500)	720(170~1300)
Heating Power Input(Min~Max)		W	960(165~1500)	730(130~1350)
Cooling Current Input		A	4.48	3.5
Heating Current Input		A	4.30	3.6
Rated Input		W	1500	1350
Rated Current		A	6.72	6.0
Air Flow Volume(SH/H/HM/M/LM/L/SL)		m ³ /h	600/520/480/440/400/360/280	500/430/410/370/330/280/250
Dehumidifying Volume		L/h	1.2	0.8
EER		W/W	3.52	3.75
COP		W/W	3.96	3.97
SEER		W/W	7.0	7.2
SCOP(Average/Warmer/Colder)		W/W	4.1/5.3/-	4.0/5.3/-
Application Area		m ²	16-24	12-18
Indoor Unit	Indoor Unit Model		GEH12AA-K6DNA1A/I	GEH09AA-K6DNA1F/I
	Indoor Unit Product Code		CV010N02900/CV010N02901	CV010N02700/CV010N02701
	Fan Type		Centrifugal	Centrifugal
	Fan Diameter Length(DXL)	mm	Φ370X80	Φ370X80
	Cooling Speed (SH/H/HM/M/LM/L/SL)	r/min	750/650/600/550/500/450/350	650/560/530/480/430 /370/320
	Heating Speed (SH/H/HM/M/LM/L/SL)	r/min	750/650/600/550/500/450/350	650/560/530/480/430/370/320
	Fan Motor Power Output	W	30	30
	Fan Motor RLA	A	0.15	0.15
	Fan Motor Capacitor	μF	/	/
	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	mm	Φ7	Φ7
	Evaporator Row-fin Gap	mm	2-1.3	2-1.3
	Evaporator Coil Length (LXDXW)	mm	511X400X25.4	511X400X25.4
	Swing Motor Model		MP24EB/MP24AE	MP24EB/MP24AE
	Swing Motor Power Output	W	1.5/1.5	1.5/1.5
	Fuse Current	A	3.15	3.15
	Sound Pressure Level (SS/H/MH/M/ML/L/SL)	dB (A)	Cooling:44/40/38/36/33/29/25 Heating:44/40/38/36/33/29/25	Cooling:39/36/33/31/29/26/23 Heating:38/36/32/30/28/25/22
	Sound Power Level (SS/H/MH/M/ML/L/SL)	dB (A)	Cooling:54/50/48/46/43/39/35 Heating:54/50/48/46/43/39/35	Cooling:50/48/45/44/42/38/34 Heating:50/48/45/44/42/38/34
	Dimension (WXHXD)	mm	700X600X215	700X600X215
	Dimension of Carton Box (LXWXH)	mm	785X280X682	785X280X682
	Dimension of Package(LXWXH)	mm	788X283X697	788X283X697
Net Weight	kg	15.5	15.5	
Gross Weight	kg	18.5	18.5	

Outdoor Unit	Outdoor Unit Model		GEH12AA-K6DNA1A/O	GEH09AA-K6DNA1F/O
	Outdoor Unit Product Code		CV010W02900	CV010W02700
	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO.,LTD	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		QXF-A102zE190B	QXF-A079zE190A
	Compressor Oil		FW68DA	FW68DA
	Compressor Type		Rotary	Rotary
	Compressor LRA.	A	/	/
	Compressor RLA	A	4.60	4.6
	Compressor Power Input	W	1023	790
	Compressor Overload Protector		HPC115/95U1/KSD115°C	HPC115/95U1/KSD115°C
	Throttling Method		Electron expansion valve	Electron expansion valve
	Set Temperature Range	°C	16~30	16~30
	Cooling Operation Ambient Temperature Range	°C	-15~43	-15~43
	Heating Operation Ambient Temperature Range	°C	-22~24	-22~24
	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Φ7.94	Φ7
	Condenser Rows-fin Gap	mm	1-1.4	1-1.4
	Condenser Coil Length (LXDXW)	mm	731X19.05X550	710X19.05X508
	Fan Motor Speed	rpm	900	900
	Fan Motor Power Output	W	30	30
	Fan Motor RLA	A	0.36	0.36
	Fan Motor Capacitor	μF	/	/
	Outdoor Unit Air Flow Volume	m ³ /h	2200	1600
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	mm	Φ438	Φ400
	Defrosting Method		Automatic Defrosting	Automatic Defrosting
	Climate Type		T1	T1
	Isolation		I	I
	Moisture Protection		IPX4	IPX4
	Permissible Excessive Operating Pressure for the Discharge Side	MPa	4.3	4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa	2.5	2.5
	Sound Pressure Level (H/M/L)	dB (A)	52/-/-	49/-/-
	Sound Power Level (H/M/L)	dB (A)	62/-/-	60/-/-
Dimension(WXHxD)	mm	848X596X320	782X540X320	
Dimension of Carton Box (LXWXH)	mm	878X360X630	820X355X580	
Dimension of Package(LXWXH)	mm	881X363X645	823X358X595	
Net Weight	kg	30.5	27.5	
Gross Weight	kg	33.5	30	
Refrigerant		R32	R32	
Refrigerant Charge	kg	0.75	0.55	
Connection Pipe	Connection Pipe Length	m	5	5
	Connection Pipe Gas Additional Charge	g/m	16	16
	Outer Diameter Liquid Pipe	mm	Φ6	Φ6
	Outer Diameter Gas Pipe	mm	Φ9.52	Φ9.52
	Max Distance Height	m	10	10
	Max Distance Length	m	20	20
Note: The connection pipe applies metric diameter.				

The above data is subject to change without notice. Please refer to the nameplate of the unit.

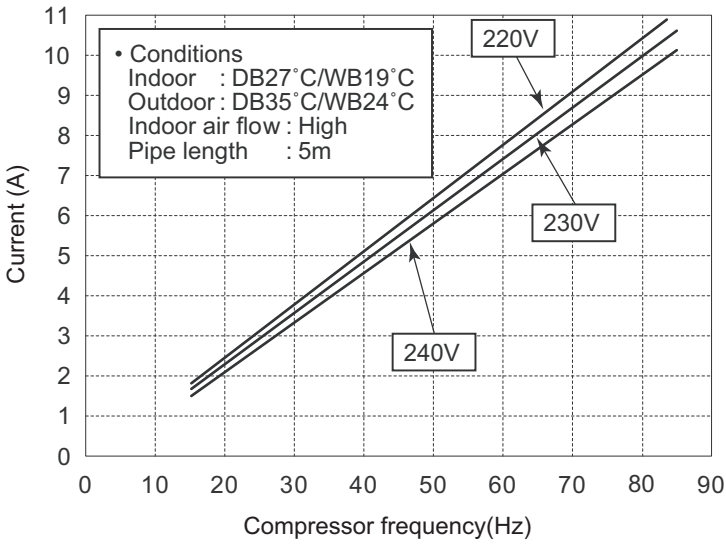
Parameter	Unit	Value	
Model		GEH18AA-K6DNA1F	
Product Code		CV010002800/CV010002801	
Power Supply	Rated Voltage	V ~ 220-240	
	Rated Frequency	Hz 50	
	Phases	1	
Power Supply Mode		Outdoor	
Cooling Capacity(Min~Max)	W	5200(1260~6600)	
Heating Capacity(Min~Max)	W	5330(1120~6800)	
Cooling Power Input(Min~Max)	W	1550(380~2450)	
Heating Power Input(Min~Max)	W	1500(350~2500)	
Cooling Current Input	A	7.1	
Heating Current Input	A	6.7	
Rated Input	W	2500	
Rated Current	A	11.1	
Air Flow Volume(SH/H/HM/M/LM/L/SL)	m ³ /h	700/650/580/520/460/410/320	
Dehumidifying Volume	L/h	1.8	
EER	W/W	3.4	
COP	W/W	3.55	
SEER	W/W	6.6	
SCOP(Average/Warmer/Colder)	W/W	/	
Application Area	m ²	23-34	
Indoor Unit	Indoor Unit Model	GEH18AA-K6DNA1F/I	
	Indoor Unit Product Code	CV010N02800/CV010N02801	
	Fan Type	Centrifugal	
	Fan Diameter Length(DXL)	mm	Φ370X80
	Cooling Speed (SH/H/HM/M/LM/L/SL)	r/min	840/800/720/650/580/530/410
			810/770/690/620/550/500/380
	Heating Speed (SH/H/HM/M/LM/L/SL)	r/min	930/840/760/690/620/570/480
			850/800/720/650/580/530/470
	Fan Motor Power Output	W	30
	Fan Motor RLA	A	0.15
	Fan Motor Capacitor	μF	/
	Evaporator Form		Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	mm	Φ7
	Evaporator Row-fin Gap	mm	2-1.3
	Evaporator Coil Length (LXDXW)	mm	511X400X25.4
	Swing Motor Model		MP24EB/MP24AE
	Swing Motor Power Output	W	1.5/1.5
	Fuse Current	A	3.15
	Sound Pressure Level (SS/H/MH/M/ML/L/SL)	dB (A)	47/45/43/41/38/37/32
	Sound Power Level (SS/H/MH/M/ML/L/SL)	dB (A)	57/55/53/51/48/47/42
	Dimension (WXHDX)	mm	700X600X215
Dimension of Carton Box (LXWXH)	mm	785X280X682	
Dimension of Package(LXWXH)	mm	788X283X697	
Net Weight	kg	15.5	
Gross Weight	kg	18.5	

Outdoor Unit	Outdoor Unit Model		GEH18AA-K6DNA1F/O	
	Outdoor Unit Product Code		CV010W02800	
	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO.,LTD	
	Compressor Model		QXF-B141zF030A	
	Compressor Oil		68DA	
	Compressor Type		Rotary	
	Compressor LRA	A		25
	Compressor RLA	A		6.5
	Compressor Power Input	W		1410
	Compressor Overload Protector			1NT11L-6233 or KSD115°C or HPC115/95U1
	Throttling Method			Electron expansion valve
	Set Temperature Range	°C		16~30
	Cooling Operation Ambient Temperature Range	°C		-15~43
	Heating Operation Ambient Temperature Range	°C		-22~24
	Condenser Form			Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm		Φ7
	Condenser Rows-fin Gap	mm		2-1.4
	Condenser Coil Length (LXDXW)	mm		851X38.1X660
	Fan Motor Speed	rpm		800
	Fan Motor Power Output	W		60
	Fan Motor RLA	A		0.4
	Fan Motor Capacitor	μF		/
	Outdoor Unit Air Flow Volume	m ³ /h		3200
	Fan Type			Axial-flow
	Fan Diameter	mm		Φ520
	Defrosting Method			Automatic Defrosting
	Climate Type			T1
	Isolation			I
	Moisture Protection			IPX4
	Permissible Excessive Operating Pressure for the Discharge Side	MPa		4.3
	Permissible Excessive Operating Pressure for the Suction Side	MPa		2.5
	Sound Pressure Level (H/M/L)	dB (A)		57/-/-
Sound Power Level (H/M/L)	dB (A)		65/-/-	
Dimension(WXHXD)	mm		965X700X396	
Dimension of Carton Box (LXWXH)	mm		1026X455X735	
Dimension of Package(LXWXH)	mm		1029X458X750	
Net Weight	kg		46	
Gross Weight	kg		50.5	
Refrigerant			R32	
Refrigerant Charge	kg		0.95	
Connection Pipe	Connection Pipe Length	m	5	
	Connection Pipe Gas Additional Charge	g/m	16	
	Outer Diameter Liquid Pipe	mm	Φ6	
	Outer Diameter Gas Pipe	mm	Φ12	
	Max Distance Height	m	10	
	Max Distance Length	m	25	
Note: The connection pipe applies metric diameter.				

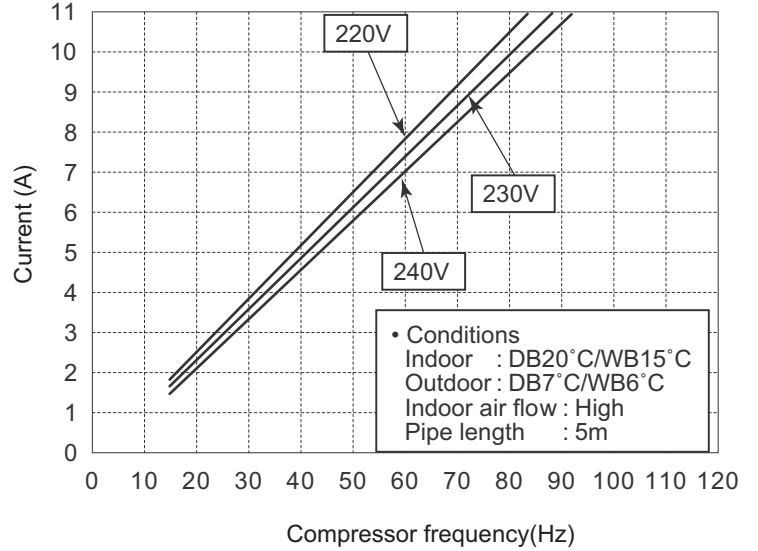
The above data is subject to change without notice. Please refer to the nameplate of the unit.

2.2 Operation Characteristic Curve

Cooling

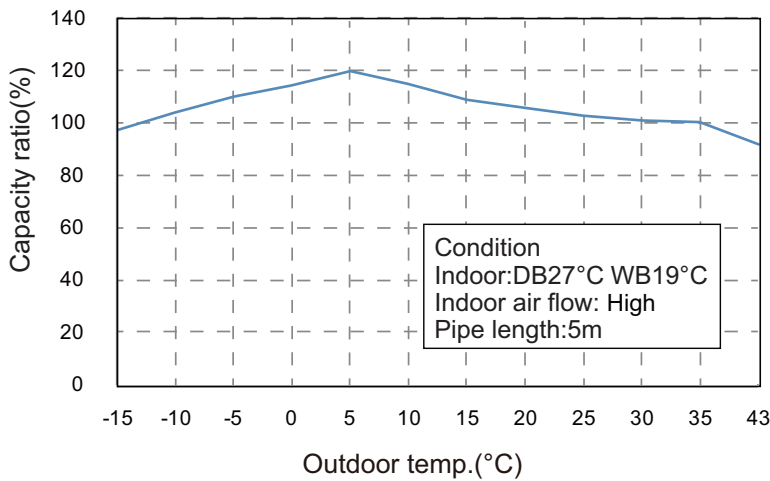


Heating

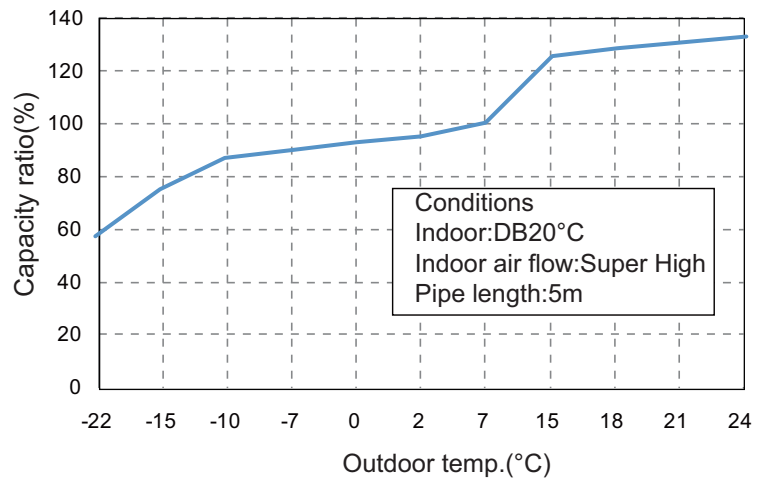


2.3 Capacity Variation Ratio According to Temperature

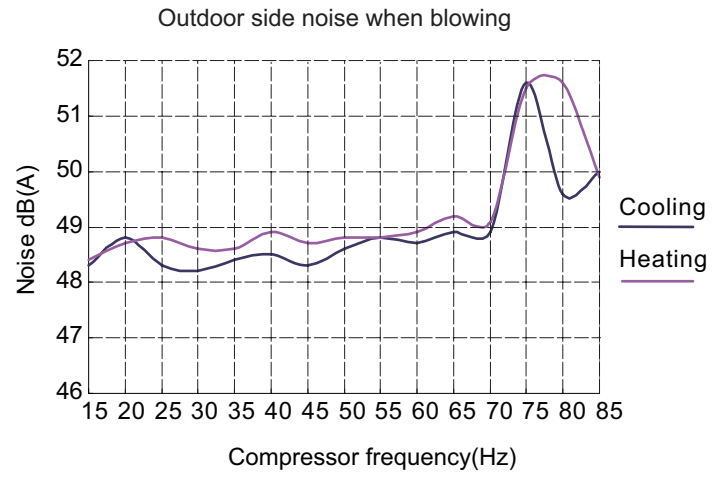
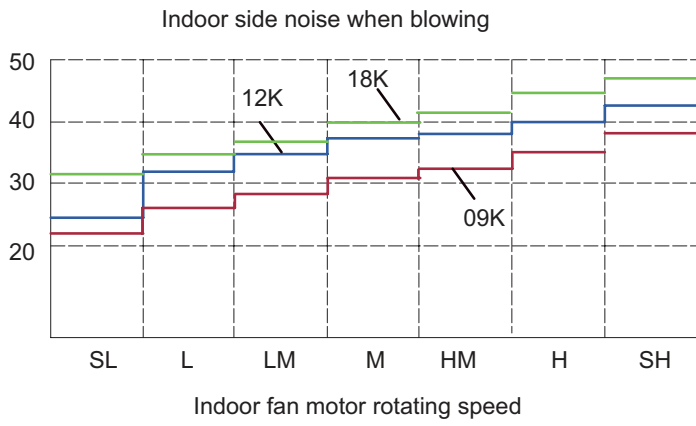
Cooling



Heating

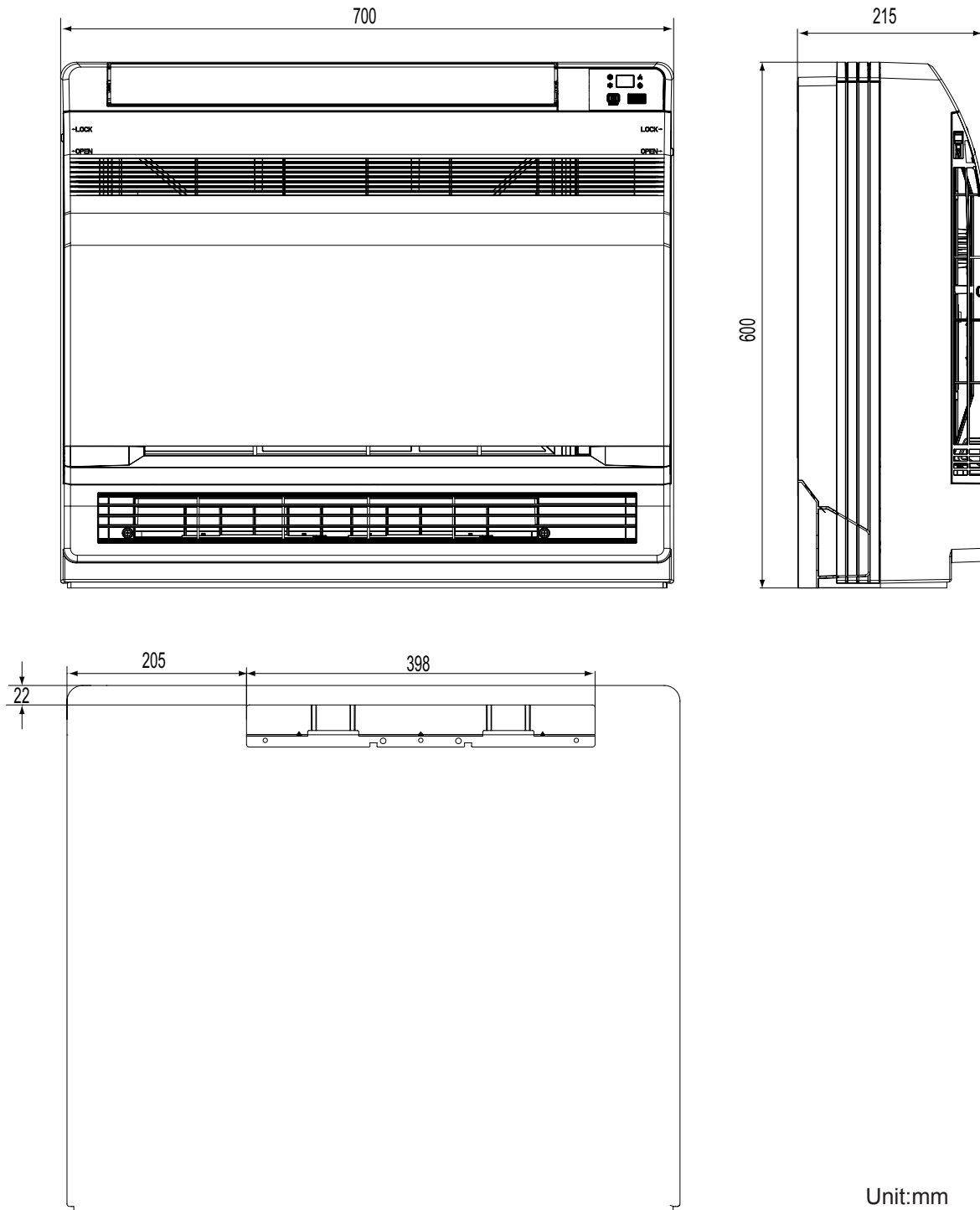


2.4 Noise Curve



3. Outline Dimension Diagram

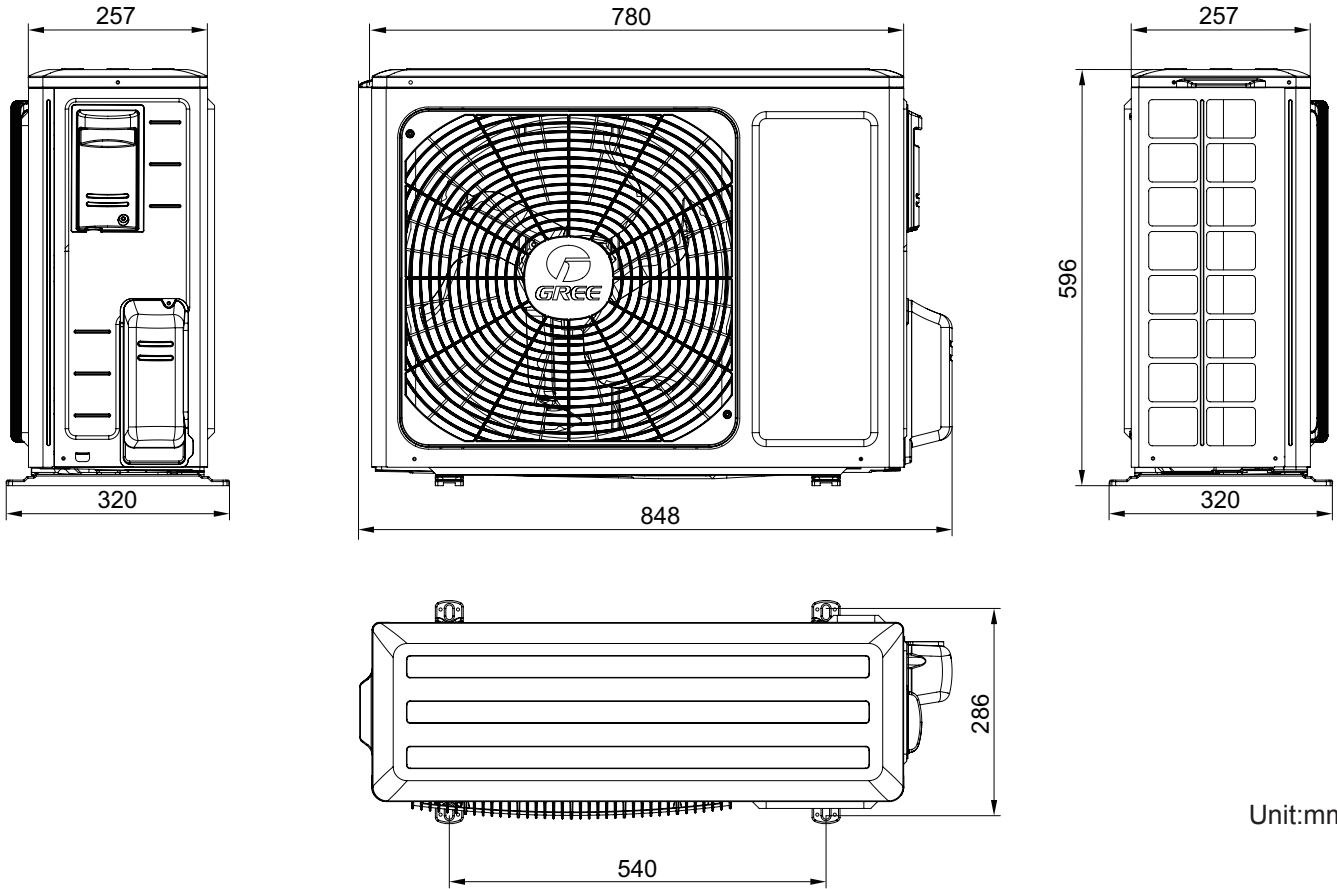
3.1 Indoor Unit



Unit:mm

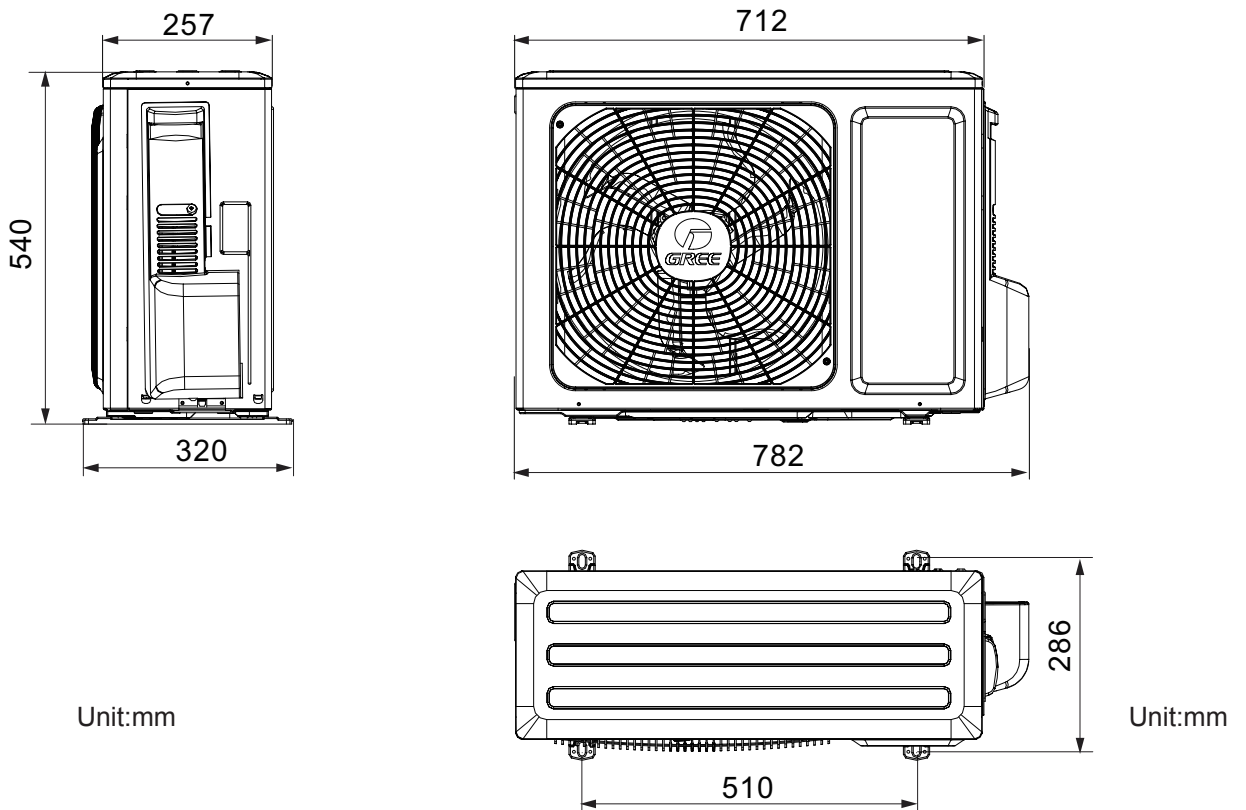
3.2 Outdoor Unit

GEH12AA-K6DNA1A/O



Unit:mm

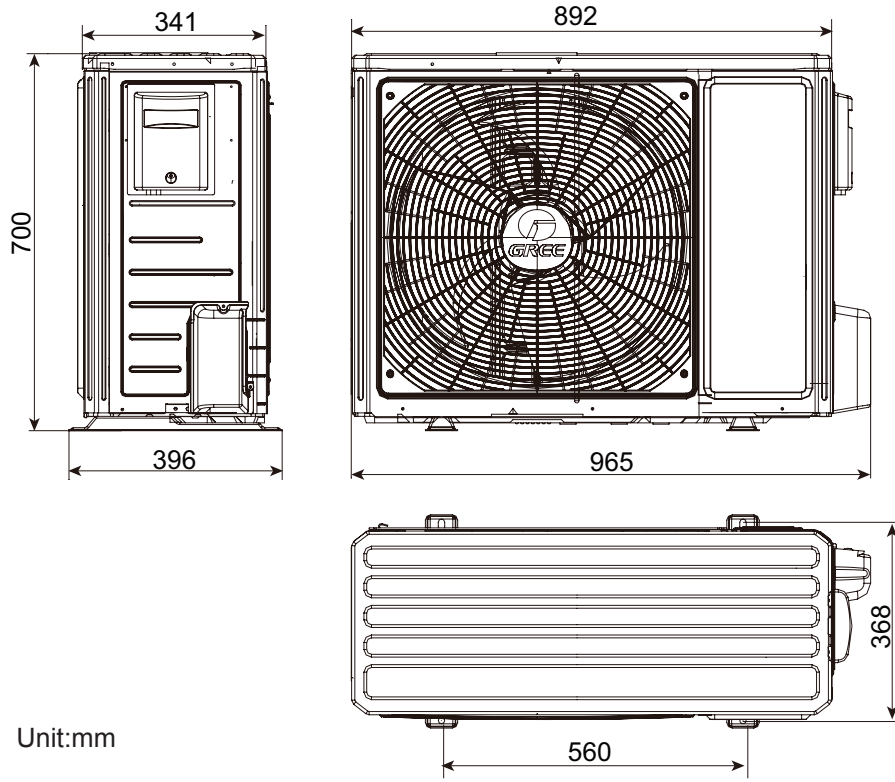
GEH09AA-K6DNA1F/O



Unit:mm

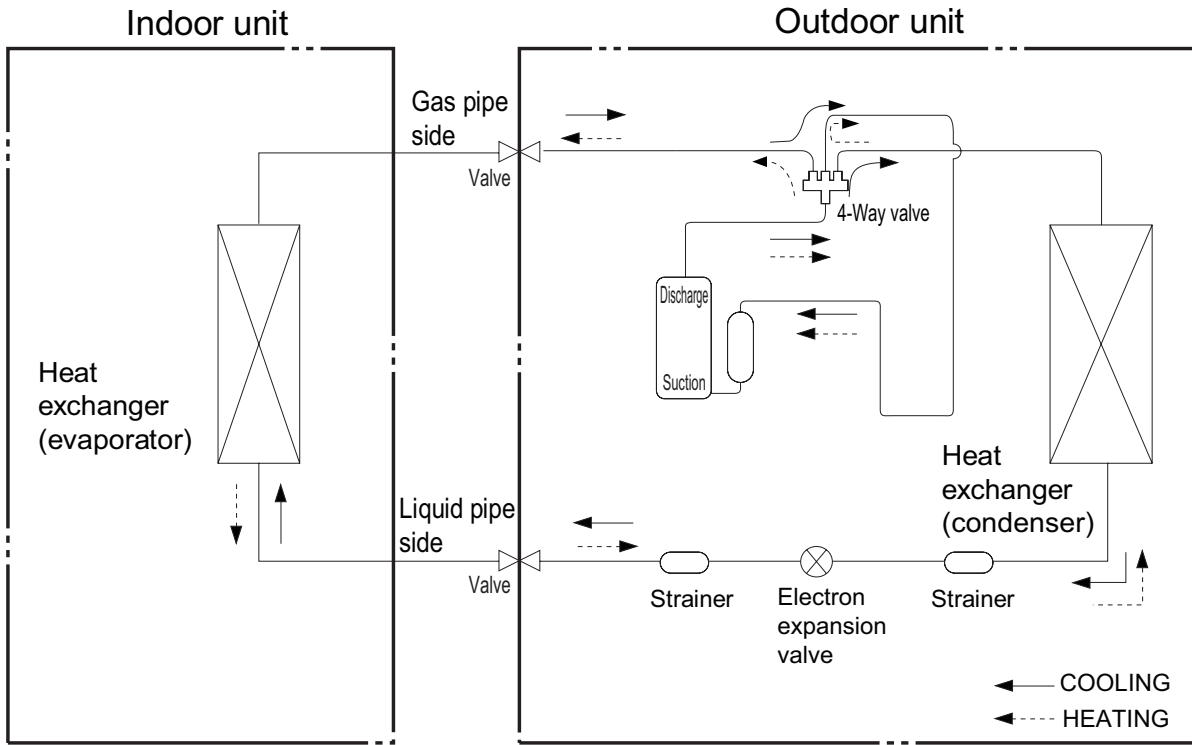
Unit:mm

GEH18AA-K6DNA1F/O



Unit:mm

4. Refrigerant System Diagram



Connection pipe specification:
 Liquid pipe: 1/4" (6mm)
 Gas pipe: 3/8" (9.52mm)(09/12K)
 Gas pipe: 1/2" (16mm)(18K)

5. Electrical Part

5.1 Wiring Diagram

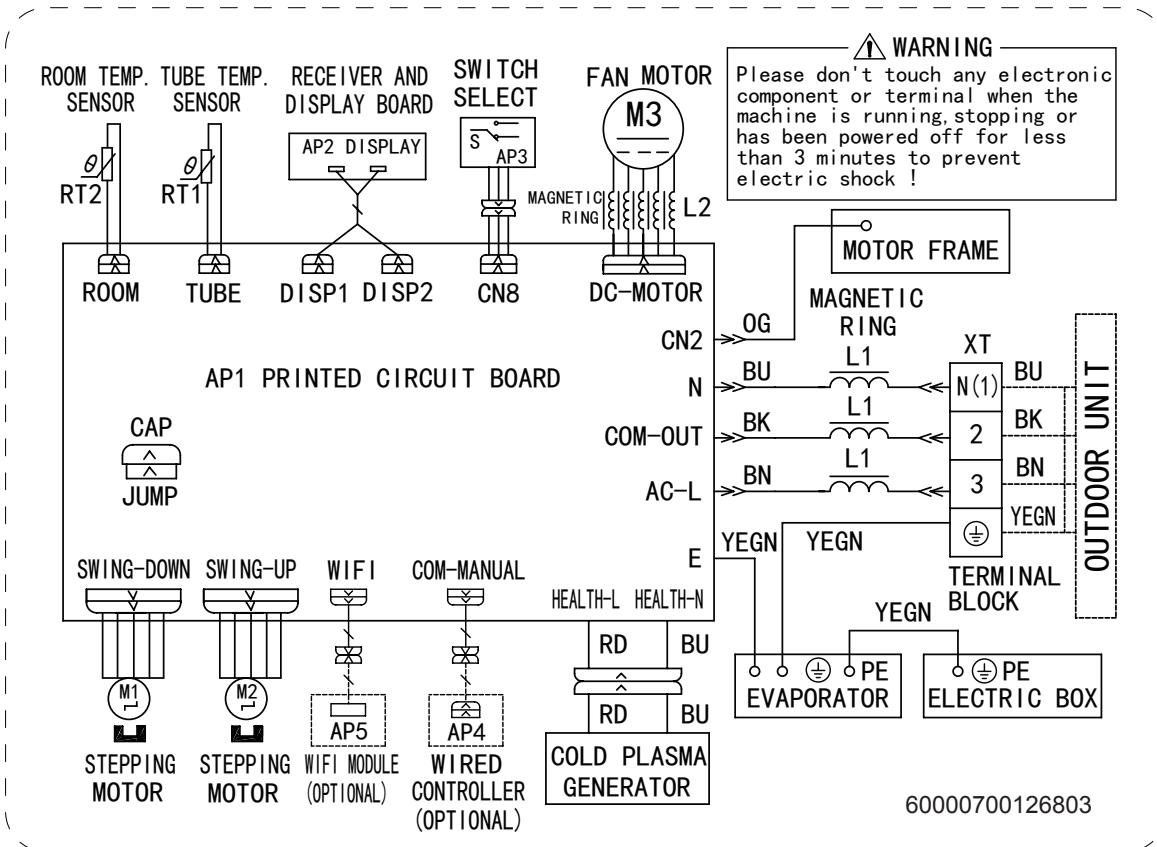
• Instruction

Symbol	Symbol Color	Symbol	Symbol Color	Symbol	Name
WH	White	GN	Green	CAP	Jumper cap
YE	Yellow	BN	Brown	COMP	Compressor
RD	Red	BU	Blue		Grounding wire
YEGN	Yellow/Green	BK	Black	/	/
VT	Violet	OG	Orange	/	/

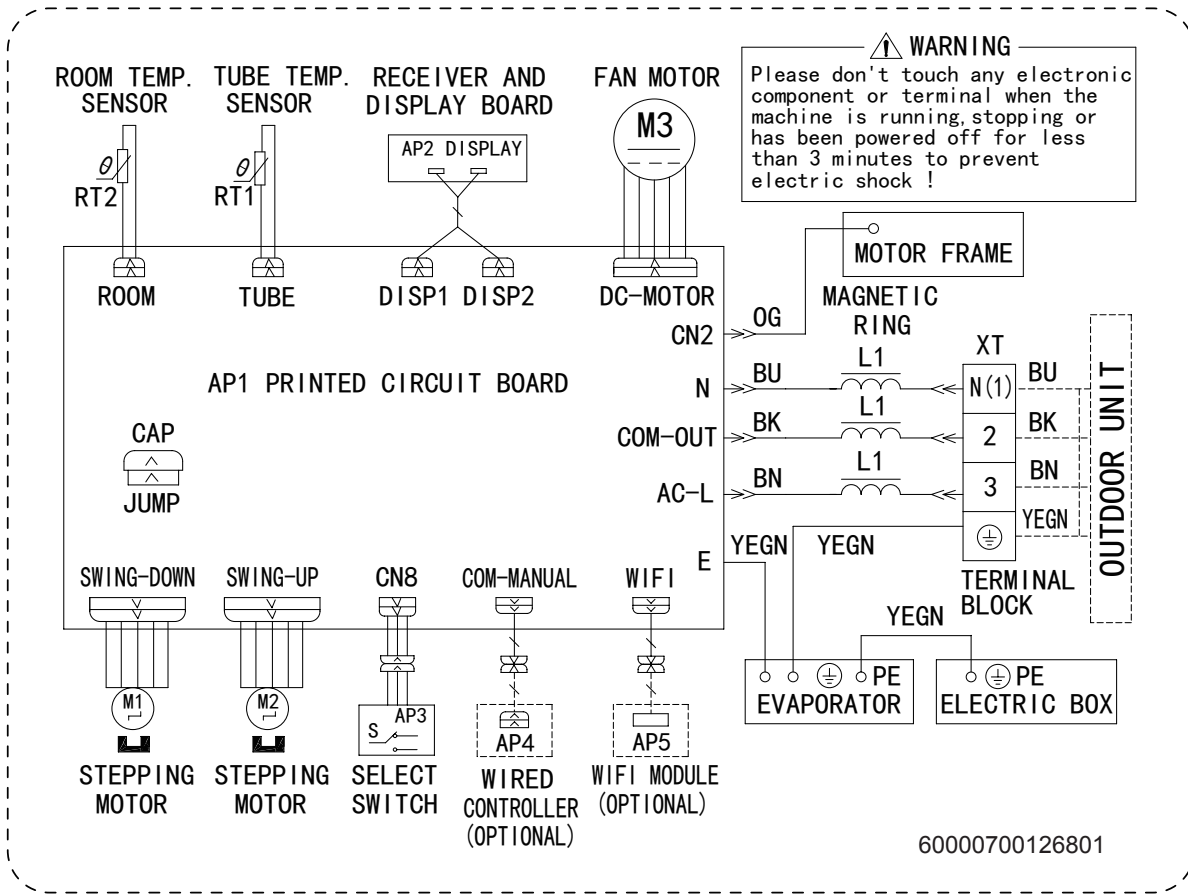
Note: Jumper cap is used to determine fan speed and the swing angle of horizontal lover for this model.

• Indoor Unit

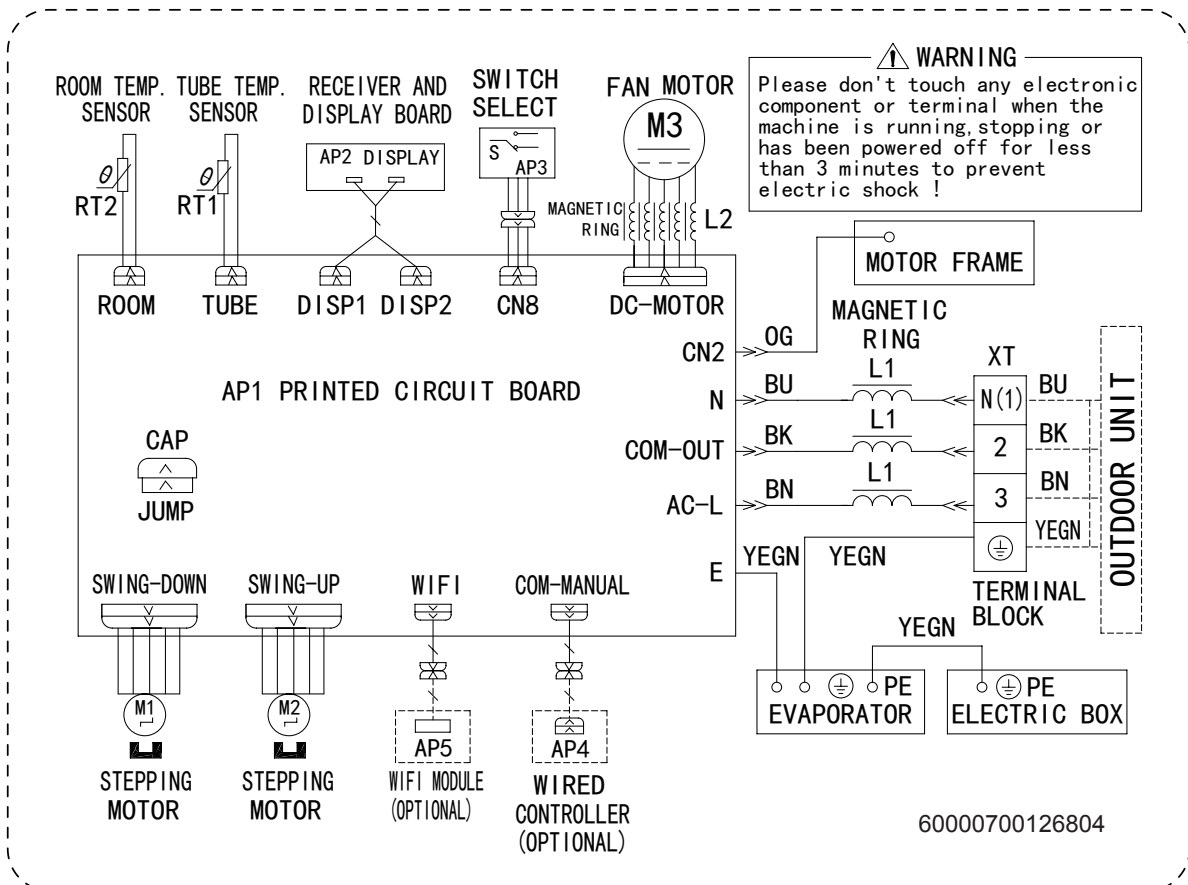
GEH12AA-K6DNA1A/I(CV010N02900) GEH18AA-K6DNA1F/I(CV010N02800)



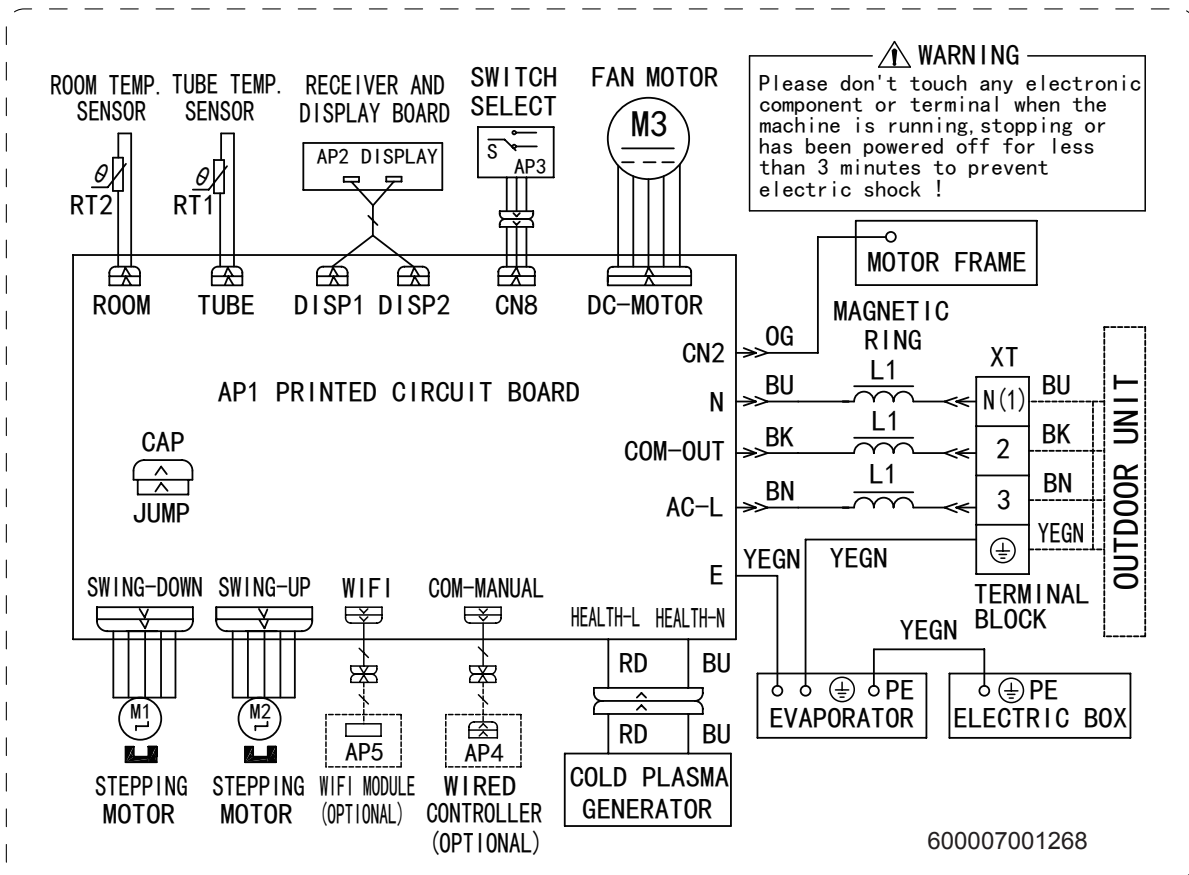
GEH09AA-K6DNA1F/I(CV010N02701)



GEH12AA-K6DNA1A/I(CV010N02901) GEH18AA-K6DNA1F/I(CV010N02801)

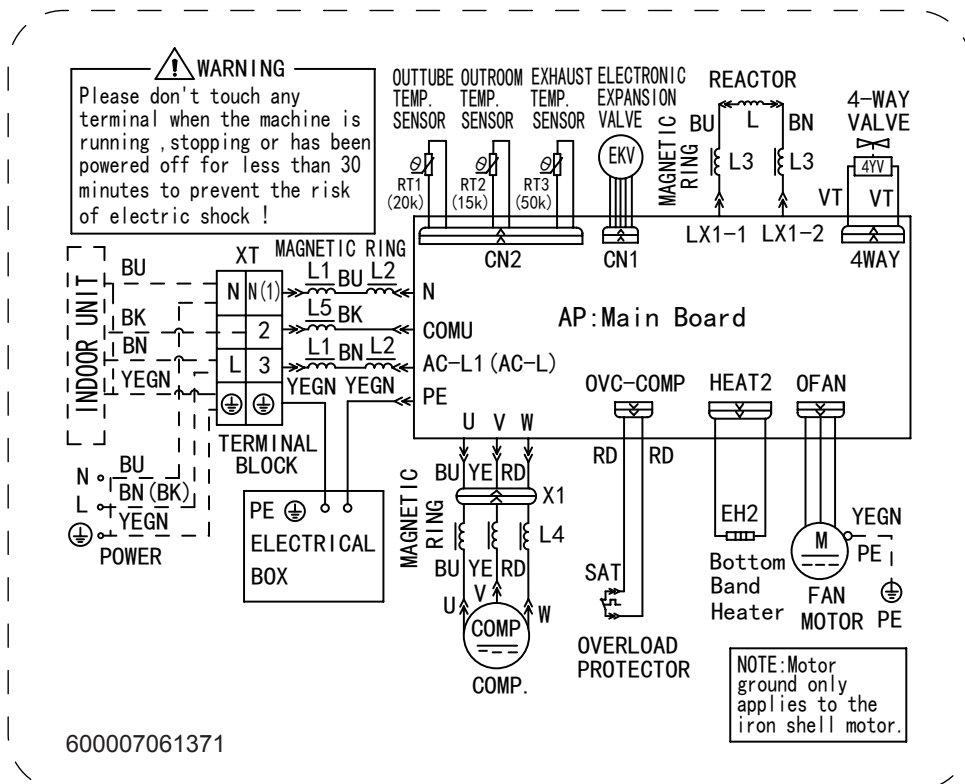


GEH09AA-K6DNA1F/I(CV010N02700)

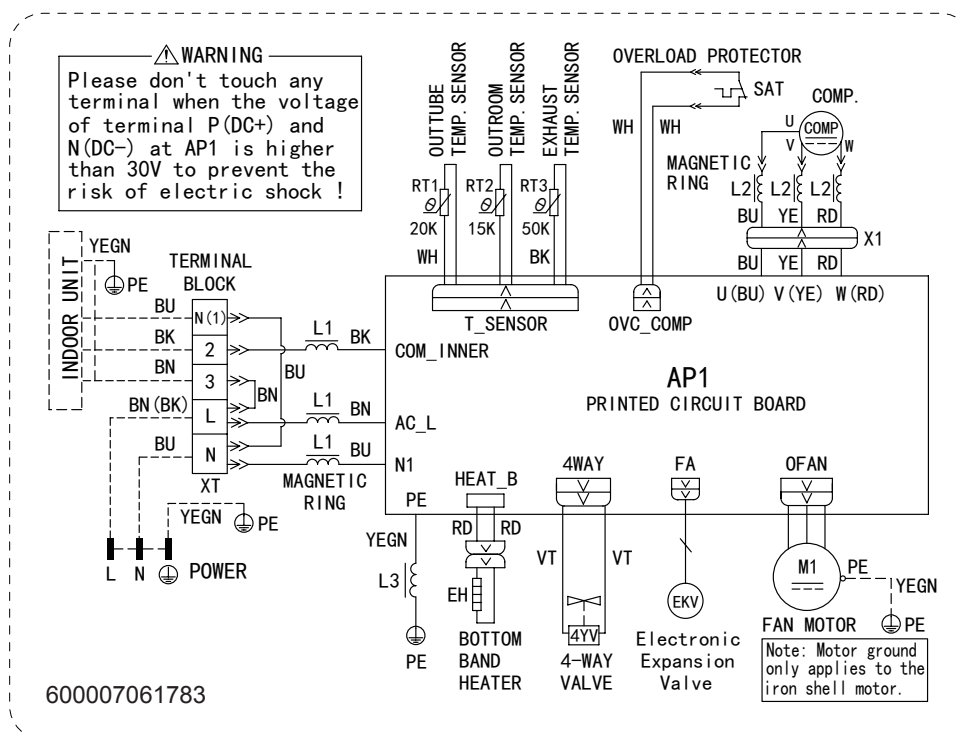


• Outdoor Unit

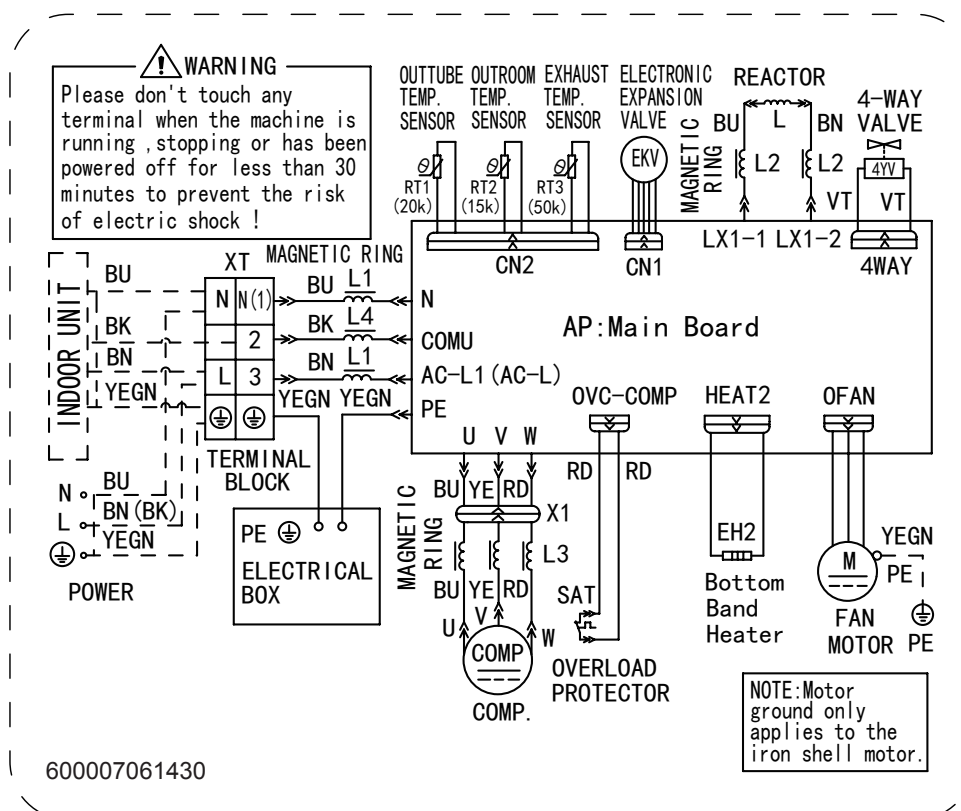
GEH09AA-K6DNA1F/O



GEH18AA-K6DNA1F/O



GEH12AA-K6DNA1A/O

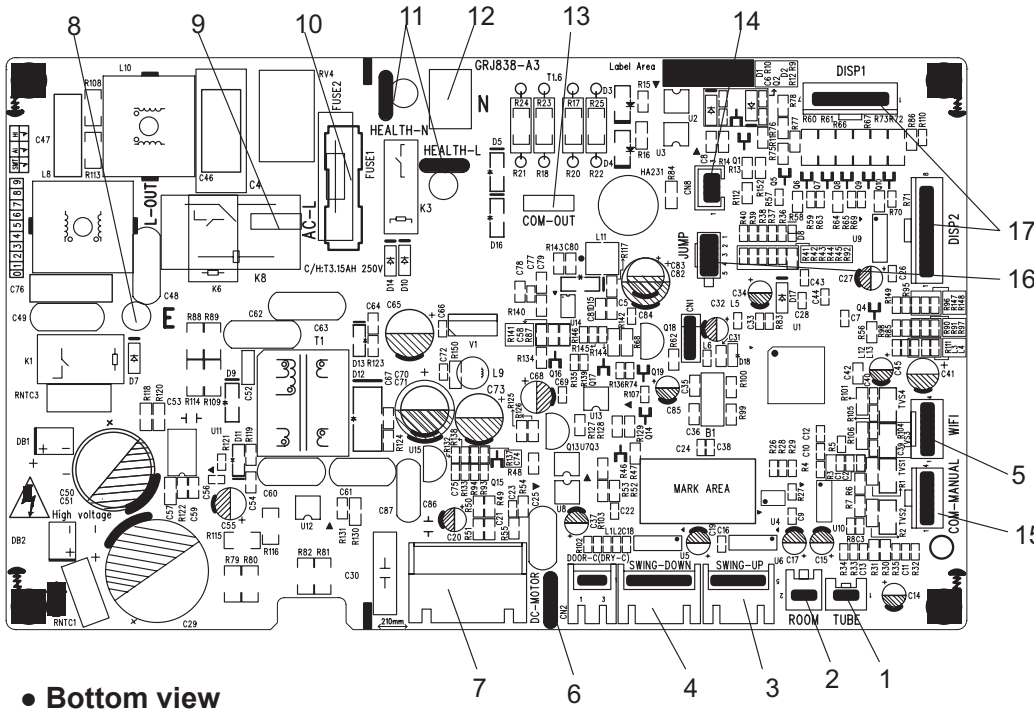


These circuit diagrams are subject to change without notice, please refer to the one supplied with the unit.

5.2 PCB Printed Diagram

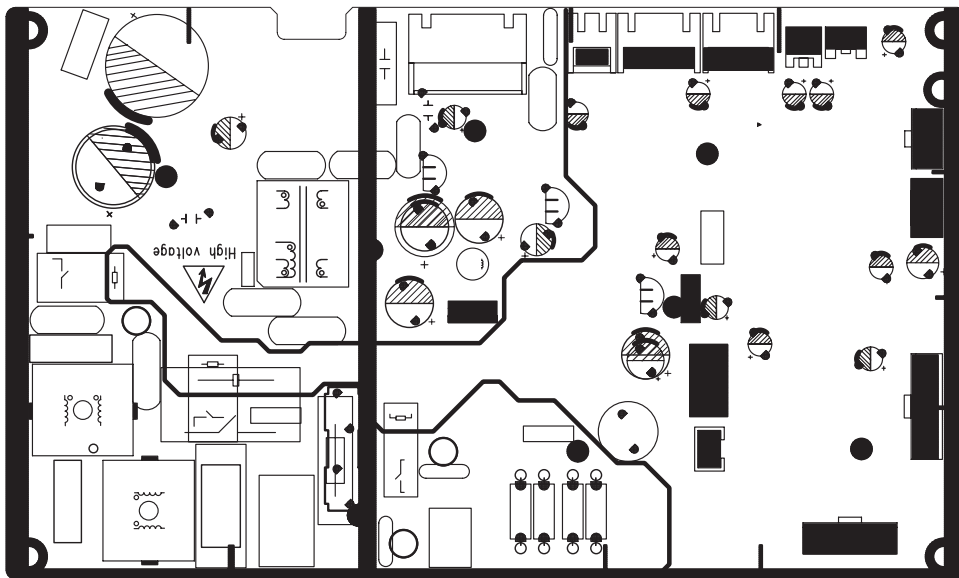
Indoor Unit

• Top view



NO.	Name
1	Interface of tube temperature sensor
2	Interface of ambient temperature sensor
3	Up swing interface
4	Down swing interface
5	WIFI interface
6	Interface of EMC shielding wire
7	DC motor interface
8	Earthing wire of main board
9	Terminal of live wire
10	Fuse
11	Terminal for health function (only for the mode with this function)
12	Terminal of neutral wire
13	Communication interface between indoor unit and outdoor unit
14	Control interface of Down swing
15	Wired controlled interface
16	Needle stand of jumper cap
17	Interface of display board

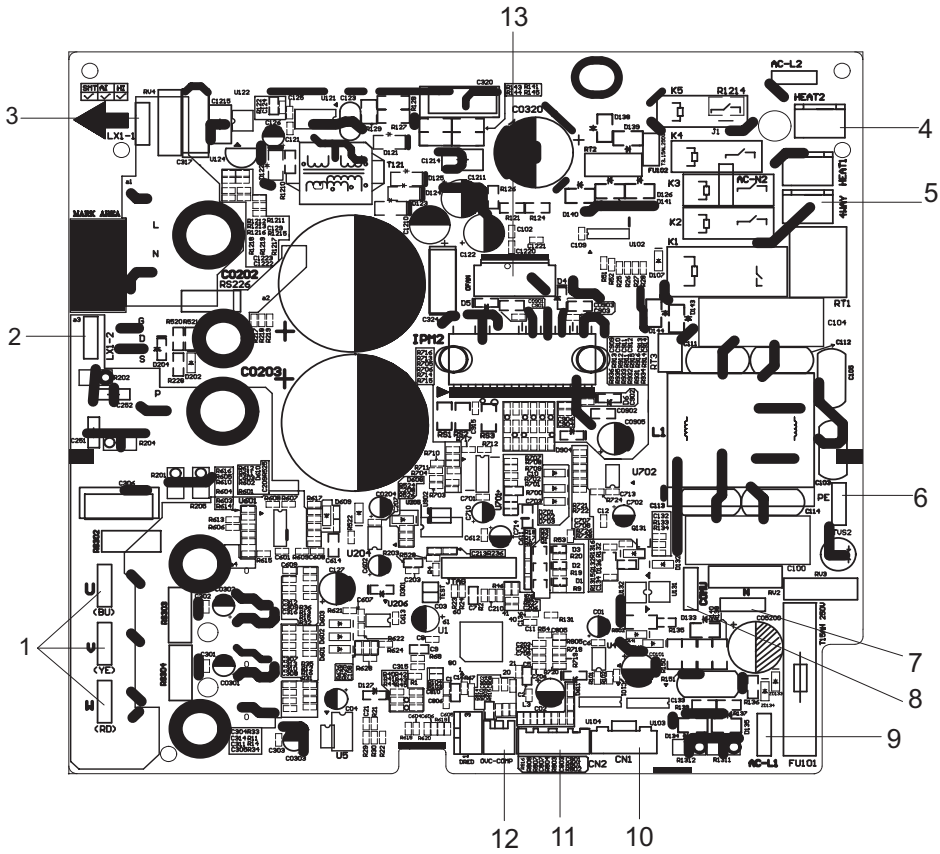
• Bottom view



Outdoor Unit

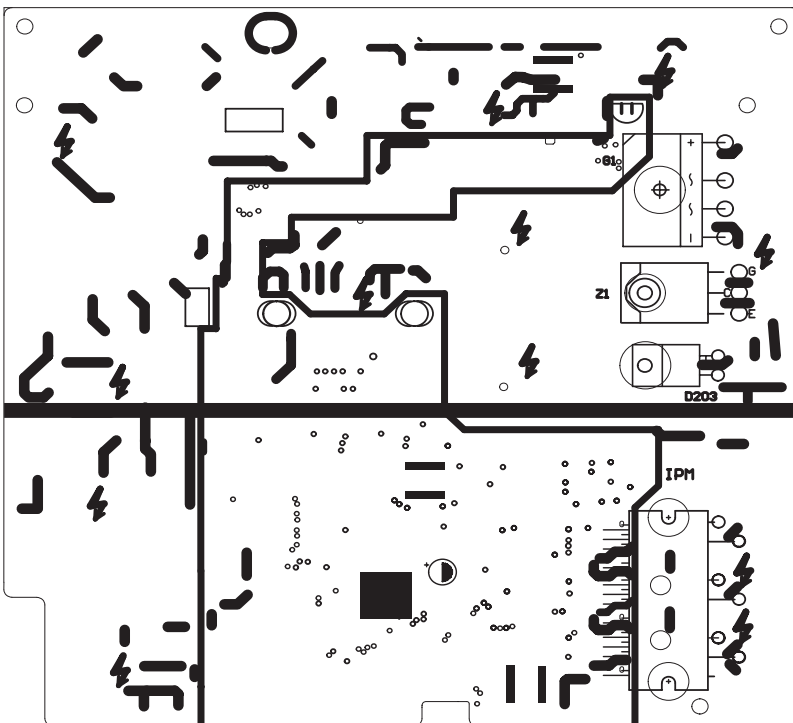
09/12K

• Top view



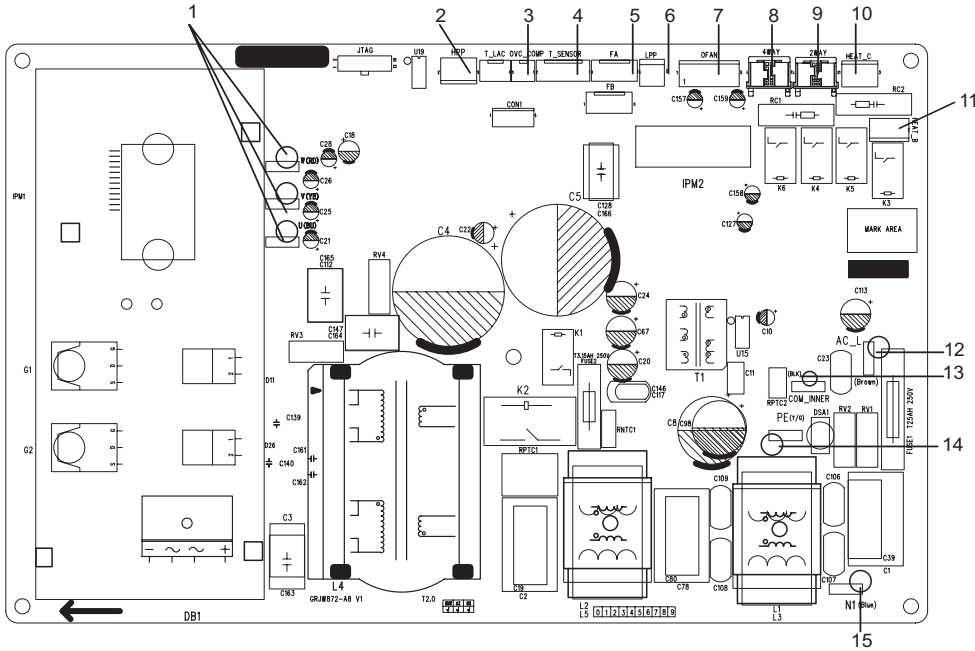
No.	Name
1	Interface of compressor wire
2	Reactor wiring terminal 2
3	Reactor wiring terminal 1
4	Terminal of chassis electric heater
5	4-way valve terminal
6	Grounding wire
7	Neutral wire
8	Communication wire
9	Live wire
10	Terminal of electronic expansion valve
11	Interface of temperature sensor
12	Overload interface of compressor
13	Terminal of outdoor fan

• Bottom view



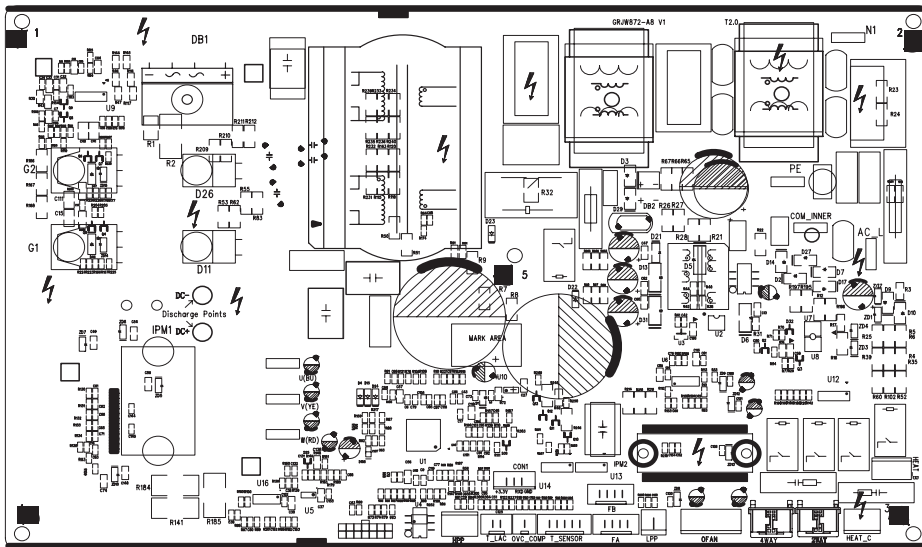
GEH18AA-K6DNA1F/O

• Top view



No	Name
1	Compressor wiring terminal for U V W
2	Terminal of system high pressure protection
3	Compressor overload protection terminal
4	Interface of temperature sensor
5	Terminal of electronic expansion valve
6	Terminal of system low pressure protection
7	Terminal of outdoor fan
8	4-way valve terminal
9	Terminal of compressor electric heater
10	Terminal of compressor electric heater
11	Interface of electric heating belt of chassis
12	Terminal of power supply live wire terminal
13	Interface of communication wire for indoor unit and outdoor unit
14	Terminal of power supply earthing wire
15	Terminal of power supply neutral wire

• Bottom view



6. Function and Control

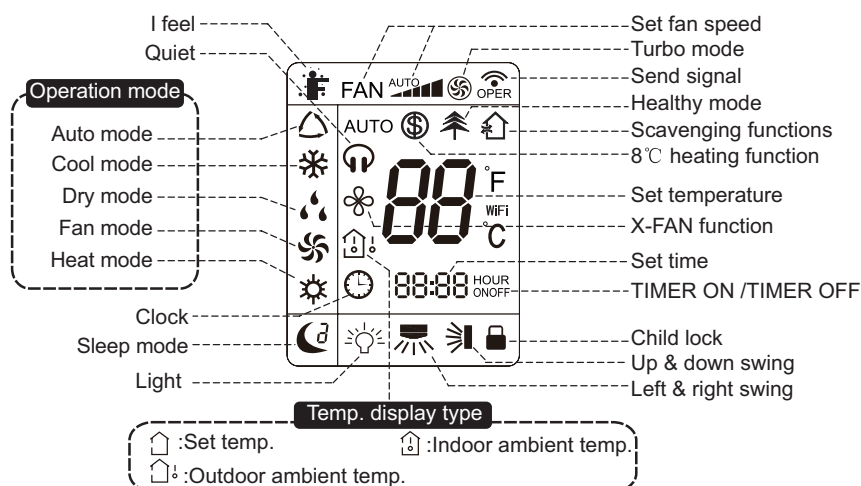
6.1 Remote Controller Introduction

Buttons on Remote Controller



- 1 ON/OFF button
- 2 +/- button
- 3 MODE button
- 4 FAN button
- 5 SWING button
- 6 I FEEL button
- 7 button
- 8 SLEEP button
- 9 TEMP button
- 10 QUIET button
- 11 CLOCK button
- 12 T-ON/T-OFF button
- 13 TURBO button
- 14 WiFi button
- 15 LIGHT button

Introduction for Icons on Display Screen



Introduction for Buttons on Remote Controller

Note:
This is a general use remote controller, it could be used for the air conditioners with multifunction; For some function, which the model doesn't have, if press the corresponding button on the remote controller that the unit will keep the original running status.

- 1 **ON/OFF button**
Press this button to turn on the unit. Press this button again to turn off the unit.
- 2 **- button**
Press this button to decrease set temperature. Holding it down above 2 seconds rapidly decreases set temperature. In AUTO mode, set temperature is not adjustable.
- + button**
Press this button to increase set temperature. Holding it down above 2 seconds rapidly increases set temperature. In AUTO mode, set temperature is not adjustable.

3 MODE button

Each time you press this button , a mode is selected in a sequence that goes from AUTO,COOL, DRY, FAN, and HEAT * , as the following:

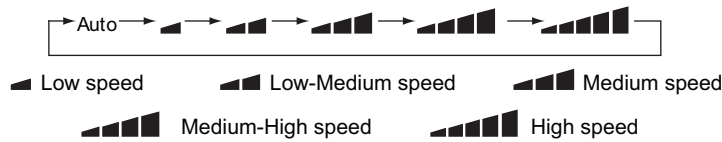


*Note:Only for models with heating function.

After energization, AUTO mode is defaulted. In AUTO mode, the set temperature will not be displayed on the LCD, and the unit will automatically select the suitable operation mode in accordance with the room temperature to make indoor room comfortable.(As for cooling only unit,it won't have any action when it receives the signal of heating operation.)

4 FAN button

This button is used for setting Fan Speed in the sequence that goes from AUTO, , , to , then back to Auto.



5 SWING button

Press this button to set up &down swing angle, which circularly changes as below:



This remote controller is universal. If any command , or is sent out, the unit will carry out the command as indicates the guide louver swings as:

6 I FEEL button

Press this button to turn on I FEEL function. The unit automatically adjust temperature according to the sensed temperature. Press this button again to cancel I FEEL function.

7 button

Press this button to achieve the on and off of healthy and scavenging functions in operation status. Press this button for the first time to start scavenging function; LCD displays "". Press the button for the second time to start healthy and scavenging functions simultaneously; LCD displays "" and "". Press this button for the third time to quit healthy and scavenging functions simultaneously. Press the button for the fourth time to start healthy function; LCD display "". Press this button again to repeat the operation above.

8 SLEEP button

- Press this button, can select Sleep 1 (), Sleep 2 (),Sleep 3 () and cancel the Sleep,circulate between these, after electrified, Sleep Cancel is defaulted.
- Sleep 1 is Sleep mode 1, in Cool mode: after run for one hour in sleep mode, the main unit setting temperature will increase 1℃ , after 2 hours, the setting temperature will increase 2℃ , but the maximal setting temperature is 30℃ , then the unit will run at this setting temperature all along; In Heat mode: after run for one hour in sleep mode, the setting temperature will decrease 1℃ after 2 hours the setting temperature will decrease 2℃ , but the minimal setting temperature is 16℃ , then the unit will run at this setting temperature all along.
- Sleep 2 is sleep mode 2, that is air conditioner will run according to the presetting a group of sleep temperature curve.
- Sleep 3- the sleep curve setting under Sleep mode by DIY:

(1) Under Sleep 3 mode, press "Turbo" button for a long time, remote control enters into user individuation sleep setting status, at this time, the time of remote control will display "1hour ",the setting temperature "88" will display the corresponding temperature of last setting sleep curve and blink (The first entering will display according to the initial curve setting value of original factory);

(2) Adjust "+" and "-" button, could change the corresponding setting temperature, after adjusted, press "Trubo "button for confirmation;

(3) At this time, 1hour will be automatically increased at the timer position on the remote control, (that are "2hours " or "3hours " or "8hours "), the place of setting temperature "88" will display the corresponding temperature of last setting sleep curve and blink;

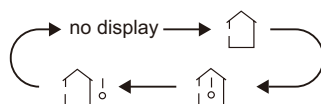
(4) Repeat the above step (2) ~ (3) operation, until 8hours temperature setting finished,sleep,curve setting finished, at this time, the remote control will resume the original timer display;temperature display will resume to original setting temperature.



Sleep3- the sleep curve setting under Sleep mode by DIY could be inquired:

- The user could accord to sleep curve setting method to inquire the presetting sleep curve,enter into user individuation sleep setting status, but do not change the temperature, press "Turbo" button directly for confirmation.Note: In the above presetting or enquiry procedure,if continuously within10s, there is no button pressed, the sleep curve setting within 10s, there is no button pressed, the sleep curve setting status will be automatically quit and resume to display the original displaying. In the presetting or enquiry procedure, press "ON/OFF" button, "Mode" button, "Timer"button or "Sleep" button, the sleep curve setting or enquiry status will quit similarly.


9 TEMP button

Press this button, you can see indoor set temperature, indoor ambient temperature on indoor unit's display. The setting on remote controller is selected circularly as below:







When selecting "  " with remote controller or no display, temperature indicator on indoor unit displays set temperature; When selecting "  " with remote controller, temperature indicator on indoor unit displays indoor ambient temperature; 5s later or within 5s it receives other remote control signal that will return to display the setting temperature.



Caution:

- This model hasn't outdoor ambient temperature display function. While remote controller can operate "  " and indoor unit displays set temperature.
- It's defaulted to display set temperature when turning on the unit.
- Only for the models with temperature indicator on indoor unit.

10 QUIET button


Press this button, the Quiet status is under the Auto Quiet mode (display "  "signal)and Quiet mode (display "  " signal) and Quiet OFF (there is no signal of "  "displayed),after powered on, the Quiet OFF is defaulted. Note: the Quiet function cannot be set up in Fan and Dry mode;Under the Quiet mode (Display"  " Under the Quiet mode) the fan speed is not available.

11 CLOCK button

Press CLOCK button,blinking.  Within 5 seconds, pressing + or - button adjusts the present time. Holding down either button above 2 seconds increases or decreases the time by 1 minute every 0.5 second and then by 10 minutes every 0.5 second. During blinking after setting, press CLOCK button again to confirm the setting, and  then will be constantly displayed.

12 T-ON/T-OFF button

Press T-ON button to initiate the auto-ON timer. To cancel the auto-timer program, simply press this button again.

After press of this button,  disappears and "ON"blink s . 00:00 is displayed for ON time setting. Within 5 seconds, press + or - button to adjust the time value. Every press of either button changes the time setting by 1 minute. Holding down either button rapidly changes the time setting by 1 minute and then 10 minutes. Within 5 Seconds after setting, press TIMER ON button to confirm.

Press T-OFF button to initiate the auto-off timer. To cancel the auto-timer program, simply press the button again.TIMER OFF setting is the same as TIMER ON.

13 TURBO button



Press this button to activate / deactivate the Turbo function which enables the unit to reach the preset temperature in the shortest time. In COOL mode, the unit will blow strong cooling air at super high fan speed. In HEAT mode, the unit will blow strong heating air at super high fan speed.

14 WiFi button

Press "WiFi" button to turn on or turn off WiFi function. When WiFi function is turned on, the "WiFi" icon will be displayed on remote controller; Under status of unit off, press "MODE" and "WiFi" buttons simultaneously for 1s, WiFi module will restore to factory default setting.

- This function is only available for some models.

15 LIGHT button

Press LIGHT button to turn on the display's light and press this button again to turn off the display's light. If the light is turned on,  is displayed. If the light is turned off,  disappears.



If "H1" is displayed on the remote controller while it's not operated by the professional person/after-sales person, it belongs to the misoperation.

Please operate it as below to cancel it. Under the OFF status of remote controller, hold the Mode button for 5s to cancel "H1" display.

Note:

- If remote controller displays "H1", it belongs to the normal function reminder. If the unit is defrosting under heating mode, it operates according to H1 defrosting mode. "H1" won't be displayed on the panel of indoor unit;
- Once you set H1 mode, if you turn off unit by remote controller, H1 will display 3 times on the remote controller and then disappear;
- Also, when you set H1 mode, when you change to heating mode, H1 will display 3 times on the remote controller and then disappear.

Combination of "+" and "-" buttons: About lock

Press "+" and "-" buttons simultaneously to lock or unlock the keypad. If the remote controller is locked,  is displayed. In this case, pressing any button,  blinks three times.

Combination of "MODE" and "-" buttons: About switch between Fahrenheit and centigrade

At unit OFF, press "MODE" and "-" buttons simultaneously to switch between °C and °F.

Combination of "TEMP" and "CLOCK" buttons: About Energy-saving Function

Press "TEMP" and "CLOCK" simultaneously in COOL mode to start energy-saving function. Nixie tube on the remote controller displays "SE". Repeat the operation to quit the function.


Combination of "TEMP" and "CLOCK" buttons: About 8°C Heating Function

Press "TEMP" and "CLOCK" simultaneously in HEAT mode to start 8°C Heating Function Nixie tube on the remote controller displays "8" and a selected temperature of "8°C". (46°F if Fahrenheit is adopted). Repeat the operation to quit the function.

About Back-lighting Function

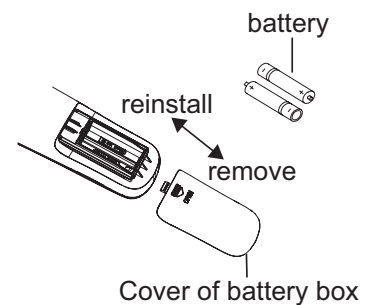
The unit lights for 4s when energizing for the first time, and 3s for later press.

Replacement of Batteries in Remote Controller

1. Press the back side of remote controller marked with  as shown in the fig, and then push out the cover of battery box along the arrow direction.
2. Replace two 7# (AAA 1.5V) dry batteries, and make sure the position of "+" polar and "-" polar are correct.
3. Reinstall the cover of battery box.

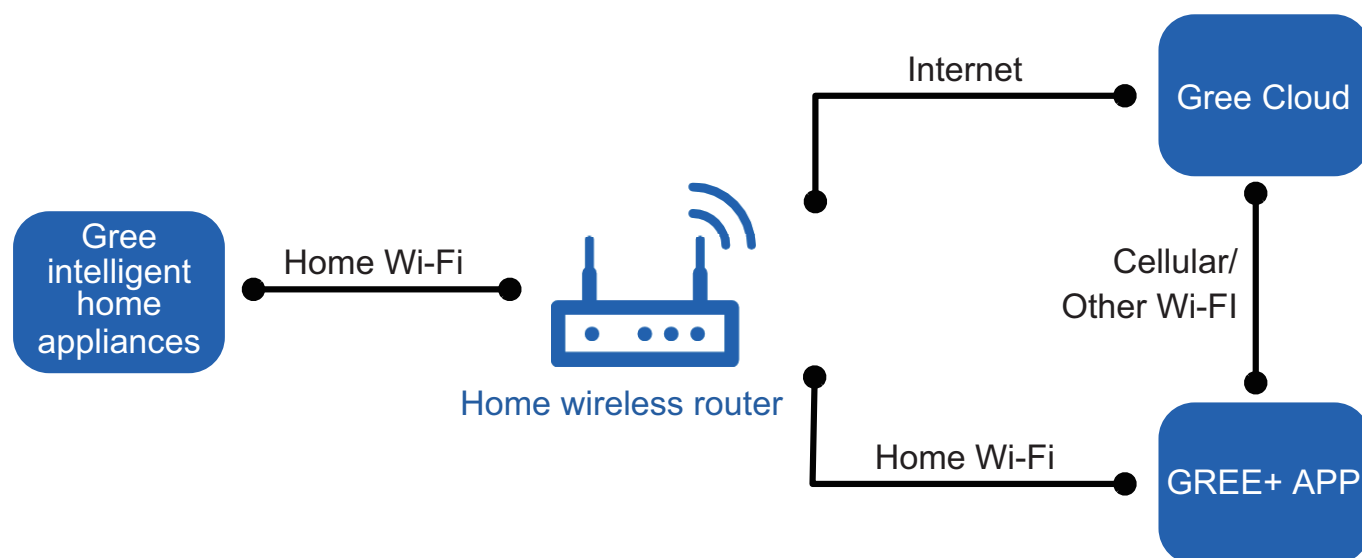
Note:

- During operation, point the remote control signal sender at the receiving window on indoor unit.
- The distance between signal sender and receiving window should be no more than 8m, and there should be no obstacles between them.
- Signal may be interfered easily in the room where there is fluorescent lamp or wireless telephone; remote controller should be close to indoor unit during operation.
- Replace new batteries of the same model when replacement is required.
- When you don't use remote controller for a long time, please take out the batteries.
- If the display on remote controller is fuzzy or there's no display, please replace batteries.



6.2 GREE+ App Operation Manual

Control Flow Chart



Operating Systems

Requirement for User's smart phone:



iOS system
Support iOS7.0 and
above version



Android system
Support Android 4.4 and
above version

Download and installation



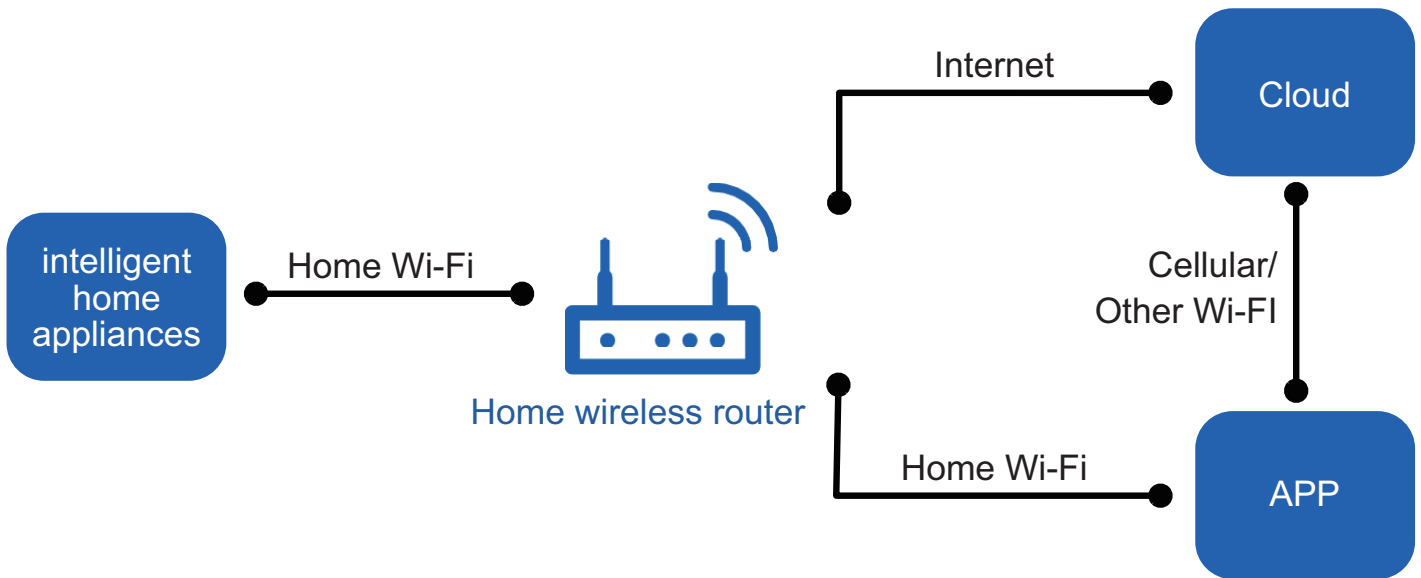
GREE+ App Download Linkage

Scan the QR code or search "GREE+" in the application market to download and install it. When "GREE+" App is installed, register the account and add the device to achieve long-distance control and LAN control of Gree smart home appliances.

For more information, please refer to "Help" in App.

6.3 Ewpe Smart App Operation Manual

Control Flow Chart



Operating Systems

Requirement for User's smart phone:



iOS system
Support iOS7.0 and
above version



Android system
Support Android 4.4 and
above version

Download and installation



App Download Linkage

Scan the QR code or search "Ewpe Smart" in the application market to download and install it. When "Ewpe Smart" App is installed, register the account and add the device to achieve long-distance control and LAN control of smart home appliances. For more information, please refer to "Help" in App.