

Service Manual

Model: GJC07AF-K6RNB3A GJC07AF-K6RNC2A GJH07AF-K6RNB3A GJH07AF-K6RNC2A GJC09AF-K6RNB3A GJC09AF-K6RNC2A GJH09AF-K6RNB3A GJH09AF-K6RNC2A GJC12AD-K6RNB3A GJC12AD-K6RNC2A GJH12AD-K6RNB3A GJH12AD-K6RNC2A GJC18AC-K6RNB3A GJC18AC-K6RNC2A GJH18AC-K6RNB3A GJH18AC-K6RNC2A

GJC21AC-K6RNB3A GJC21AC-K6RNC2A GJH21AC-K6RNB3A GJH21AC-K6RNC2A (Refrigerant R32)

Table of Contents

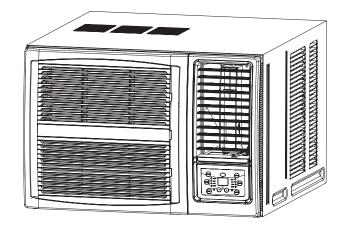
Part 1: lechnical information	
1.Summary	1
2.Specifications	2
3.Outline Dimension Diagram	16
4.Refrigerant System Diagram	
5.Electrical Part	
5.1 Wiring Diagram	
5.2 PCB Printed Diagram	
6.Function and Control	22
6.1 Introduction of Control Panel	22
6.2 Introduction of Remote Controller	23
6.3 Function Introduction	27
Part II :Installation and Maintenance	29
7.Notes for Installation and Maintenance	29
8.Installation	32
8.1 Selection of Installation Location	32
8.2 Electric Connection Requirement	32
8.3 Installation Procedure	33
8.4 Installation of Accessories	33
8.5 Drain Water	
9.Maintenance	34
10.Exploded View and Parts List	37
11.Removal Procedure	77
Appendix:	89
Appendix 1: Reference Sheet of Celsius and Fahrenheit	
Appendix 2: List of Resistance for Ambient Temperature Sensor	

Part I: Technical Information

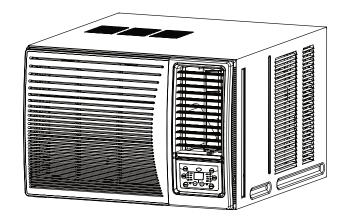
1.Summary

Model: GJC07AF-K6RNC2A

GJH07AF-K6RNC2A GJC09AF-K6RNC2A GJH09AF-K6RNC2A GJC12AD-K6RNC2A GJH12AD-K6RNC2A GJC18AC-K6RNC2A GJH18AC-K6RNC2A GJC21AC-K6RNC2A GJH21AC-K6RNC2A



GJC07AF-K6RNB3A GJH07AF-K6RNB3A GJC09AF-K6RNB3A GJH09AF-K6RNB3A GJC12AD-K6RNB3A GJH12AD-K6RNB3A GJC18AC-K6RNB3A GJH18AC-K6RNB3A GJC21AC-K6RNB3A GJH21AC-K6RNB3A



Remote Controller

YS1FA



1

2.Specifications

Model			GJC07AF-K6RNC2A	GJH07AF-K6RNC2A
Product Cod	de		CC052031000	CC052031100
D	Rated Voltage	V~	220-240	220-240
Power	Rated Frequency	Hz	50	50
Supply	Phases		1	1
Cooling Cap	pacity	W	2200	2200
Heating Cap	-	W	1	1900
Cooling Pow		W	660	660
Heating Pov		W	1	570
Cooling Cur	•	Α	2.87	2.87
Heating Cur	•	А	1	2.48
Rated Input	-	W	950	950
Rated Curre		Α	4.5	4.5
Air Flow Vol	ume(H/M/L)	m³/h	480/430/380	480/430/380
Dehumidifyii	` '	L/h	0.5	0.5
EER	ng remaine	W/W	3.33	3.33
COP		W/W	/	3.33
Application A	Area	m ²	7-12	7-12
Climate Type			T1	T1
Isolation	<u> </u>			l I
Moisture Pro	otection		IP24	IP24
	Excessive Operating Pressure for the			
Discharge S		MPa	4.3	4.3
	Excessive Operating Pressure for the			
Suction Side	, ,	MPa	2.5	2.5
Dimension (mm	560X375X668	560X375X668
	of Carton Box (LXWXH)	mm	763X620X410	763X620X410
	of Package (LXWXH)	mm	766X623X425	766X623X425
Net Weight	and a contract of	kg	39	41
Gross Weigl	ht	kg	43	45
Refrigerant		- Ng	R32	R32
Refrigerant (Charge	kg	0.4	0.53
tomgorant	Fan Type	- Ng	Centrifugal	Centrifugal
	Fan Diameter Length(DXL)	mm	Ф205.5Х111	Ф205.5Х111
	Cooling Speed	r/min	930/870/810	930/870/810
	Heating Speed	r/min	/	/
	Fan Motor Power Output	W	60	60
	Fan Motor RLA	A	0.5	0.5
	Fan Motor Capacitor	μF	3.5	3.5
	Electric Heating Power Input	W	/	/
Indoor	Evaporator Form	•••	Alumium Tube	Alumium Tube
Side	Evaporator Pipe Diameter	mm	Ф7	Ф7
	Evaporator Row-fin Gap	mm	3-1.3	3-1.3
	Evaporator Coil Length (LXDXW)	mm	330X38.1X324	330X38.1X324
	Swing Motor Model	111111	MP24VA	MP24VA
	Swing Motor Power Output	W	1.5	1.5
	Fuse Current		3.15	
		AD (A)		3.15
	Sound Pressure Level (H/M/L)	dB (A)	49/47/45	49/47/45
	Sound Power Level (H/M/L)	dB (A)	59/57/55	59/57/55

Compressor Model Co.,LTD Co.,LTD Compressor Model QXF-A071L190 QXF-A071L190 Compressor Oil FW68DA FW68DA Compressor Type Rotary Rotary Compressor LRA A 15.5 15.5 Compressor Power Input W 590 590 Compressor Overload Protector UP3-A0 UP3-A0 UP3-A0 Throttling Method Capillary Capillary Capillary Set Temperature Range °C 16~30 16~30 16~30 Cooling Operation Ambient °C 18~43 18~43 18~43 Temperature Range "C / -7~30 Aluminum Fin-copper Tube Ondenser Rows-fin Gap Throtting Method Set Temperature Range 1 -7~30 Set Temperature Range -7~30	O a market and a state of a state		ZHUHAI LANDA COMPRESSOR	ZHUHAI LANDA COMPRESSOR
Outdoor Side Compressor Oil FW68DA FW68DA FW68DA FW68DA FW68DA Compressor Type Rotary Rotary Compressor LRA. A 15.5 15.5 Compressor RLA A 2.7 2.7 Compressor Power Input W 590 590 Compressor Overload Protector UP3-A0 UP3-A0 Throttling Method Capillary Capillary Set Temperature Range °C 16~30 16~30 Cooling Operation Ambient °C 18~43 18~43 Temperature Range °C / -7~30 Heating Operation Ambient °C / -7~30 Temperature Range °C / -7~30 Condenser Form Aluminum Fin-copper Tube Aluminum Fin-copper Tube Condenser Rows-fin Gap mm 2-1.3 2-1.3 Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 <t< td=""><td>Compressor Manufacturer</td><td></td><td>CO.,LTD</td><td>CO.,LTD</td></t<>	Compressor Manufacturer		CO.,LTD	CO.,LTD
Outdoor Side Side Compressor Type Rotary Rotary Outdoor Side Compressor LRA. A 15.5 15.5 Compressor Power Input W 590 590 Compressor Overload Protector UP3-A0 UP3-A0 Throttling Method Capillary Capillary Set Temperature Range °C 16~30 16~30 Cooling Operation Ambient °C 18~43 18~43 Temperature Range °C / -7~30 Heating Operation Ambient °C / -7~30 Temperature Range Condenser Form Aluminum Fin-copper Tube Aluminum Fin-copper Tube Condenser Pipe Diameter mm Ф5 Ф7 Condenser Rows-fin Gap mm 2-1.3 2-1.3 Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60 60	Compressor Model		QXF-A071L190	QXF-A071L190
Outdoor Side Side Compressor LRA. A 15.5 15.5 15.5 2.7 3.2 2.7 2.7 3.2 2.7 3.2 2.7 3.2 2.7 3.2 2.7 3.2 2.7 3.2 2.7 3.2 2.7 3.2 </td <td>Compressor Oil</td> <td></td> <td>FW68DA</td> <td>FW68DA</td>	Compressor Oil		FW68DA	FW68DA
Outdoor Side Condenser Form A Description A Descri	Compressor Type		Rotary	Rotary
Outdoor Side Condenser Form M 590 590 Outdoor Side Condenser Rows-fin Gap °C 18~43 18~43 Outdoor Side Aluminum Fin-copper Tube Aluminum Fin-copper Tube Aluminum Fin-copper Tube Outdoor Side Fan Motor Speed rpm 930/870/810 930/870/810 Outdoor Side Fan Motor Power Output W 590 590 Outdoor Temperature Range °C 16~30 16~30 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43 18~43	Compressor LRA.	А	15.5	15.5
Outdoor Side Condenser Form Aluminum Fin-copper Tube Aluminum Fin-copper Tube Aluminum Fin-copper Tube Aluminum Fin-copper Tube Fan Motor Speed p30/870/810 930/870/810 930/870/810 930/870/810 Fan Motor Power Output Compressor Overload Protector UP3-A0 UP3-A0 UP3-A0 Capillary Temperature Range Capillary Capillary Capillary	Compressor RLA	А	2.7	2.7
Outdoor Side Throttling Method Capillary Capillary Outdoor Side Set Temperature Range °C 16~30 16~30 Outdoor Side Temperature Range °C 18~43 18~43 Heating Operation Ambient Temperature Range °C / -7~30 Condenser Form Aluminum Fin-copper Tube Aluminum Fin-copper Tube Condenser Pipe Diameter mm Φ5 Φ7 Condenser Rows-fin Gap mm 2-1.3 2-1.3 Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60 60	Compressor Power Input	W	590	590
Outdoor Side Set Temperature Range °C 16~30 16~30 Outdoor Side Temperature Range °C 18~43 18~43 Heating Operation Ambient Temperature Range °C / -7~30 Condenser Form Aluminum Fin-copper Tube Aluminum Fin-copper Tube Condenser Pipe Diameter mm Φ5 Φ7 Condenser Rows-fin Gap mm 2-1.3 2-1.3 Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60 60	Compressor Overload Protector		UP3-A0	UP3-A0
Outdoor Side Cooling Operation Ambient Temperature Range °C 18~43 18~43 Outdoor Side Heating Operation Ambient Temperature Range °C / -7~30 Condenser Form Aluminum Fin-copper Tube Aluminum Fin-copper Tube Condenser Pipe Diameter mm Ф5 Ф7 Condenser Rows-fin Gap mm 2-1.3 2-1.3 Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60 60	Throttling Method		Capillary	Capillary
Outdoor Side Temperature Range Heating Operation Ambient °C 18~43 Temperature Range 'C / -7~30 Temperature Range / -7~30 Condenser Form Aluminum Fin-copper Tube Aluminum Fin-copper Tube Condenser Pipe Diameter mm 2-1.3 Condenser Rows-fin Gap mm 2-1.3 2-1.3 Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60	Set Temperature Range	°C	16~30	16~30
Temperature Range Heating Operation Ambient °C / -7~30 Temperature Range Condenser Form Aluminum Fin-copper Tube Aluminum Fin-copper Tube Condenser Pipe Diameter mm Φ5 Φ7 Condenser Rows-fin Gap mm 2-1.3 2-1.3 Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60 60	Cooling Operation Ambient	00	40, 40	40, 42
Outdoor Side Temperature Range C / -7~30 Condenser Form Aluminum Fin-copper Tube Aluminum Fin-copper Tube Condenser Pipe Diameter mm Ф5 Ф7 Condenser Rows-fin Gap mm 2-1.3 2-1.3 Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60 60	Temperature Range		18~43	18~43
Temperature Range Condenser Form Aluminum Fin-copper Tube Aluminum Fin-copper Tube Condenser Pipe Diameter mm Φ5 Φ7 Condenser Rows-fin Gap mm 2-1.3 2-1.3 Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60 60	Heating Operation Ambient	°C	1	7-20
Condenser Form Aluminum Fin-copper Tube Aluminum Fin-copper Tube Condenser Pipe Diameter mm Φ5 Φ7 Condenser Rows-fin Gap mm 2-1.3 2-1.3 Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60 60	Temperature Range		,	
Condenser Rows-fin Gap mm 2-1.3 2-1.3 Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60 60	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
Condenser Coil Length (LXDXW) mm 597X22.8X342.9 597X25.4X342.9 Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60 60	Condenser Pipe Diameter	mm	Ф5	Ф7
Fan Motor Speed rpm 930/870/810 930/870/810 Fan Motor Power Output W 60 60	Condenser Rows-fin Gap	mm	2-1.3	2-1.3
Fan Motor Power Output W 60 60	Condenser Coil Length (LXDXW)	mm	597X22.8X342.9	597X25.4X342.9
· · · · · · · · · · · · · · · · · · ·	Fan Motor Speed	rpm	930/870/810	930/870/810
Ean Motor PLA 0.5	Fan Motor Power Output	W	60	60
I AIT MOTOLINEA D.S	Fan Motor RLA	А	0.5	0.5
Fan Motor Capacitor µF 3.5 3.5	Fan Motor Capacitor	μF	3.5	3.5
Outdoor Unit Air Flow Volume m³/h 850 850	Outdoor Unit Air Flow Volume	m³/h	850	850
Fan Type Axial-flow Axial-flow	Fan Type		Axial-flow	Axial-flow
Fan Diameter mm Ф353 Ф353	Fan Diameter	mm	Ф353	Ф353
Sound Pressure Level (H/M/L) dB (A) 57/55/53 57/55/53	Sound Pressure Level (H/M/L)	dB (A)	57/55/53	57/55/53
Sound Power Level (H/M/L) dB (A) 67/65/63 67/65/63	Sound Power Level (H/M/L)	dB (A)	67/65/63	67/65/63
Defrosting Method / /	Defrosting Method		/	/

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

Model			GJC07AF-K6RNB3A	GJH07AF-K6RNB3A
Product Cod	de		CC052047300	CC052047500
_	Rated Voltage	V~	220-240	220-240
Power	Rated Frequency	Hz	50	50
Supply	Phases		1	1
Cooling Cap	pacity	W	2200	2200
Heating Car		W	1	1900
Cooling Pov		W	660	660
Heating Pov	•	W	1	570
Cooling Cur	•	Α	2.87	2.87
Heating Cur		Α	1	2.48
Rated Input	·	W	950	950
Rated Curre		Α	4.5	4.5
Air Flow Vol		m³/h	480/430/380	480/430/380
Dehumidifyi	· · · · · · · · · · · · · · · · · · ·	L/h	0.5	0.5
EER	5 - 2	W/W	3.33	3.33
COP		W/W	/	3.33
Application /	Area	m ²	7-12	7-12
Climate Typ			T1	T1
Isolation	<u> </u>		 	1
Moisture Pro	otection		IP24	IP24
	Excessive Operating Pressure for the			
Discharge S	, ,	MPa	4.3	4.3
Permissible Excessive Operating Pressure for the				
Suction Side	, •	MPa	2.5	2.5
Dimension (mm	560X375X668	560X375X668
`	of Carton Box (LXWXH)	mm	763X620X410	763X620X410
	of Package (LXWXH)	mm	766X623X425	766X623X425
Net Weight	,	kg	41	42
Gross Weig	ht	kg	45	46
Refrigerant		J	R32	R32
Refrigerant	Charge	kg	0.40	0.53
	Fan Type	J	Centrifugal	Centrifugal
	Fan Diameter Length(DXL)	mm	Ф205.5X111	Ф205.5X111
	Cooling Speed	r/min	930/870/810	930/870/810
	Heating Speed	r/min	1	/
	Fan Motor Power Output	W	60	60
	Fan Motor RLA	Α	0.5	0.5
	Fan Motor Capacitor	μF	3.5	3.5
	Electric Heating Power Input	W	1	/
Indoor Side	Evaporator Form		Alumium Tube	Alumium Tube
	Evaporator Pipe Diameter	mm	Ф7	Ф7
	Evaporator Row-fin Gap	mm	3-1.3	3-1.3
	Evaporator Coil Length (LXDXW)	mm	330X38.1X324	330X38.1X324
	Swing Motor Model	-	MP24VA	MP24VA
	Swing Motor Power Output	W	1.5	1.5
	Fuse Current	A	3.15	3.15
	Sound Pressure Level (H/M/L)	dB (A)	49/47/45	49/47/45
	Sound Power Level (H/M/L)	dB (A)	59/57/55	59/57/55
		GD (71)	00/01/00	1 00,01700

	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR	ZHUHAI LANDA COMPRESSOF
	Compressor Manufacturer		CO.,LTD	CO.,LTD
	Compressor Model		QXF-A071L190	QXF-A071L190
	Compressor Oil		FW68DA	FW68DA
	Compressor Type		Rotary	Rotary
	Compressor LRA.	А	15.5	15.5
	Compressor RLA	А	2.7	2.7
	Compressor Power Input	W	590	590
	Compressor Overload Protector		UP3-A0	UP3-A0
	Throttling Method		Capillary	Capillary
	Set Temperature Range	°C	16~30	16~30
	Cooling Operation Ambient	°C	18~43	18~43
	Temperature Range		16~43	16~43
Outdoor	Heating Operation Ambient	°C		-7~30
	Temperature Range		,	
Side	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Ф5	Ф7
	Condenser Rows-fin Gap	mm	2-1.3	2-1.3
	Condenser Coil Length (LXDXW)	mm	597X22.8X342.9	597X25.4X342.9
	Fan Motor Speed	rpm	930/870/810	930/870/810
	Fan Motor Power Output	W	60	60
	Fan Motor RLA	А	0.5	0.5
	Fan Motor Capacitor	μF	3.5	3.5
	Outdoor Unit Air Flow Volume	m³/h	850	850
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	mm	Ф353	Ф353
	Sound Pressure Level (H/M/L)	dB (A)	57/55/53	57/55/53
	Sound Power Level (H/M/L)	dB (A)	67/65/63	67/65/63
	Defrosting Method		/	1

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

Model			GJC09AF-K6RNC2A GJC09AF-K6RNB3A	GJH09AF-K6RNC2A
Product Cod	le		CC052031200 CC052047200	CC052031300
Danner	Rated Voltage	V~	220-240	220-240
Power	Rated Frequency	Hz	50	50
Supply	Phases		1	1
Cooling Cap	pacity	W	2700	2700
Heating Cap	pacity	W	/	2450
Cooling Pow	ver Input	W	810	810
Heating Pow	ver Input	W	/	740
Cooling Curi		Α	3.52	3.52
Heating Cur	rent Input	Α	1	3.22
Rated Input	•	W	1100	1100
Rated Curre		Α	5	5
Air Flow Volu		m³/h	480/430/380	480/430/380
Dehumidifyir	,	L/h	1	1
EER	<u> </u>	W/W	3.33	3.33
COP		W/W	/	3.31
Application A	Δrea	m ²	12-18	12-18
Climate Type			T1	T1
Isolation	<u> </u>			1
Moisture Pro	otection		IP24	IP24
	Excessive Operating Pressure for the		11 27	11 27
Discharge S	·	MPa	4.3	4.3
Permissible Suction Side	Excessive Operating Pressure for the	MPa	2.5	2.5
Dimension (mm	560X375X668	560X375X668
	of Carton Box (LXWXH)	mm	763X620X410	763X620X410
	of Package (LXWXH)	mm	766X623X425	766X623X425
Net Weight	or r dendge (Extrosur)	kg	42	44
Gross Weigh	ht	kg	46	48
Refrigerant		ı və	R32	R32
Refrigerant (Charge	kg	0.45	0.53
rtonigorane	Fan Type	ı.g	Centrifugal	Centrifugal
	Fan Diameter Length(DXL)	mm	Ф205.5Х111	Ф205.5Х111
	Cooling Speed	r/min	930/870/810	930/870/810
	Heating Speed	r/min	/	/
	Fan Motor Power Output	W	60	60
	Fan Motor RLA	A	0.5	0.5
	Fan Motor Capacitor	μF	3.5	3.5
	Electric Heating Power Input	W	/	/
Indoor Side	Evaporator Form	V V	Alumium Tube	Alumium Tube
	Evaporator Pipe Diameter	mm	Ф7	Φ7
	Evaporator Row-fin Gap	mm mm	3-1.3	3-1.3
	Evaporator Coil Length (LXDXW)		330X38.1X324	330X38.1X324
	Swing Motor Model	mm	MP24VA	MP24VA
	<u> </u>	\^/		
	Swing Motor Power Output	W	1.5	1.5
	Fuse Current	AD (A)	3.15	3.15
	Sound Pressure Level (H/M/L)	dB (A)	49/47/45	49/47/45
	Sound Power Level (H/M/L)	dB (A)	59/57/55	59/57/55

	O		ZHUHAI LANDA COMPRESSOR	ZHUHAI LANDA COMPRESSOR
	Compressor Manufacturer		CO.,LTD	CO.,LTD
	Compressor Model		QXF-B092C190	QXF-B092C190
	Compressor Oil		FW68DA	FW68DA
	Compressor Type		Rotary	Rotary
	Compressor LRA.	А	21.3	21.3
	Compressor RLA	А	3.1	3.1
	Compressor Power Input	W	675	675
	Compressor Overload Protector		UP3-00	UP3-00
	Throttling Method		Capillary	Capillary
	Set Temperature Range	°C	16~30	16~30
	Cooling Operation Ambient	°C	18~43	18~43
	Temperature Range		16~43	16~43
Outdoor	Heating Operation Ambient	°C	1	-7~30
Side	Temperature Range		,	-7 30
Side	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Ф5	Ф7
	Condenser Rows-fin Gap	mm	2-1.3	2-1.3
	Condenser Coil Length (LXDXW)	mm	597X22.8X342.9	597X25.4X342.9
	Fan Motor Speed	rpm	930/870/810	930/870/810
	Fan Motor Power Output	W	60	60
	Fan Motor RLA	Α	0.5	0.5
	Fan Motor Capacitor	μF	3.5	3.5
	Outdoor Unit Air Flow Volume	m³/h	850	850
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	mm	Ф353	Ф353
	Sound Pressure Level (H/M/L)	dB (A)	57/55/53	57/55/53
	Sound Power Level (H/M/L)	dB (A)	67/65/63	67/65/63
	Defrosting Method		/	/

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

Model			GJH09AF-K6RNB3A	GJH12AD-K6RNB3A
Product Cod	de		CC052047000	CC052046900
_	Rated Voltage	V~	220-240	220-240
Power	Rated Frequency	Hz	50	50
Supply	Phases		1	1
Cooling Car	pacity	W	2700	3900
Heating Car		W	2450	3600
Cooling Pov	-	W	810	1180
Heating Pov	· · · · · · · · · · · · · · · · · · ·	W	740	1090
Cooling Cur	1	Α	3.52	5.13
Heating Cur		Α	3.22	4.74
Rated Input		W	1100	1600
Rated Curre		Α	5.0	7.5
Air Flow Vol		m³/h	480/430/380	670/620/570
Dehumidifyi	` '	L/h	1.0	1.5
EER		W/W	3.33	3.31
COP		W/W	3.31	3.30
Application	Area	m ²	12-18	16-24
Climate Typ		111	T1	T0-24 T1
Isolation	6		1	1
Moisture Pro	otection		IP24	IP24
	Excessive Operating Pressure for the		11 27	11 27
1	Discharge Side		4.3	4.3
	Excessive Operating Pressure for the			
Suction Side		MPa	2.5	2.5
Dimension (mm	560X375X668	660X428X700
	of Carton Box (LXWXH)	mm	763X620X410	790X736X490
Dimension of Carton Box (EXWXH) Dimension of Package (LXWXH)		mm	766X623X425	793X739X505
Net Weight	or r dorago (Extrostr)	kg	43	56
Gross Weig	ht	kg	47	61
Refrigerant		ı.g	R32	R32
Refrigerant	Charge	kg	0.53	0.87
rtomgorant	Fan Type	ı.g	Centrifugal	Centrifugal
	Fan Diameter Length(DXL)	mm	Ф205.5Х111	Ф201.5X109.5
	Cooling Speed	r/min	930/870/810	850/750/650
	Heating Speed	r/min	/	/
	Fan Motor Power Output	W	60	88
	Fan Motor RLA	A	0.50	0.58
	Fan Motor Capacitor	μF	3.5	6.0
	Electric Heating Power Input	W	1	
Indoor	Evaporator Form	V V	, Alumium Tube	 Alumium Tube
Side	Evaporator Pipe Diameter	mm	Φ7	Φ7
	Evaporator Row-fin Gap	mm	3-1.3	<u>Ψ</u> γ 3-1.6
	Evaporator Coil Length (LXDXW)		330X38.1X324	392X38.1X381
		mm		
	Swing Motor Model	107	MP24VA	MP28ED
	Swing Motor Power Output	W	1.5	2.0
	Fuse Current	AD (A)	3.15	3.15
	Sound Pressure Level (H/M/L)	dB (A)	49/47/45	53/51/49
	Sound Power Level (H/M/L)	dB (A)	59/57/55	63/61/59

	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR	ZHUHAI LANDA COMPRESSOR
	Compressor Manufacturer		CO.,LTD	CO.,LTD
	Compressor Model		QXF-B092C190	QXF-C133B030
	Compressor Oil		FW68DA	FW68DA
	Compressor Type		Rotary	Rotary
	Compressor LRA.	А	21.3	25.0
	Compressor RLA	А	3.1	4.47
	Compressor Power Input	W	675	960
	Compressor Overload Protector		UP3-00	UP3-A2
	Throttling Method		Capillary	Capillary
	Set Temperature Range	°C	16~30	16~30
	Cooling Operation Ambient	°C	40, 42	18~43
	Temperature Range		18~43	18~43
Outdoor	Heating Operation Ambient	°C	-7~30	-7~30
	Temperature Range			
Side	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Ф7	Ф7
	Condenser Rows-fin Gap	mm	2-1.3	2-1.3
	Condenser Coil Length (LXDXW)	mm	597X25.4X342.9	665X25.4X400
	Fan Motor Speed	rpm	930/870/810	850/750/650
	Fan Motor Power Output	W	60	88
	Fan Motor RLA	А	0.5	0.58
	Fan Motor Capacitor	μF	3.5	6
	Outdoor Unit Air Flow Volume	m³/h	850	1200
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	mm	Ф353	Ф396
	Sound Pressure Level (H/M/L)	dB (A)	57/55/53	58/56/54
	Sound Power Level (H/M/L)	dB (A)	67/65/63	68/66/64
	Defrosting Method		/	1

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

Model			GJC12AD-K6RNC2A GJC12AD-K6RNB3A	GJH12AD-K6RNC2A
Product Cod	de		CC052031400 CC052047100	CC052031500
	Rated Voltage	V~	220-240	220-240
Power	Rated Frequency	Hz	50	50
Supply	Phases		1	1
Cooling Car		W	3900	3900
Heating Car	-	w	/	3600
Cooling Pov	-	W	1180	1180
Heating Pov		W	/	1090
Cooling Cur		A	5.13	5.13
Heating Cur	-	A	/	4.74
Rated Input	-	W	1600	1600
Rated Curre		A	7.5	7.5
Air Flow Vol		m³/h	670/620/570	670/620/570
Dehumidifyi		L/h	1.5	1.5
EER	ng volume	W/W	3.31	3.31
COP		W/W	7	3.30
	Aroo	m ²	16-24	16-24
Application		m	T1	T1
Climate Typ	e		11	11
Isolation	ata ati a a	-	I IDO4	I ID24
Moisture Pro			IP24	IP24
Discharge S		MPa	4.3	4.3
Permissible Suction Side	Excessive Operating Pressure for the	MPa	2.5	2.5
Dimension ((WXHXD)	mm	660X428X700	660X428X700
Dimension of	of Carton Box (LXWXH)	mm	790X736X490	790X736X490
Dimension of	of Package (LXWXH)	mm	793X739X505	793X739X505
Net Weight	, ,	kg	54	57
Gross Weig	ht	kg	59	62
Refrigerant			R32	R32
Refrigerant	Charge	kg	0.55	0.835
J	Fan Type		Centrifugal	Centrifugal
	Fan Diameter Length(DXL)	mm	Ф201.5Х109.5	Ф201.5X109.5
	Cooling Speed	r/min	850/750/650	850/750/650
	Heating Speed	r/min	/	/
	Fan Motor Power Output	W	88	88
	Fan Motor RLA	A	0.58	0.58
	Fan Motor Capacitor	μF	6	6
	Electric Heating Power Input	W	1	1
Indoor Side	Evaporator Form		Alumium Tube	Alumium Tube
	Evaporator Pipe Diameter	mm	Ф7	Ф7
	Evaporator Row-fin Gap	mm	3-1.6	3-1.6
	Evaporator Coil Length (LXDXW)		392X38.1X381	392X38.1X381
		mm	MP28ED	MP28ED
	Swing Motor Model	14/		
	Swing Motor Power Output	W	2	2
	Fuse Current	Α	3.15	3.15
	Sound Pressure Level (H/M/L)	dB (A)	50/48/46	50/48/46
	Sound Power Level (H/M/L)	dB (A)	60/58/56	60/58/56

	O Manufacturus		ZHUHAI LANDA COMPRESSOR	ZHUHAI LANDA COMPRESSOR
	Compressor Manufacturer		CO.,LTD	CO.,LTD
	Compressor Model		QXF-C133B030	QXF-C133B030
	Compressor Oil		FW68DA	FW68DA
	Compressor Type		Rotary	Rotary
	Compressor LRA.	А	25	25
	Compressor RLA	А	4.47	4.47
	Compressor Power Input	W	960	960
	Compressor Overload Protector		UP3-A2	UP3-A2
	Throttling Method		Capillary	Capillary
	Set Temperature Range	°C	16~30	16~30
	Cooling Operation Ambient	°C	18~43	18~43
	Temperature Range		16~43	10~43
Outdoor	Heating Operation Ambient	°C	,	-7~30
	Temperature Range		,	
Side	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Ф5	Ф7
	Condenser Rows-fin Gap	mm	2-1.3	2-1.3
	Condenser Coil Length (LXDXW)	mm	665X22.8X400	665X25.4X400
	Fan Motor Speed	rpm	850/750/650	850/750/650
	Fan Motor Power Output	W	88	88
	Fan Motor RLA	А	0.58	0.58
	Fan Motor Capacitor	μF	6	6
	Outdoor Unit Air Flow Volume	m³/h	1200	1200
	Fan Type		Axial-flow	Axial-flow
	Fan Diameter	mm	Ф396	Ф396
	Sound Pressure Level (H/M/L)	dB (A)	58/56/54	58/56/54
	Sound Power Level (H/M/L)	dB (A)	68/66/64	68/66/64
	Defrosting Method		/	/

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

Model			GJC18AC-K6RNC2A	GJH18AC-K6RNC2A
			GJC18AC-K6RNB3A	GJH18AC-K6RNB3A
Product Cod	de		CC052031600 CC052047600	CC052031700 CC052046800
	Rated Voltage	V~	220-240	220-240
Power		•		
Supply	Rated Frequency	Hz	50	50
0 1' 0	Phases	10/	1 5000	1 5000
Cooling Cap	-	W	5300	5300
Heating Cap	<u>-</u>	W	/	4800
Cooling Pov		W	1600	1600
Heating Pov		W		1450
Cooling Cur	•	Α	6.96	6.96
Heating Cur	-	Α	/	6.3
Rated Input		W	2100	2000
Rated Curre		Α	10	10
Air Flow Vol	ume(H/M/L)	m³/h	950/900/850	950/900/850
Dehumidifyi	ng Volume	L/h	2.2	2.2
EER		W/W	3.31	3.31
COP		W/W	/	3.31
Application /	Area	m ²	23-34	23-34
Climate Typ	е		T1	T1
Isolation			I	I
Moisture Pro	otection		IP24	IP24
Permissible	Excessive Operating Pressure for the			
Discharge S	-	MPa	4.3	4.3
Permissible Suction Side	Excessive Operating Pressure for the	MPa	2.5	2.5
Dimension (mm	660X428X770	660X428X770
	of Carton Box (LXWXH)		860X736X500	860X736X500
	` ′	mm	863X739X515	863X739X515
	of Package (LXWXH)	mm	64	
Net Weight	L.A	kg		68 73
Gross Weigl	nt	kg	69	
Refrigerant			R32	R32
Refrigerant	Charge	kg	0.75	1.05
	Fan Type		Centrifugal	Centrifugal
	Fan Diameter Length(DXL)	mm	Ф201.5Х109.5	Ф201.5Х109.5
	Cooling Speed	r/min	1140/1040/940	1140/1040/940
	Heating Speed	r/min	1	1
	Fan Motor Power Output	W	200	200
	Fan Motor RLA	Α	0.8	0.8
	Fan Motor Capacitor	μF	7	7
Indoor Side	Electric Heating Power Input	W	1	1
	Evaporator Form		Alumium Tube	Alumium Tube
	Evaporator Pipe Diameter	mm	Ф7	Ф7
	Evaporator Row-fin Gap	mm	3-1.6	4-1.6
	Evaporator Coil Length (LXDXW)	mm	392X38.1X381	392X50.8X381
	Swing Motor Model		MP28ED	MP28ED
	Swing Motor Power Output	w	2	2
	Fuse Current	A	3.15	3.15
	Sound Pressure Level (H/M/L)	dB (A)	55/53/51	55/53/51
	Sound Power Level (H/M/L)	dB (A)	65/63/61	65/63/61

			ZHUHAI LANDA COMPRESSOR	ZHUHAI LANDA COMPRESSOR	
	Compressor Manufacturer		CO.,LTD	CO.,LTD	
	Compressor Model		QXF-F18F090	QXF-F18F090	
	Compressor Oil		FW68DA	FW68DA	
	Compressor Type		Rotary	Rotary	
	Compressor LRA.	Α	40	40	
	Compressor RLA	Α	5.7	5.7	
	Compressor Power Input	W	1300	1300	
	Compressor Overload Protector		UP3-A6	UP3-A6	
	Throttling Method		Capillary	Capillary	
	Set Temperature Range	°C	16~30	16~30	
	Cooling Operation Ambient	°C	18~43	18~43	
	Temperature Range	C	16~43	10 -43	
Outdoor	Heating Operation Ambient	°C	,	-7~30	
Side	Temperature Range		,		
Side	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	
	Condenser Pipe Diameter	mm	Ф5	Ф7	
	Condenser Rows-fin Gap	mm	3-1.3	3-1.3	
	Condenser Coil Length (LXDXW)	mm	885X34.2X400	885X38.1X400	
	Fan Motor Speed	rpm	1140/1040/940	1140/1040/940	
	Fan Motor Power Output	W	200	200	
	Fan Motor RLA	Α	0.8	0.8	
	Fan Motor Capacitor	μF	7	7	
	Outdoor Unit Air Flow Volume	m³/h	1800	1800	
	Fan Type		Axial-flow	Axial-flow	
	Fan Diameter	mm	Ф396	Ф396	
	Sound Pressure Level (H/M/L)	dB (A)	63/61/59	63/61/59	
	Sound Power Level (H/M/L)	dB (A)	73/71/69	73/71/69	
	Defrosting Method		1	1	

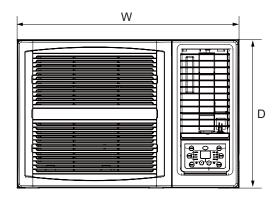
The above data is subject to change without notice; please refer to the nameplate of the unit.

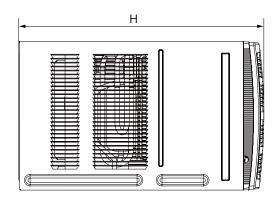
Model			GJC21AC-K6RNC2A GJC21AC-K6RNB3A	GJH21AC-K6RNC2A GJH21AC-K6RNB3A
			CC052031800	CC052031900
Product Cod	de		CC052047700	CC052046700
	Rated Voltage	V~	220-240	220-240
Power	Rated Frequency	Hz	50	50
Supply	Phases		1	1
Cooling Cap		W	6000	6000
Heating Car		W	/	5500
Cooling Pov		W	1810	1810
Heating Pov	•	W	/	1690
Cooling Cur	·	A	7.87	7.87
Heating Cur		A	/	7.35
Rated Input		W	2400	2500
Rated Curre		A	11.5	13.0
	lume(H/M/L)	m³/h	900/850/800	900/850/800
Dehumidifyi	,	L/h	2.2	2.2
EER	ng volume	W/W	3.31	3.31
COP		W/W		3.25
Application A	Area	m ²	27-42	27-42
Climate Typ		1111	T1	T1
solation	е		1	1 1
Moisture Protection			IP24	IP24
			IP24	IP24
Permissible Excessive Operating Pressure for the Discharge Side		MPa	4.3	4.3
Permissible Excessive Operating Pressure for the		MPa	2.5	2.5
Suction Side Dimension (WXHXD)			CC0V400V770	CC0V420V770
		mm	660X428X770	660X428X770
	of Carton Box (LXWXH)	mm	860X736X500 863X739X515	860X736X500
	of Package (LXWXH)	mm		863X739X515
Net Weight		kg	65	68
Gross Weig	nt	kg	70	73
Refrigerant			R32	R32
Refrigerant		kg	0.8	1.05
	Fan Type		Centrifugal	Centrifugal
	Fan Diameter Length(DXL)	mm	Φ201.5X109.5	Ф201.5Х109.5
	Cooling Speed	r/min	1140/1040/940	1140/1040/940
	Heating Speed	r/min		/
	Fan Motor Power Output	W	200	200
	Fan Motor RLA	Α	0.8	0.8
	Fan Motor Capacitor	μF	7	7
Indoor	Electric Heating Power Input	W	/	1
Side	Evaporator Form		Alumium Tube	Alumium Tube
2.40	Evaporator Pipe Diameter	mm	Ф7	Ф7
	Evaporator Row-fin Gap	mm	3-1.6	4-1.6
	Evaporator Coil Length (LXDXW)	mm	392X38.1X381	392X38.1X381
	Swing Motor Model		MP28ED	MP28ED
	Swing Motor Power Output	W	2	2
	Fuse Current	А	3.15	3.15
	Sound Pressure Level (H/M/L)	dB (A)	56/54/52	56/54/52
	Sound Power Level (H/M/L)	dB (A)	66/64/62	66/64/62

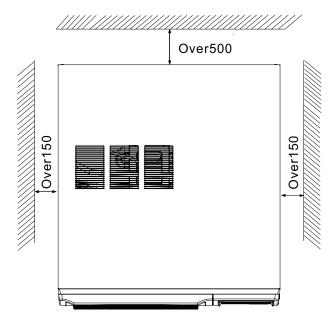
	O		ZHUHAI LANDA COMPRESSOR	ZHUHAI LANDA COMPRESSOR	
	Compressor Manufacturer		CO.,LTD	CO.,LTD	
	Compressor Model		QXF-F21F090	QXF-F21F090	
	Compressor Oil		FW68DA	FW68DA	
	Compressor Type		Rotary	Rotary	
	Compressor LRA.	Α	42	42	
	Compressor RLA	Α	6.65	6.65	
	Compressor Power Input	W	1500	1500	
	Compressor Overload Protector		UP3-07	UP3-07	
	Throttling Method		Capillary	Capillary	
	Set Temperature Range	°C	16~30	16~30	
	Cooling Operation Ambient	°C	18~43	18~43	
	Temperature Range		10~43	10:45	
Outdoor	Heating Operation Ambient	°c	1	-7~30	
Side	Temperature Range		,		
Side	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	
	Condenser Pipe Diameter	mm	Ф5	Ф7	
	Condenser Rows-fin Gap	mm	3-1.3	3-1.3	
	Condenser Coil Length (LXDXW)	mm	885X34.2X400	935X38.1X400	
	Fan Motor Speed	rpm	1140/1040/940	1140/1040/940	
	Fan Motor Power Output	W	200	200	
	Fan Motor RLA	Α	0.8	0.8	
	Fan Motor Capacitor	μF	7	7	
	Outdoor Unit Air Flow Volume	m³/h	1800	1800	
	Fan Type		Axial-flow	Axial-flow	
	Fan Diameter	mm	Ф396	Ф396	
	Sound Pressure Level (H/M/L)	dB (A)	64/62/60	64/62/60	
	Sound Power Level (H/M/L)	dB (A)	74/72/70	74/72/70	
	Defrosting Method				

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

3. Outline Dimension Diagram





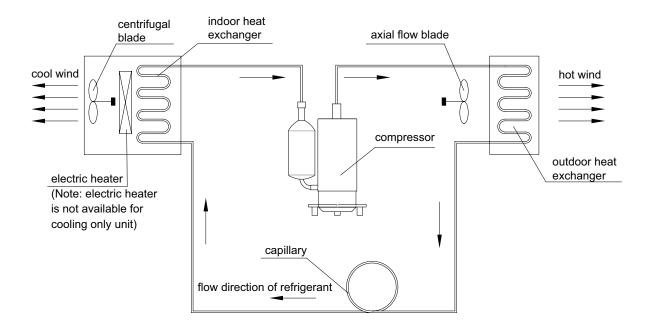


No obstacles within 1m at least in front of air outlet.

Model	W	Н	D
07K/09K	560	375	668
12K	660	428	700
18K/21K	660	428	770

Unit:mm

4.Refrigerant System Diagram



5.Electrical Part

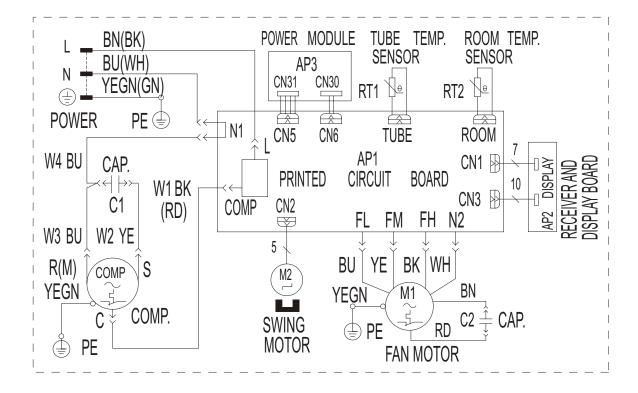
5.1 Wiring Diagram

Instruction

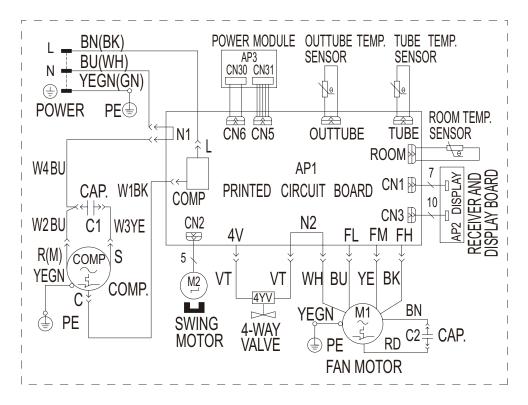
Symbol	Symbol Color	Symbol	Symbol Color	Symbol	Name
YE	Yellow	BN	BN Brown		Compressor
RD	Red	BU	Blue	(Grounding wire
YEGN	Yellow-Green	BK	Black	/	1

•Electric Diagram

Cooling model 07/09/12/18/21K



Cooling & Heating model 07/09/12/18/21K

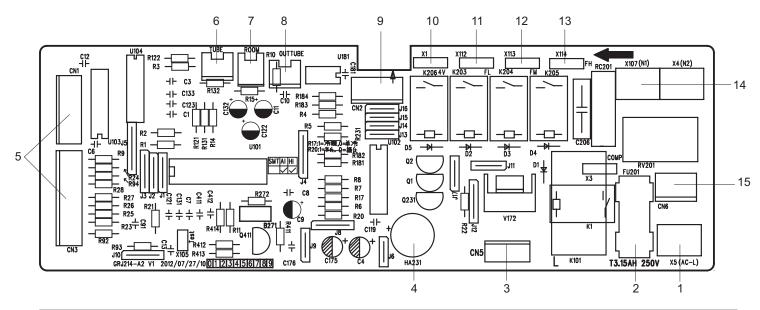


These wiring diagrams are subject to change without notice; please refer to the one supplied with the unit.

5.2 PCB Printed Diagram

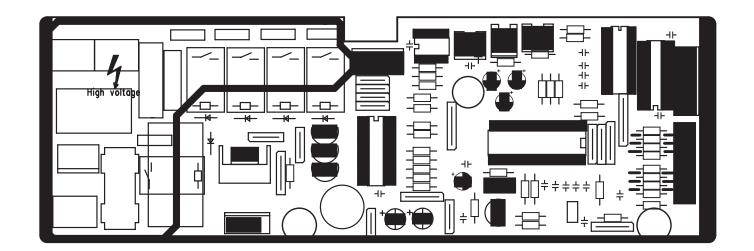
5.2.1 Silk screen on main board

Top view



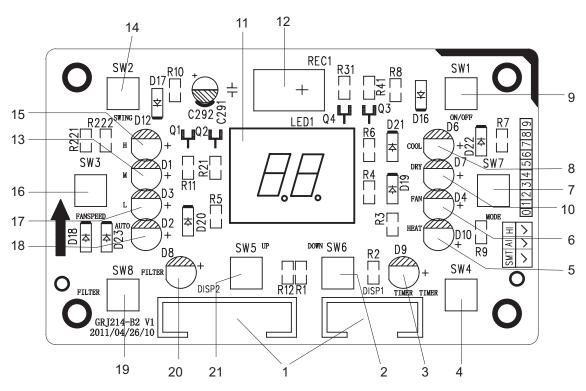
NO.	Name	NO.	Name	NO.	Name	NO.	Name	NO.	Name
1	Input of live wire	2	Fuse	3	12V power input	4	Buzzer	5	Interface of display board
6	Tube temperature sensor	7	Ambient temperature sensor	8	Outdoor tube temperature sensor	9	Swing	10	4-way valve
11	Fan (high speed)	12	Fan (medium speed)	13	Fan (low speed)	14	Neutral wire	15	Power interface for power board

Bottom view



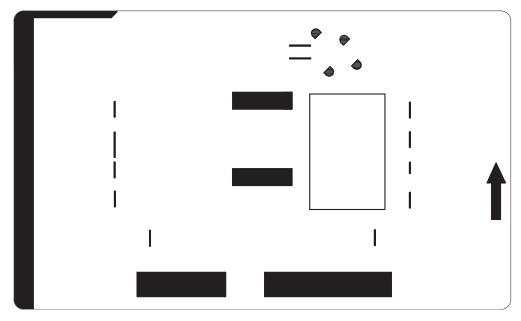
5.2.2 Silk screen on display board

Top view



NO.	Name	NO.	Name	NO.	Name	NO.	Name
1	Board connection wire, connect mainboard	7	Mode selection button	13	Medium fan speed indicator	19	Filter cleaning button
2	"-" decreasing button	8	Cooling indicator	14	Swing button	20	Filter cleaning indicator
3	Timer indicator	9	ON/OFF button	15	High fan speed indicator	21	"+" increasing button
4	Timer button	10	Dry indicator	16	Fan speed button	22	/
5	Heating indicator	11	Dual-8 nixie tube	17	Low fan speed indicator	23	/
6	Blow indicator	12	Infrared receiver	18	Auto mode	24	/

Bottom view



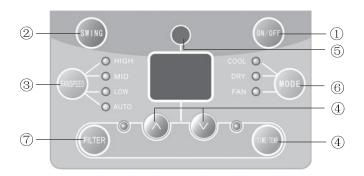
Technical Information

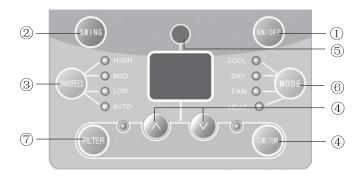
6. Function and Control

After putting through the power, air conditioner will give out a sound and indicators on control panel will be on. After that, you operate the air conditioner through remote controller or control panel.

6.1 Introduction of Control Panel

Note: If wireless remote controller is lost, open the surface panel and operate manually.





- 1 POWER BUTTON
 Operation starts when pressing this button, and stops when pressing this button again.
- 2 SWING BUTTON Activate the automatic air swing function.
- 3 FAN SPEED BUTTON Select the fan speed HIGH, MID, LOW and AUTO in sequence.
- 4 TEMP/TIMER BUTTON

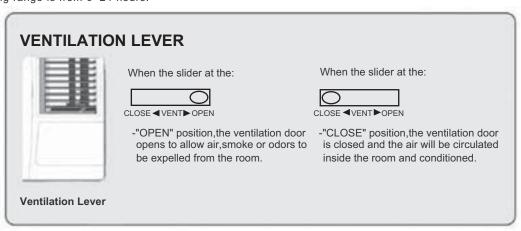
Press the \blacktriangle keypad to increase the set (operating) temperature of the unit.and Press the \blacktriangledown keypad to decrease the set (operating) temperature of the unit. The temperature seting range is from 16~30°C

Press the \blacktriangle keypad also to increase the selected time in 1 hour increments,and Press the \blacktriangledown keypad to decrease the selected time in 1 hour decrements,The time seting range is from 0~24 hours.

- 5 SIGNAL RECEIVER
- 6 MODE BUTTON
 Select the operation mode

Select the operation mode, AUTO, HEAT, COOL, FAN, DRY (for reverse cycle model) or AUTO, COOL, FAN, DRY (for cooling only model).

7 FILTER BUTTON
This feature is a reminder to clean the Air Filter (See
Care and Cleaning) for more efficient operation and
cooling. The LED (light) will illuminate after 250 hours
of operation. To reset after cleaning the filter, press the
"Check Filter" button and the light will go off.



6.2 Introduction of Remote Controller

Note:

Besure that there are no obstructions between receiver and remote controller; Don'tdrop or throw the remote control; Don't let any liquid in the remote control andput the remote control directly under the sunlight or any place where is very hot.

Signal transmitter Remote control ON/OFF button Press this button, the unit will be turned

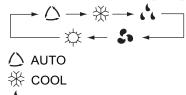
on, press it once more, the unit will be turned off. Sleep function will be canceled, while unit off.

MODE

ON/OFF

MODE button

Press this button, Auto, Cool, Dry, Fan, Heat mode can be selected circularly. Auto mode is default while power on. Under Auto mode, the temperature will not be displayed; Under Heat mode, the initial value is 28 °C (82°F);Under other modes, the initial value is 25 °C (77 °F).



L DRY ર્ક્ક FAN

(only for cooling and heating unit)

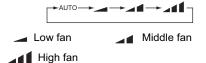
SLEEP

SLEEP button

Press this button, Sleep On and Sleep Off can be selected. After powered on, Sleep Off is defaulted. After the unit is turned off, the Sleep function is canceled. After Sleep function set up, the signal of Sleep will display. In this mode, the time of timer can be adjusted. Under Fan and Auto modes, this function is not available.

FAN FAN button

· Press this button, Auto, Low, Middle, High speed can be circularly selected. After powered on, Auto fan speed is default. Under Blow mode, Low fan speed only can be set up.



CLOCK

CLOCK button

· Press this button, the clock can be set up, signal blink and display. Within 5 seconds, the value can be adjusted by pressing + or - button, if continuously press this button for 2 seconds above, in every 0.5 seconds, the value on ten place of Minute will be increased 1. During blinking, repress the Clock button or Confirm button, signal @ will be constantly displayed and it denotes the setting succeeded. After powered on, 12:00 is defaulted to display and signal @ will be displayed. If there is signal ② be displayed that denotes the current time value is Clock value, otherwise is Timer value.

ENERGY SAVER

ENERGY SAVER button

 Under the Cool and Dry mode, press this button once, the unit will enter "energy saver" mode. Repress this button ,the unit will exit "energy saver" mode.



Remote control

+ button

• Presetting temperature can be increased. Press this button, the temperature can be set up, continuously press this button and hold for two seconds, the relative contents can quickly change, until unhold this button and send the order that the °C (°F) signal will be displayed all the time. The temperature adjustment is unavailable under the Auto mode, but the order can be sent if pressing this button. Temperature of Celsius degree setting: 16-30; for Fahrenheit degree setting: 61-86.

- button

Presetting temperature can be decreased. Press this button, the temperature can be set up, continuously press this button and hold for two seconds, the relative contents can quickly change, until unhold this button and send the order that the °C (°F) signal will be displayed all the time. The temperature adjustment is unavailable under the Auto mode, but the order can be sent by if pressing this button.

LIGHT

LIGHT button

 Press this button at unit On or Off status, Light On and Light Off can be set up.
 After powered on, Light On is defaulted.

TIMER ON

TIMER ON BUTTON

 At unit off, press Timer On button, "HOUR ON" will blink and display, signal will be concealed, in the timer on setting. During 5 seconds blinking, the value can be adjusted by pressing + or - button, every press of this button, 0.5hour will be increased or decreased, but continuously press the + or - button, 2 seconds later, the value will be changed quickly, 0.5hour will be increased in every 0.25 second automatically by the remote controller. During blinking, press the Timer On button to confirm the time. After Timer On set up, when repressing the Timer On button, the Timer On setting will be canceled. After powered on, no Timer is defaulted, signal "HOUR ON (OFF)" will not display, and only the clock is displayed. After the timer reached, the relative contents with Timer will conceal. Before setting the Tmer, please adsult the clock to the current actual time.

}[

SWING BUTTON

 When it is pressed, the louvers start to rotate automatically and stop when repressed.

TIMER OFF

TIMER OFF BUTTON

 At unit on, press Timer Off button to enter into Timer Off setting. The method of setting is the same as for TIMER ON.

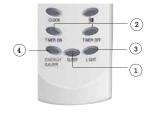
■ Guide for operation- general operationor

- 1. After powered on,press ON/OFF button,the unit will start to run.(Note:When it is powered off the guide louver of main unit will close auto matically.)
- 2. Press MODE button, select desired running mode.
- 3. Pressing + or button, to set the desired temperature (It is unnecessary tosetthetemp.at AUTO mode.)
- 4. Pressing FAN button, set fan speed, can select AUTO FAN, LOW, MID and HIGH.
- 5. Pressing ≥ button, to select the swing.

4 2 2 1 3 3 5 5

■ Guide for operation- Optional operation

- 1. Press SLEEP button, to set sleep.
- 2. Press TIMER ON and TIMER OFF button, can set the scheduled timer on operationor timer off.
- 3. Press LIGHT button, to control the on and off of the displaying part of the unit(This function may be not available for some units).
- 4. Press ENERGY SAVER button, can realize the ON and OFFofENERGY SAVER function.



■ Introduction for special function

★ About AUTO RUN

When AUTO RUN mode is selected, the setting temperature will not be displayed on the LCD, the unit will be in accordance with the room temp. automatically to select the suitable running method and to make ambient comfortable.

★ About lock

Press +and - buttons simultaneously to lock or unlock the keyboard. If the remote controller is locked, the icon in will be displayed on it, in which case, press any button, the mark will flicker for three times. If the keyboard is unlocked, the mark will disappear.

★ About swing up and down

- 1. Press swing up and down button continuously more than 2s,the main unit will swing back and forth from up to down, and then loosen the button, the unit will stop swinging and present position of guide louver will be kept immediately.
- 2. Under swing up and down mode, when the status is switched from off to \mathbb{R} , if press thisbutton again 2s later, status will switch to off status directly; if press this button again within 2s,the change of swingstatus will also depend on the circulation sequence stated above.

★ About switch between Fahrenheit and Centigrade Under status of unit off, press MODE and buttons simultaneously to switch °C and °F.

★ About new function of defrosting

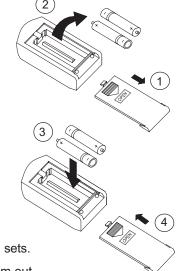
- 1. It indicates: after starting this function by remote controller and the unit has been under defrost status, If turn off the unit by remote controller, the unit will not stop defrosting until it is finished; if change setting mode by remote controller, the function ,which is set last time, won't be carried out until defrosting finished.
- 2. Operation of this function on or off: If remote controller is under off status, press mode button and blow b u tton simultaneously in order to enter or cancel this new function. If the unit is under defrost mode, dual eight position on remote controller will display H1.If switch to heat mode, the position will display H1, which flickers for 5s, in which case, press MODE/button, H1 will disappear and setting temp. be displayed.
- 3. After remote controller is powered on, the new defrost function will be defaulted to be closed.

■ Changing batteries and notices

- 1. Slightly to press the place with , along the arrowhead direction to push the back cover of wireless remote control. (As show in figure)
- 2. Take out the old batteries. (As show in figure)
- 3. Insert two new AAA1.5V dry batteries, and pay attention to the polarity. (As show in figure)
- 4. Attach the back cover of wireless remote control. (As show in figure)

★ NOTE:

- When changing the batteries, do not use the old or different batteries, otherwise, it can cause the malfunction of the wireless remote control.
- If the wireless remote control will not be used for a long time, please take them out, and don't let the leakage liquid damage the wireless remote control.
- The operation should be in its receiving range.
- It should be placed at where is 1m away from the TV set or stereo sound sets.
- If the wireless remote control can not operate normally, please take them out, after 30s later and reinsert, if they cannot normally run, please change them.



Sketch map for changing batteries

6.3 Function Introduction

1 Basic Function

- 1.1 Cooling mode
- 1.1.1 Cooling condition and process
- a. When Tindoor amb.≥Tpreset+1°C 2(°F), the unit operates in cooling mode. Meanwhile, compressor and outdoor fan operate and indoor fan operates at set fan speed.
- b. When Tindoor amb.≤Tpreset-1°C 2(°F), compressor and outdoor fan stop operation, while indoor fan operates at set fan speed.
- c. When Tpreset-1°C 2(°F) <Tindoor amb.<Tpreset+1°C 2(°F), the unit keeps original operation status.
- 1.1.2 In this mode, the set temperature range is 16°C~30°C(61°F ~86°F)
- 1.2 Dry Mode

Dry Conditions and Process

- a. When Tamb.> Tpreset+2°C (4°F), the unit will operate in Cool mode, and the fan will run at low speed.
- b. When Tpreset-2°C (4°F)≤Tamb.≤Tpreset+2°C(4°F), the unit will operate in Dry mode. In that case, the indoor fan will operate at low speed. The compressor and the outdoor fan will stop for 6 min and operate for 4min circularly.
- c. When Tamb.<Tpreset-4°F(2°C), the compressor will stop working and the fan will operate at low speed.

Under this mode, the setting temperature range is 16~30°C(61~86°F).

- 1.3 Energy saving mode
- 1.3.1 Drying condition and process
- a. When Tindoor amb.≥Tpreset +1°C 2(°F) the compressor will be turned on and the fan will run at set fan speed.
- b. When Tindoor amb.≤Tpreset −1°C 2(°F), the compressor will stop operation and the indoor fan will also stop operation after operating at set fan speed for 60s.
- c.When Tpreset –1°C 2(°F) <Tindoor amb. <Tpreset +1°C 2(°F), the unit will keep previous operation status.
- 1.3.2 In this mode, the set temperature range is 16~30°C(61~86°F).
- 1.4 Heating mode
- 1.4.1 When Tindoor amb.≤Tpreset+1°C 2(°F), the unit will operate at heating mode. Meanwhile, 4-way valve and compressor will operate. Fan will operate at cold air prevention condition;
- 1.4.2 When Tindoor amb.≥Tpreset +3°C(6°F), compressor will stop operation while 4-way valve will be energized. Fan will operate at blowing residual heat mode.
- 1.4.3 When Tpreset + 1°C <Tindoor amb <Tpreset + 3°C(6°C) the unit will keep its previous operation status;
- 1.4.4 Under this mode, the temperature setting range is 16-30°C (61-86°F).
- 1.5 Fan mode
- a. In this mode, compressor and electric heating pipe will stop operation and fan will operate at set speed.
- b. In this mode, the set temperature range is 16~30°C (61~86 °F).
- 1.6. Auto Mode

Working conditions and process

- a. When Tamb. ≥26°C (79°F), the unit will operate in Cool mode. Tpreset=25°C 77°F
- b. When Tamb.≤22°C (72°F), the heat pump unit will operate at heating mode and the cooling only unit will operate at fan mode; Tpreset=20°C (68°F);
- c. When 22°C (72°F)<Tamb.<26°C (79°F), the unit will maintain its previous running state. But if the unit is energized for the first time, it will operate at fan mode.

2. Other function

2.1 Swing

When the fan operates, if swing is set, the swing motor will operate; When swing stops, the louver will stop in the position at that time. 2.2 Buzzer

Upon energization or operation, the buzzer will give out sound.

- 2.3 Sleep function
- a. In Cool, Energy-saving or Dry mode, 1 hour after setting Sleep function, Tpreset will increase 1°C (2°F); 2hours later, Tpreset will not increase 2°C (4°F) totally. Then, the setting temperature will not change, but the upper limit of setting temperature is 30°C (86°F).
- b. In heat mode, 1 hour after setting Sleep function, Tpreset will decrease 1°C (2°F); 2hours later, Tpreset will not decrease 2°C (4°F) totally. Then the setting temperature will not change, but the lower limit of setting temperature is 16°C (61°F).
- c. In Auto and Fan mode, there is no Sleep function.
- d. If Sleep function has been set, the mode change will cancel the Sleep function.

- 2.4 Auto fan speed
- a. Auto fan speed under heating mode or auto fan mode: Tamb ≤Tpreset -2°C (4°F) High speed; Tpreset-2°C (4°F)<Tamb.
- <Tpreset Medium speed; Tamb. ≥Tpreset Low speed;</p>
- b. Auto fan speed under cooling mode Tamb ≥Tpreset +2°C (4°F) High speed; Tpreset <Tamb. <Tpreset +2°C (4°F) Medium speed; Tamb.≤Tpreset Low speed;
- b. Auto fan speed under energy saving mode or fan mode is as that under cooling mode.
- c. If under dry mode, the auto fan speed will be always low speed. Only LED lamp for low speed is on.
- 2.5 Alarm for Cleaning Filter

After the cumulative running of fan reaches 250h, the LED lamp of cleaning filter is on to remind customer of cleaning filter.

- 2.6 Timer Function
- a. Timer on: it can be set when the unit is turned off. Set time range of timer is 0.5h~24h. The interval of each setting is 0.5h. When timer on is reached, the unit will operate at set mode.
- b. Timer off: it can be set when the unit is operating. Set time range of timer is 0.5h~24h. The interval of each setting is 0.5h. When timer off is reached, the unit will be turned off.

2.7 Memory Function

When the unit is energized again after power failure, it will resume the previous operation status. If the unit is operating when power failure occurs, the compressor will be started up in 3 min later as the unit is energized again.

- 2.8 LED lamp, "Dual 8" NixieTube
- a. When the unit is operating in cooling mode, LED lamp of cooling will be on.
- b. When the unit is operating in fan mode, LED lamp of fan mode will be on and "dual 8" nixie tube will display ambient temperature. The temperature can't be adjusted.
- c. When the unit is operating at energy-saving mode, there is no LED lamp that will be on and "dual 8"nixie tube will display ambient temperature. The temperature can be adjusted.
- d. Under fan mode, the LED lamp for fan mode will be on while under dry mode, the LED lamp for dry mode will be on.
- e. When fan speed is low, medium or high, the corresponding LED lamp (indicating low, medium or high speed) will be on. If it is auto fan speed, the LED lamp of auto fan speed will be on.
- d. When timer is set, the LED lamp of timer will be on. When the unit is under heating mode, the LED lamp for heating mode will be on
- 2.9 Set Temperature
- a. The temperature can be set by button "UP/DOWN" and the set temperature will be displayed on nixie tube. If pressing "UP/DOWN" button for long time, the set temperature will be increased rapidly.
- b. °C or °F can be switched on nixie tube by pressing buttons "UP" and "down" simultaneously for 3 seconds.
- 2.10 Button
- a. ON/OFF button is used for turning on or turning off the unit. When the unit is turned off, press this button to turn on the unit; when the unit is turned off, press this button to turn on the unit.
- b. SWING button is used for controlling swing function. If swing function is set, press this button to turn it off. If it is not set, press this button to turn it on.
- c. FANSPEED button is used for adjusting fan speed. The fan speed will be circulated according to the sequence of AUTO FAN, FANL, FANH, ATUO FAN.
- d. UP, DOWN buttons are used for increasing and decreasing temperature and timer.
- e. Mode button is used for mode switching. For heat pump unit, Mode will be circulated according to sequence of AUTO, COOL, DRY, FAN, HEAT; The HEAT mode signal will be ineffective for cooling only unit and mode will be circulated according to the sequence of AUTO, COOL, DRY, FAN.
- f. Energy-saving mode can only be set by the energy-saving button on remote controller.
- g. Sleep function can only be set by the Sleep button on remote controller.

3. Protection Function

3.1 Freeze Protection

When the unit operates at cooling mode, if freeze protection is detected, the compressor will stop operation and indoor fan will operate at set speed. When freeze protection is removed, the unit will resume previous operation after 3 minutes later.

3.2 Defrosting

When the unit starts defrosting, "H1" is displayed and LED lamp for heating will be off for 3s and blinks once.

- 3.3Detection of temperature sensor malfunction
- a) The ambient temperature sensor is open or short circuit: dual-8 displays F1, the cooling indicator lamp pauses 3s and blinks 1 time; it is on 0.5s and off 0.5s during blinking.
- b) The tube temperature sensor is open or short circuit: dual-8 displays F2, the cooling indicator lamp pauses 3s and blinks 2 times; it is on 0.5s and off 0.5s during blinking.
- c) If malfunctions happened together, the malfunction protection code will be circularly displayed by rotary method.
- d) If there is malfunction for temperature sensor, when the unit is on, the compressor or electric heating pipe will stop operation, the fan will stop when the compressor or electric pipe reaches the temperature point.

Part II: Installation and Maintenance

7. Notes for Installation and Maintenance

Safety Precautions: Important!

Please read the safety precautions carefully before installation and maintenance.

The following contents are very important for installation and maintenance.

Please follow the instructions below.

- •The installation or maintenance must accord with the instructions.
- Comply with all national electrical codes and local electrical codes.
- Pay attention to the warnings and cautions in this manual.
- •All electric work must be performed by a licensed technician according to local regulations and the instructions given in this manual.
- •Be caution during installation and maintenance. Prohibit incorrect operation to prevent electric shock, casualty and other accidents.



Warnings

Electrical Safety Precautions:

- 1. Cut off the power supply of air conditioner before checking and maintenance.
- 2. The air condition must apply specialized circuit and prohibit share the same circuit with other appliances.
- 3. The air conditioner should be installed in suitable location and ensure the power plug is touchable.
- 4. Make sure each wiring terminal is connected firmly during installation and maintenance.
- 5. Have the unit adequately grounded. The grounding wire can't be used for other purposes.
- 6. Must apply protective accessories such as cablecross loop and wire clip.
- 7. The live wire, neutral wire and grounding wire of power supply must be corresponding to the live wire, neutral wire and grounding wire of the air conditioner.
- 8. If power cord is broken, please get the specialized power cord from the manufacture or distributor.
- 9. If the power cord is not long enough, please get the specialized power cord from the manufacture or distributor. Prohibit prolong the wire by yourself.
- 10. Make sure all wires and pipes are connected properly.

- 11. Check if there is electric leakage on the unit body. If yes, please eliminate the electric leakage.
- 12. Replace the fuse with a new one of the same specification if it is burnt down; don't replace it with a cooper wire or conducting wire.
- 13. If the unit is to be installed in a humid place, the circuit breaker must be installed.

Installation Safety Precautions:

- 1. Select the installation location according to the requirement of this manual.(See the requirements in installation part)
- 2. Handle unit transportation with care; the unit should not be carried by only one person if it is more than 20kg.
- 3. When installing the unit, a suffi-cient fixing bolt must be installed; make sure the installation support is firm.
- 4. Ware safety belt if the height of working is above 2m.
- 5. Use equipped components or appointed components during installation.6. Make sure no foreign objects are left in the unit after fin-ishing installation.

Refrigerant Safety Precautions:

- 1. Avoid contact between refrigerant and fire as it generates poisonous gas; Prohibit prolong the connection pipe by welding.
- 2. Apply specified refrigerant only. Never have it mixed with any other refrigerant. Never have air remain in the refrigerant line as it may lead to rupture or other hazards.
- Make sure no refrigerant gas is leaking out when installation is completed.
- 4. If there is refrigerant leakage, please take sufficient measure to minimize the density of refrigerant.
- 5. Never touch the refrigerant piping or compressor without wearing glove to avoid scald or frostbite.

Improper installation may lead to fire hazard, explosion, electric shock or injury.

The Refrigerant

- To realize the function of the air conditioner unit, a special refrigerant circulates in the system. The used refrigerant is the fluorideR32, which is specially cleaned. The refrigerant is flammable and inodorous. Furthermore, it can leads to explosion under certain conditions. But the flammability of the refrigerant is very low. It can be ignited only by fire.
- Compared to common refrigerants, R32 is a nonpolluting refrigerant with no harm to the ozonosphere. The influence
 upon the greenhouse effect is also lower. R32 has got very good thermodynamic features which lead to a really high
 energy efficiency. The units therefore need a less filling.

WARNING:

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacture. Should repair be necessary, contact your nearest authorized Service Centre. Any repairs carried out by unqualified personnel may be dangerous. The appliance shall be stored in a room without continuously operating ignition sources. (for example: open flames, an operating gas appliance or an operating electric heater.)

Do not pierce or burn.

Appliance shall be installed, operated and stored in a room with a floor area larger than 4 m² Appliance filled with flammable gas R32. For repairs, strictly follow manufacturer's instructions only. Be aware that refrigrants not contain odour. Read specialist's manual.

	Appliance filled with flammable gas R32.
	Before use the appliance, read the owner's manual first.
i	Before install the appliance, read the installation manual first.
	Before repair the appliance, read the service manual first.

NOTE:

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

Safety Operation of Flammable Refrigerant

- Qualification requirement for installation and maintenance man
 - 1. All the work men who are engaging in the refrigeration system should bear the valid certification awarded by the authoritative organization and the qualification for dealing with the refrigeration system recognized by this industry. If it needs other technician to maintain and repair the appliance, they should be supervised by the person who bears the qualification for using the flammable refrigerant.
 - 2. It can only be repaired by the method suggested by the equipment's manufacturer.

Installation notes

- 1. The air conditioner is not allowed to use in a room that has running fire(such as fire source, working coal gas ware, operating heater).
- 2. The air conditioner must be installed in a room that is larger than the minimum room area. The minimum room area is shown on the nameplate or following table.
- 3. Leak test is a must after installation.

30 Installation and Maintenance

table- Minimum room area (m²)

	Charge amount (kg)	≤1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2	2.1	2.2	2.3	2.4	2.5
	floor location	4	14.5	16.8	19.3	22	24.8	27.8	31	34.3	37.8	41.5	45.4	49.4	53.6
Minimum room	window mounted	4	5.2	6.1	7	7.9	8.9	10	11.2	12.4	13.6	15	16.3	17.8	19.3
area (m²)	wall mounted	4	4	4	4	4	4	4	4	4	4.2	4.6	5	5.5	6
	ceiling mounted	4	4	4	4	4	4	4	4	4	4	4	4	4	4

Maintenance notes

- 1. Check whether the maintenance area or the room area meet the requirement of the nameplate. It's only allowed to be operated in the rooms that meet the requirement of the nameplate.
- 2. Check whether the maintenance area is well-ventilated.
 - The continuous ventilation status should be kept during the operation process.
- 3. Check whether there is fire source or potential fire source in the maintenance area. The naked flame is prohibited in the maintenance area; and the "no smoking" warning board should be hanged.
- 4. Check whether the appliance mark is in good condition. Replace the vague or damaged warning mark.

Welding

- 1. If you should cut or weld the refrigerant system pipes in the process of maintaining, please follow the steps as below
 - a. Shut down the unit and cut power supply
 - b. eliminate the refrigerant
 - c. vacuuming
 - d. clean it with N2 gas
 - e. cutting or welding
 - f. carry back to the service spot for welding
- 2. The refrigerant should be recycled into the specialized storage tank.
- 3. Make sure that there isn't any naked flame near the outlet of the vacuum pump and it's well-ventilated.

8.Installation

8.1 Selection of Installation Location

1.Basic requirement

Installing the unit in the following places may cause malfunction. If it is unavoidable, please consult the local dealer:

- (1) The place with strong heat sources, vapors, flammable or explosive gas, or volatile objects spread in the air.
- (2) The place with high-frequency devices (such as welding machine, medical equipment).
- (3) The place near coast area.
- (4) The place with oil or fumes in the air.
- (5) The place with sulfureted gas.
- (6) Other places with special circumstances.

2.Requirement of complete unit

- (1) There should be no obstruction near air inlet and air outlet.
- (2) Select a location where the condensation water can be dispersed easily and won't affect other people.
- (3) The location should be able to withstand the weight of indoor unit and won't increase noise and vibration.
- (4) Select a location where the noise and outflow air emitted by the outdoor unit will not affect neighborhood.
- (5) The location should be able to withstand the weight of unit.
- (6) Select a location which is out of reach for children and far away from animals or plants. If it is unavoidable, please add fence for safety purpose.
- (7)Please try your best to keep far away from fluorescent lamp.

8.2 Electric Connection Requirement

1. Safety precaution

- (1) Must follow the electric safety regulations when installing the unit.
- (2) According to the local safety regulations, use qualified power supply circuit and air switch.
- (3) Make sure the power supply matches with the requirement of air conditioner. Unstable power supply or incorrect wiring may result in electric shock, fire hazard or malfunction.
- (4) For appliances with type Y attachment, the instructions shall contain the substance of the following. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- (5) Properly connect the live wire, neutral wire and grounding wire of power socket.
- (6) Be sure to cut off the power supply before proceeding any work related to electricity and safety.
- (7) Do not put through the power before finishing installation.

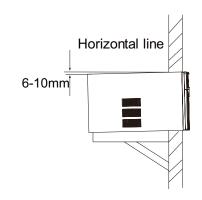
2. Grounding requirement

- (1) The air conditioner is first class electric appliance. It must be properly grounding with specialized grounding device by a professional. Please make sure it is always grounded effectively, otherwise it may cause electric shock.
- (2) The yellow-green wire or green wire in air conditioner is grounding wire, which can't be used for other purposes.
- (3) The grounding resistance should comply with national electric safety regulations.

32 Installation and Maintenance

8.3 Installation Procedure

- 1) Remove the sticker from the front panel.
- 2) Put the unit into the installation hole.
- •When installing, make sure the unit is slanted downward to the back to minimize the nosie
- and vibration of operation. (Slant by 6-10mm.) (See the right figure)
- •Make sure the installation place is strong enough to minimize the noise and vibration of operation.
- 3) Fill the gaps in the cabinet with sponge or foam.



8.4 Installation of Accessories

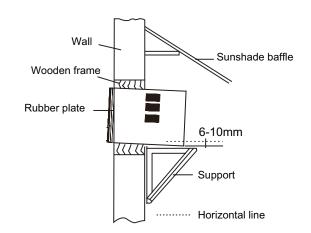
1) To install iron support

Make sure the installation hole is strong enough to support the air conditioner. If not, install an iron support to hold the unit.

The iron support should be fixed on the outside of the building(See the right figure)

2)To install sunshade baffle

To avoid dropping anything onto the unit or exposing the unit to direct sunlight, contact your seller to install a sunshade baffle for the unit. When installing, make sure the air inlet at the side grille will not be blocked.



8.5 Drain Water

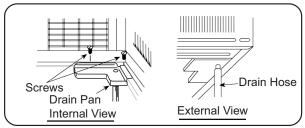
To maximize cooling efficiency, the air conditioner is designed to spray condensate onto the condenser coil.

For cooling only unit: Should the spraying sound annoy you, please adopt the method of outside drain with the following steps, which may however cause a small loss of performance.

- 1. Slide out the unit from the cabinet.
- 2. Remove the rubber plug from the body base plate.
- 3. Install the drain pan to the corner of the cabinet with 2 screws.
- 4. Connect the drain hose to the outlet on the bottom of the drain pan.
- 5. Slide the unit into its original place in the cabinet.

Note:

- •Drain pan and drain hose must be installed before operation.
- $\bullet \mbox{Drain}$ hose or tubing can be purchased locally to satisfy your particular needs.



9.Maintenance

Maintenance Method for Normal Malfunction

1. Air Conditioner Can't be Started Up

Possible Causes	Discriminating Method (Air conditioner Status)	Troubleshooting
No power supply, or poor connection for power plug	After energization, operation indicator isn't bright and the buzzer can't give out sound	Confirm whether it's due to power failure. If yes, wait for power recovery. If not, check power supply circuit and make sure the power plug is connected well.
Poor connection for wiring terminals	mperation indicator isn't bright affer energization	Check the circuit according to circuit diagram and connect wires correctly. Make sure all wiring terminals are connected firmly.
Electric leakage for air conditioner	After energization, room circuit breaker trips off at once	1.Make sure the air conditioner is grounded reliably. 2.Make sure wires of air conditioner is connected correctly. 3.Check the wiring inside air conditioner. Check whether the insulation layer of power cord is damaged; if yes, place the power cord.
Model selection for air switch is improper	After energization, air switch trips off	Select proper air switch
Malfunction of remote controller	After energization, operation indicator is bright, while no display on remote controller or buttons have no action.	Replace batteries for remote controller. Repair or replace remote controller.

2. Poor Cooling for Air Conditioner

Possible Causes	Discriminating Method (Air conditioner Status)	Troubleshooting	
Set temperature is improper	Observe the set temperature on remote controller or Membrane	Adjust the set temperature.	
Rotation speed is set too low	Small wind blow	Set the fan speed at high or medium.	
Filter is blocked	Check the filter to see it's blocked	Clean the filter.	
Installation position for unit is improper	Check whether the installation postion is proper according to installation requirement for air conditioner	Adjust the installation position.	
Refrigerant is leaking	, ,	Find out the leakage causes and deal with it. Add refrigerant.	
Malfunction of capillary	Discharged air temperature during cooling is higher than normal discharged wind temperature; Discharged air temperature during heating is lower than normal discharged wind temperature; Unit't pressure is much lower than regulated range. If refrigerant isn't leaking, part of capillary is blocked		
Malfunction of fan motor	Il ne ian motor can't operate	Refer to point 4 of maintenance method for details.	
Malfunction of compressor	Compressor can't operate	Refer to point 5 of maintenance method for details.	

3. Poor Heating for Electric Heater

Possible Causes	Discriminating Method (Air conditioner Status)	Troubleshooting	
Electric heating relay on main	Even heating condition is satisfied, electric heater can't be started up under heating mode	Deplete the main board with the same model	
board is damaged	can't be started up under heating mode	Replace the main board with the same model.	
Connection needle stand between	Even heating condition is satisfied, electric heater can't be started up under heating mode		
main board and display board is	can't be started up under heating mode	Insert the needle stand tightly.	
loose	carri be started up under heating mode		
Set temperature and ambient	Poor heating effect	Increase the set temperature.	
temperature are almost the same	roor healing effect	increase the set temperature.	

34 Installation and Maintenance

Tube temperature protection	temperature by indoor tube temperature sensor is high. The detected temperature by temperature	Increase the set fan speed. When indoor tube temperature decreases to a certain value, it will resume automatically.
Protection of temperature limiter	Check whether the air inlet is blocked by curtains, clothes, etc.	Clean the filter. Move curtains, clothes and other obstacles.
Malfunction of temperature limiter	When turning on the unit, the heating effect is poor. Use universal meter to measure the two contact points of temperature limiter. If the resistance value is too big, the temperature limiter is damaged	Replace the temperature limiter.
Thermal fuse is burnt out	When turning on the unit, the heating effect is poor. Use universal meter to measure the two contact points of temperature limiter. If the resistance value is too big, the temperature limiter is damaged	Replace the thermal fuse.

4.Fan Motor Can't Operate

Possible Causes	Discriminating Method (Air conditioner Status)	Troubleshooting
Wrong wire connection, or poor connection	Check the wiring status according to circuit diagram	Connect wires according to wiring diagram to make sure all wiring terminals are connected firmly.
Connection needle stand between main board and display board is loose	Check whether the needle stand is loose	Insert the needle stand tightly.
	voltage at both ends of capacitor. If the voltage at both ends of capacitor is same with the power input voltage, the fan capacitor is damaged	Replace fan capacitor.
Power voltage is a little low or high	Use universal meter to measure the power supply voltage. The voltage is a little high or low	Suggest to equip with voltage regulator .
	When unit is on, cooling/heating performance is bad and ODU compressor generates a lot of noise and heat.	Change compressor oil and refrigerant. If no better, replace the compressor with a new one.

5.Compressor Can't Operate

Possible Causes	Discriminating Method (Air conditioner Status)	Troubleshooting
Wrong wire connection, or poor connection	Check the wiring status according to circuit diagram	Connect wires according to wiring diagram to make sure all wiring terminals are connected firmly.
Compressor relay on main board is damaged or needle stand of compressor is loose	Check whether relay can operate normally under cooling status	Replace the main board with the same model.
Capacitor of compressor is damaged	voltage at both ends of capacitor. If the voltage at both ends of capacitor is same with the power input voltage, the fan capacitor is damaged	Replace the capacitor of compressor.
Power voltage is low or high	After turning on the unit, poor cooling effect or the compressor is turned on or turned off frequently. Use universal meter to measure the power voltage	The fluctuation of the rate voltage is 10%. If the voltage is low or high, please equip with voltage regulator.
Coil of compressor is burnt out	Use universal meter to measure the resistance between compressor terminals and it's 0	Repair or replace compressor.
Cylinder of compressor is blocked	Compressor can't operate	Repair or replace compressor.

6.Air Conditioner is Leaking

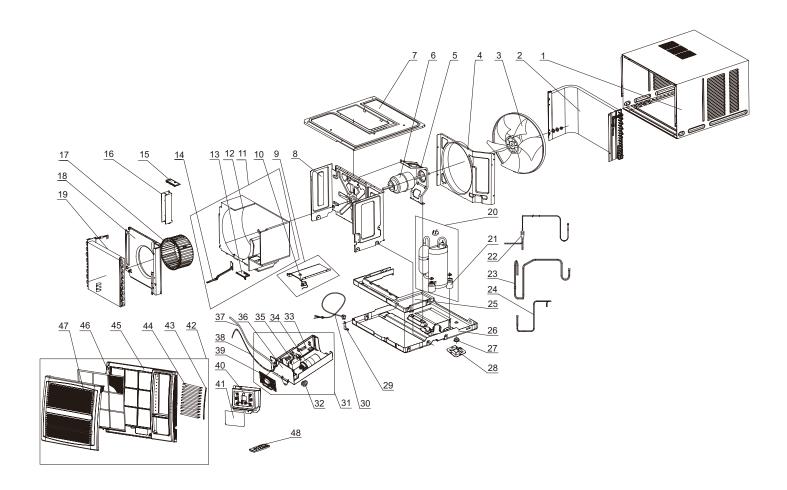
Possible Causes	Discriminating Method (Air conditioner Status)	Troubleshooting	
Drainage duct is blocked	There's water leakage at indoors	Eliminate the obstacles inside the drainage	
Drainage duct is blocked	There's water leakage at indoors	duct.	
Air conditioner isn't inclined	There's water leakage at indoors	The complete unit should incline outwards about	
outwards	There's water leakage at indoors	3°.	

7. Abnormal Sound and Vibration

Possible Causes	Discriminating Method (Air conditioner Status)	Troubleshooting	
When turn on or turn off the unit, the panel and other parts will		Normal phenomenon. Abnormal sound will	
expand and there's abnormal	There's the sound of "PAPA"	disappear after a few minutes.	
sound			
When turn on or turn off the unit,			
there's abnormal sound due	Mater running sound can be board	Normal phenomenon. Abnormal sound will	
to flow of refrigerant inside air	Water-running sound can be heard	disappear after a few minutes.	
conditioner			
Foreign objects inside the unit or		Remove foreign objects. Adjust all parts'	
there're parts touching together	There's abnormal sound fro the unit	position of unit, tighten screws and stick	
inside the unit		damping plaster between connected parts.	
Abnormal shake of compressor	Outdoor unit gives out abnormal sound	Adjust the support foot mat of compressor,	
Abriorniai shake of compressor	Outdoor unit gives out abnormal sound	tighten the bolts.	
Abnormal sound inside the		If add too much refrigerant during maintenance,	
	Abnormal sound inside the compressor	please reduce refrigerant properly. Replace	
compressor		compressor for other circumstances.	

10.Exploded View and Parts List

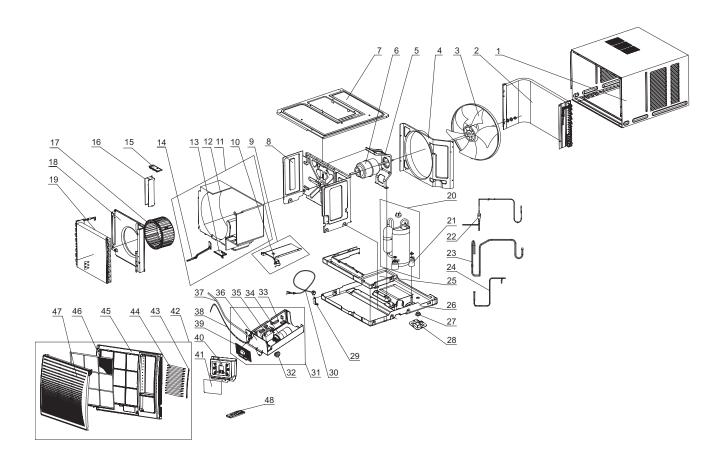
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Installation and Maintenance

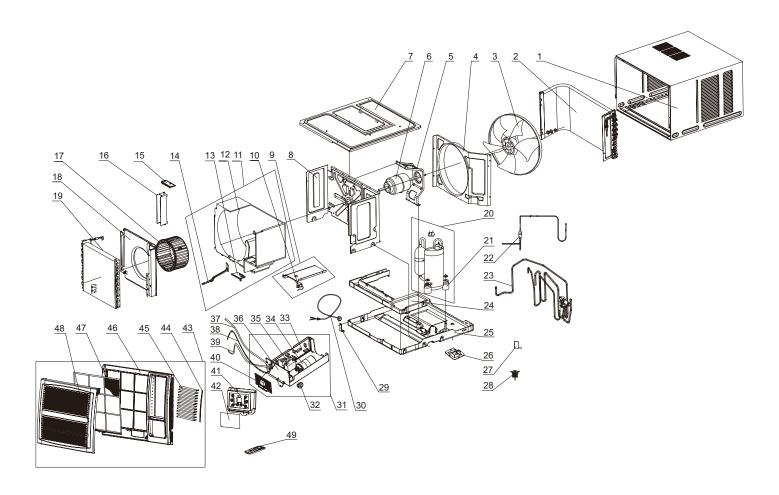
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NO.	Description	GJC07AF-K6RNC2A	Qty
	Product code	CC052031000	
1	Cabinet Assy	0143111601	1
2	Condenser Assy	01101359	1
3	Axial Flow Fan	10331365	1
4	Rear Clapboard	01231111	1
5	Motor Support	01701301	1
6	Fan Motor	15011307	1
7	Top Connecting Plate Assy	01381015	1
8	Front Clapboard Sub-Assy	01231316	1
9	Base Plate Of Air Flue	01221303	1
10	SteppingMotor	15211008	1
11	Propeller housing Assy	12101303	1
12	Propeller Housing	12101362	1
13	Base of Swing Louver	10521362	1 1
14	Air Door Lever	10581303	1
15	Cross Beam	24241364	1
16	Air Louver	10511127	1
17	Centrifugal fan	10311127	1
	Front Clapboard of Propeller housing	0123131401	
18 19	Evaporator Assy	0123131401	1
	· · · · · · · · · · · · · · · · · · ·		
20	Compressor and fittings	00101325	1
21	Compressor Gasket	76710302	3
22	Capillary Sub-Assy	03001792	1
23	Inhalation Tube Sub-Assy	03631716	1
24	Discharge Tube Sub-assy	03631717	1
25	Water Tray	12411006	1
26	Chassis Sub-assy	0120110505P	1
27	Drainage hole cap	76711012	1
28	Drainage Box	20181125	1
29	Chassis clamp	01211307	1
30	Power Cord	40020491	1
31	Electric Box Assy	20101606	1
32	Sleeving	42032402	1
33	Main Board	30132126	1
34	Capacitor CBB65	33000081	1
35	Capacitor CBB61	33010010	1
36	Electric box	20111030	1
37	Temperature Sensor	39000320	1
38	Temperature Sensor	39000321	1
39	Display Board	30562049	1
40	LCD board (Remote Control)	20120036	1
41	Membrane	22431132	1
42	Front Panel Assy	20001439	1
43	Guide blade lever	10581305	1
44	Air Louver	10511033	12
45	Front Case	20001419	1
46	Filter Sub-Assy	11121304	1
47	Front Panel 2	20001436	1
48	Remote Controller	30511030	1

GJC07AF-K6RNB3A



	Description	Part Code	
NO.	•	GJC07AF-K6RNB3A	Qty
	Product code	CC052047300	
1	Cabinet Assy	0143111601	1
2	Condenser Assy	01101359	1
3	Axial Flow Fan	10331365	1
4	Rear Clapboard	01231111	1
5	Motor Support	01701301	1
6	Fan Motor	15011307	1
7	Top Connecting Plate Assy	01381015	1
8	Front Clapboard Sub-Assy	01231107	1
9	Base Plate Of Air Flue	01221303	1
10	SteppingMotor	15211008	1
11	Propeller housing Assy	12101303	1
12	Propeller Housing	12101362	1
13	Base of Swing Louver	10521362	1
14	Air Door Lever	10581303	1
15	Cross Beam	24241364	1
16	Air Louver	10511127	1
17	Centrifugal fan	10311004	1
18	Front Clapboard of Propeller housing	0123131401	1 1
19	Evaporator Assy	01001123	1 1
20	Compressor and fittings	00101325	1
21	Compressor Gasket	76710302	3
22	Capillary Sub-Assy	03001792	1
23	Inhalation Tube Sub-Assy	03631716	1
24	Discharge Tube Sub-assy	03631710	1
25	Water Tray	12411006	1
26	Chassis Sub-assy	0120110505P	1
27	Drainage hole cap	76711012	1
28	Drainage Box	20181125	1
29		01211307	
	Chassis clamp		1
30	Power Cord	40020491	1
31	Electric Box Assy	20101606	1
32	Sleeving	42032402	1
33	Main Board	30132126	1
34	Capacitor CBB65	33000081	1
35	Capacitor CBB61	33010010	1
36	Electric box	20111030	1
37	Temperature Sensor	39000320	1
38	Temperature Sensor	39000321	1
39	Display Board	30562049	1
40	LCD board (Remote Control)	20120036	1
41	Membrane	22431132	1
42	Front Panel Assy	20001426	1
43	Guide blade lever	10581305	1
44	Air Louver	10511033	12
45	Front Case	20001419	1
46	Filter Sub-Assy	11121304	1
47	Air Intake Panel	20001418	1
48	Remote Controller	30511030	1

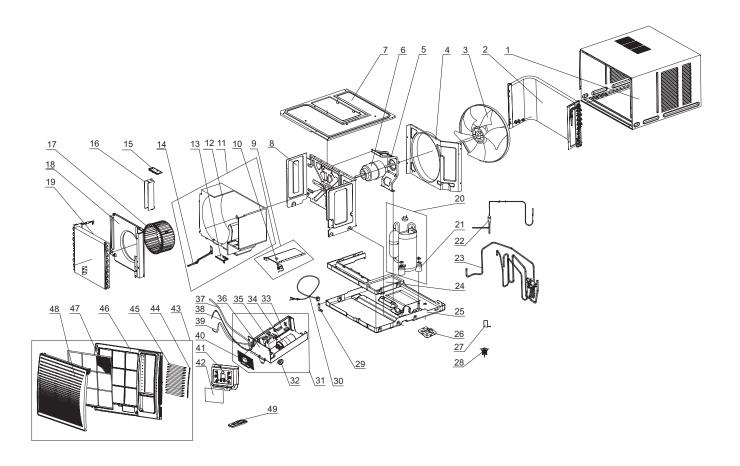
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Installation and Maintenance

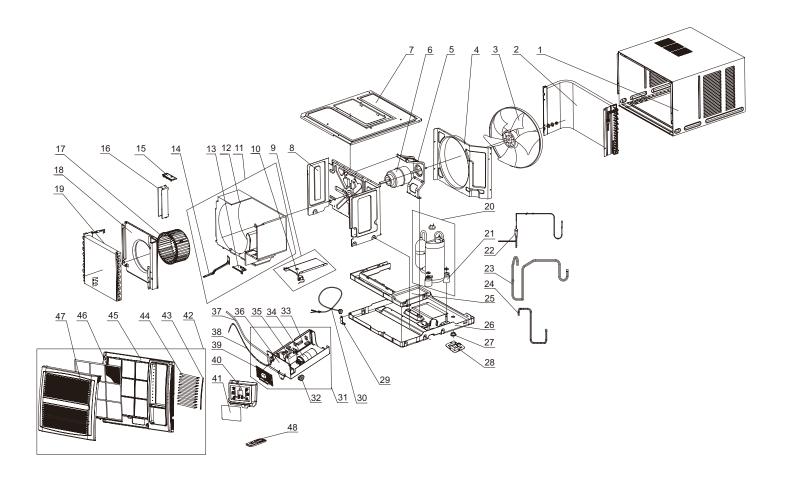
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NO.	<u> </u>	GJH07AF-K6RNC2A	Qty
	Product code	CC052031100	
1	Cabinet Assy	0143111601	1
2	Condenser Assy	0110111401	1
3	Axial Flow Fan	10331365	1
4	Rear Clapboard	01231111	1
5	Motor Support	01701301	1
6	Fan Motor	15011307	1
7	Top Connecting Plate Assy	01381015	1
8	Front Clapboard Sub-Assy	01231316	1
9	Base Plate Of Air Flue	01221303	1
10	SteppingMotor	15211008	1
11	Propeller housing Assy	12101303	1
12	Propeller Housing	12101362	1
13	Base of Swing Louver	10521362	1
14	Air Door Lever	10581303	1
15	Cross Beam	24241364	1
16	Air Louver	10511127	1
17	Centrifugal fan	10311004	1
18	Front Clapboard of Propeller housing	0123131401	1
19	Evaporator Assy	01001200	1
20	Compressor and fittings	00101325	1
21	Compressor Gasket	76710302	3
22	Capillary Sub-Assy	03001835	1
23	4-Way Valve Assy	03021112	1
24	Water Tray	12411006	1
25	Chassis Sub-assy	0120110506P	1
26	Drainage Box	20181125	1
27	Magnet Coil	430004017	1
28	Drainage Valve	07101001	1
29	Chassis clamp	01211307	1
30	Power Cord	40020491	1
31	Electric Box Assy	20101607	1
32	Sleeving	42032402	1
33	Main Board	30132127	1
34	Capacitor CBB65	33000081	1
35	Capacitor CBB61	33010010	1
36	Electric box	20111030	1
37	Temperature Sensor	39000320	1
38	Temperature Sensor	39000321	1
39	Temperature Sensor	3900032101	1
40	Display Board	30562049	1
41	LCD board (Remote Control)	20120036	1
42	Membrane	2243113201	1
43	Front Panel Assy	20001439	1
44	Guide blade lever	10581305	1
45	Air Louver	10581303	12
46	Front Case	20001419	12
47	Filter Sub-Assy	11121304	1 1
48	Front Panel 2	20001436S	1
49	Remote Controller	30511030	1

GJH07AF-K6RNB3A



NO.	Description	Part Code GJH07AF-K6RNB3A	Otv
NO.	Product code	CC052047500	Qty
1	Cabinet Assy	0143111601	1
2	Condenser Assy	0143111001	1
3	Axial Flow Fan	10331365	1 1
4	Rear Clapboard	01231095	1
5	·		1
6	Motor Support Fan Motor	01701301 15011307	1
7			
8	Top Connecting Plate Assy	01381015 01231107	1 1
	Front Clapboard Sub-Assy Base Plate Of Air Flue	01231107	1
9			
10	SteppingMotor	15211008	1
11	Propeller housing Assy	12101303	1
12	Propeller Housing	12101362	1
13	Base of Swing Louver	10521362	1
14	Air Door Lever	10581303	1
15	Cross Beam	24241364	1
16	Air Louver	10511127	1
17	Centrifugal fan	10311004	1
18	Front Clapboard of Propeller housing	0123131402	1
19	Evaporator Assy	01001130	1
20	Compressor and fittings	00101325	1
21	Compressor Gasket	76710302	3
22	Capillary Sub-Assy	03001835	1
23	4-Way Valve Assy	03021112	1
24	Water Tray	12411006	1
25	Chassis Sub-assy	0120110506P	1
26	Drainage Box	20181125	1
27	Magnet Coil	430004017	1
28	Drainage Valve	07101001	1
29	Chassis clamp	01211307	1
30	Power Cord	40020491	1
31	Electric Box Assy	20101607	1
32	Sleeving	42032402	1
33	Main Board	30132127	1
34	Capacitor CBB65	33000081	1
35	Capacitor CBB61	33010010	1
36	Electric box	20111030	1
37	Temperature Sensor	39000320	1
38	Temperature Sensor	39000321	1
39	Temperature Sensor	3900032101	1
40	Display Board	30562049	1
41	LCD board (Remote Control)	20120036	1
42	Membrane	2243113201	1
43	Front Panel Assy	20001426	1
44	Guide blade lever	10581305	1
45	Air Louver	10511033	12
46	Front Case	20001419	1
47	Filter Sub-Assy	11121304	1
48	Air Intake Panel	20001418	1
49	Remote Controller	30511030	1

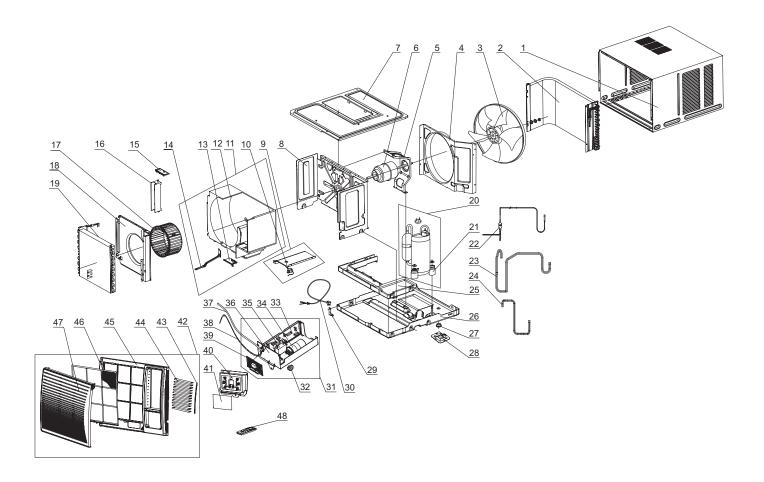
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Installation and Maintenance

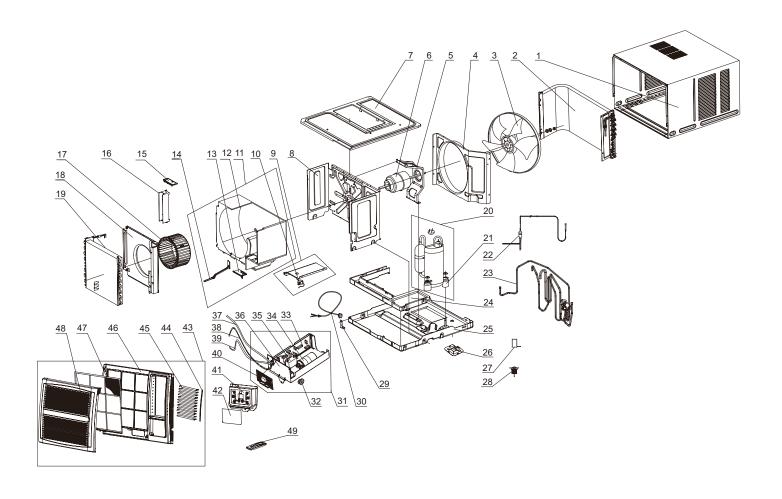
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NO.	Description	GJC09AF-K6RNC2A	Qty
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1	Cabinet Assy	0143111601	1
2	Condenser Assy	01101359	1
3	Axial Flow Fan	10331365	1
4	Rear Clapboard	01231111	1
5	Motor Support	01701301	1
6	Fan Motor	15011307	1
7	Top Connecting Plate Assy	01381015	1
8	Front Clapboard Sub-Assy	01231316	1
9	Base Plate Of Air Flue	01221303	1
10	SteppingMotor	15211008	1
11	Propeller housing Assy	12101303	1
12	Propeller Housing	12101362	1
13	Base of Swing Louver	10521362	1
14	Air Door Lever	10581303	1
15	Cross Beam	24241364	1
16	Air Louver	10511127	1
17	Centrifugal fan	10311004	1
18	Front Clapboard of Propeller housing	0123131401	1
19	Evaporator Assy	01001123	1
20	Compressor and fittings	00101326	1
21	Compressor Gasket	76710287	3
22	Capillary Sub-Assy	03001792	1
23	Inhalation Tube Sub-Assy	03631638	1
24	Discharge Tube	03611864	1
25	Water Tray	12411006	1
26	Chassis Sub-assy	0120110503P	1 1
27	Drainage hole cap	76711012	1
28	Drainage Box	20181125	1
29	Chassis clamp	01211307	1
30	Power Cord	40020491	1
31	Electric Box Assy	20101609	1
32	Sleeving	42032402	1
33	Main Board	30132126	1
34	Capacitor CBB65	3300008101	1
35	Capacitor CBB61	33010010	1
36	Electric box	20111030	1
37	Temperature Sensor	39000320	1
38	Temperature Sensor	39000321	1
39	Display Board	30562049	1
40	LCD board (Remote Control)	20120036	1
41	Membrane	22431132	1
42	Front Panel Assy	20001439	1
43	Guide blade lever	10581305	1
44	Air Louver	10511033	12
45	Front Case	20001419	1
46	Filter Sub-Assy	11121304	1
47	Front Panel 2	20001436	1
48	Remote Controller	30511030	1

GJC09AF-K6RNB3A



NO.	Description	Part Code	Ot.
NO.	Draduat and	GJC09AF-K6RNB3A	Qty
1	Product code	CC052047200	1
2	Cabinet Assy	0143111601 01101359	1
	Condenser Assy Axial Flow Fan	10331365	
3			1
4	Rear Clapboard	01231111	1
5	Motor Support	01701301	1
6	Fan Motor	15011307	1
7	Top Connecting Plate Assy	01381015	1
8	Front Clapboard Sub-Assy	01231107	1
9	Base Plate Of Air Flue	01221303	1
10	SteppingMotor	15211008	1
11	Propeller housing Assy	12101303	1
12	Propeller Housing	12101362	1
13	Base of Swing Louver	10521362	1
14	Air Door Lever	10581303	1
15	Cross Beam	24241364	1
16	Air Louver	10511127	1
17	Centrifugal fan	10311004	1
18	Front Clapboard of Propeller housing	0123131401	1
19	Evaporator Assy	01001123	1
20	Compressor and fittings	00101326	1
21	Compressor Gasket	76710287	3
22	Capillary Sub-Assy	03001792	1
23	Inhalation Tube Sub-Assy	03631638	1
24	Discharge Tube	03611864	1
25	Water Tray	12411006	1
26	Chassis Sub-assy	0120110503P	1
27	Drainage hole cap	76711012	1
28	Drainage Box	20181125	1
29	Chassis clamp	01211307	1
30	Power Cord	40020491	1
31	Electric Box Assy	20101609	1
32	Sleeving	42032402	1
33	Main Board	30132126	1
34	Capacitor CBB65	330008101	1
35	Capacitor CBB61	33010010	1
36	Electric box	20111030	1
37	Temperature Sensor	39000320	1
38	Temperature Sensor	39000321	1
39	Display Board	30562049	1
40	LCD board (Remote Control)	20120036	1
41	Membrane	22431132	1
42	Front Panel Assy	20001426	1
43	Guide blade lever	10581305	1
44	Air Louver	10511033	12
45	Front Case	20001419	12
46	Filter Sub-Assy	11121304	1
47	Air Intake Panel	20001418	1
48	Remote Controller	30511030	1

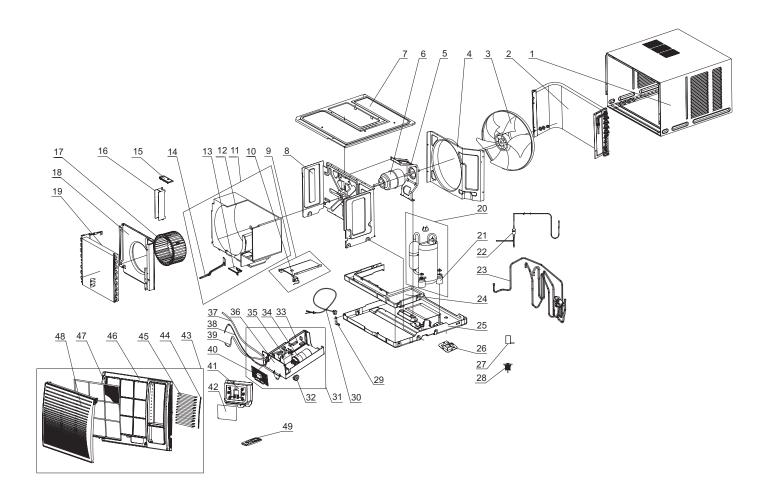
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Installation and Maintenance

	Description	Part Code	
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	Product code	CC052031300	
1	Cabinet Assy	0143111601	1
2	Condenser Assy	0110111401	1
3	Axial Flow Fan	10331365	1
4	Rear Clapboard	01231111	1
5	Motor Support	01701301	1
6	Fan Motor	15011307	1
7	Top Connecting Plate Assy	01381015	1
8	Front Clapboard Sub-Assy	01231316	1
9	Base Plate Of Air Flue	01221303	1
10	SteppingMotor	15211008	1
11	Propeller housing Assy	12101303	1
12	Propeller Housing	12101362	1
13	Base of Swing Louver	10521362	1
14	Air Door Lever	10581303	1
15	Cross Beam	24241364	1
16	Air Louver	10511127	1
17	Centrifugal fan	10311004	1
18	Front Clapboard of Propeller housing	0123131401	1
19	Evaporator Assy	01001200	1
20	Compressor and fittings	00101326	1
21	Compressor Gasket	76710287	3
22	Capillary Sub-Assy	03001833	1
23	4-Way Valve Assy	03021111	1
24	Water Tray	12411006	1
25	Chassis Sub-assy	0120110504P	1
26	Drainage Box	20181125	1
27	Magnet Coil	430004017	1
28	Drainage Valve	07101001	1
29	Chassis clamp	01211307	1
30	Power Cord	40020491	1
31	Electric Box Assy	20101611	1
32	Sleeving	42032402	1
33	Main Board	30132127	1
34	Capacitor CBB65	3300008101	1
35	Capacitor CBB61	33010010	1
36	Electric box	20111030	1
37	Temperature Sensor	39000320	1
38	Temperature Sensor	39000321	1
39	Temperature Sensor	3900032101	1
40	Display Board	30562049	1
41	LCD board (Remote Control)	20120036	1
42	Membrane	2243113201	1
43	Front Panel Assy	20001439	1
44	Guide blade lever	10581305	1
45	Air Louver	10511033	12
46	Front Case	20001419	1
47	Filter Sub-Assy	11121304	1
48	Front Panel 2	20001436S	1
49	Remote Controller	30511030	1

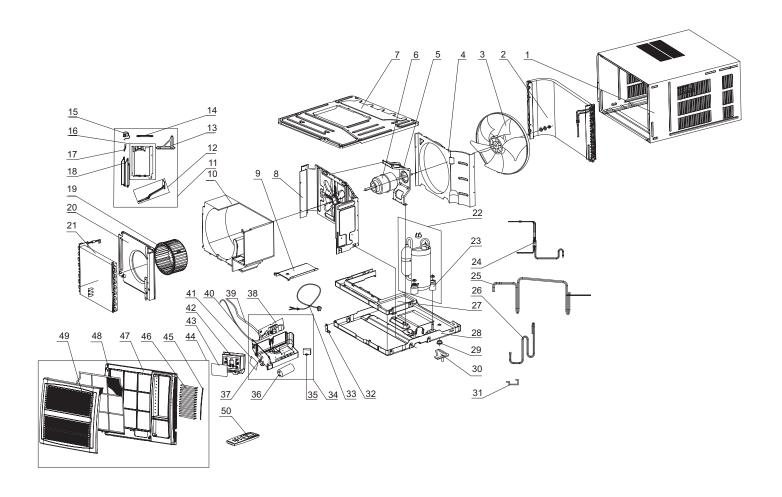
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Installation and Maintenance

	Description	Part Code	
NO.	<u>'</u>	GJH09AFK6RNB3A	Qty
	Product code	CC052047000	
11	Cabinet Assy	0143111601	
2	Condenser Assy	0110111401	
3	Axial Flow Fan	10331365	
4	Rear Clapboard	01231111	
5	Motor Support	01701301	
6	Fan Motor	15011307	
7	Top Connecting Plate Assy	01381015	
8	Front Clapboard Sub-Assy	01231107	
9	Base Plate Of Air Flue	01221303	
10	SteppingMotor	15211008	
11	Propeller housing Assy	12101303	
12	Propeller Housing	12101362	
13	Base of Swing Louver	10521362	
14	Air Door Lever	10581303	
15	Cross Beam	24241364	
16	Air Louver	10511127	
17	Centrifugal fan	10311004	
18	Front Clapboard of Propeller housing	0123131401	
19	Evaporator Assy	01001200	
20	Compressor and fittings	00101326	
21	Compressor Gasket	76710287	
22	Capillary Sub-Assy	03001833	
23	4-Way Valve Assy	03021111	İ
24	Water Tray	12411006	
25	Chassis Sub-assy	0120110504P	
26	Drainage Box	20181125	
27	Magnet Coil	430004017	
28	Drainage Valve	07101001	İ
29	Chassis clamp	01211307	
30	Power Cord	40020491	
31	Electric Box Assy	20101611	
32	Sleeving	42032402	
33	Main Board	30132127	
34	Capacitor CBB65	3300008101	
35	Capacitor CBB61	33010010	
36	Electric box	20111030	
37	Temperature Sensor	39000320	
38	Temperature Sensor	39000321	
39	Temperature Sensor	3900032101	
40	Display Board	30562049	
41	LCD board (Remote Control)	20120036	
42	Membrane	2243113201	
43	Front Panel Assy	20001426	
44	Guide blade lever	10581305	
45	Air Louver	10511033	
46	Front Case	20001419	
47	Filter Sub-Assy	11121304	
48	Air Intake Panel	20001418	
49	Remote Controller	30511030	

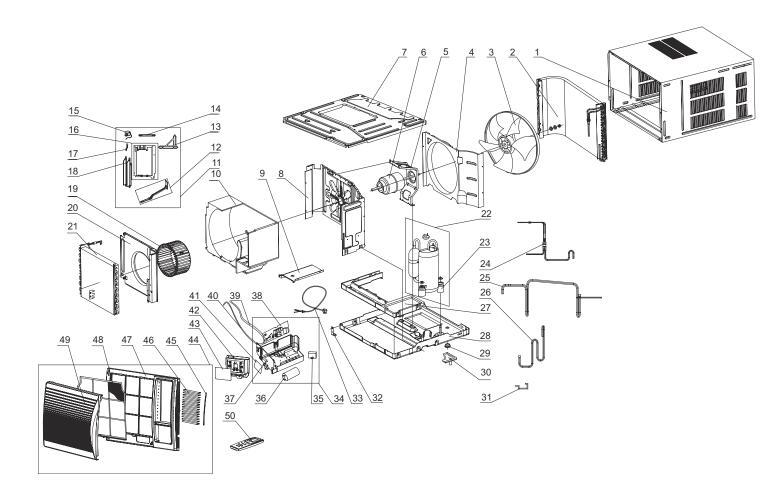
GJC12AD-K6RNC2A



Installation and Maintenance

NO.	Description	Part Code GJC12AD-K6RNC2A	Qty
NO.	Product code	CC052031400	Qiy
1	Cabinet Assy	01431170	1
2	Condenser Assy	0110136001	1
3	Axial Flow Fan	10331163	1
4	Rear Clapboard	01231502	1
5	Motor Support1	01701605	1
6	Fan Motor	150116065	1
7	Top Cover Board Sub-assy	01251503	1
8		01231804	1
9	Front Clapboard Sub-Assy Base Plate Of Air Flue	01221602	1
10	Propeller Housing	12101602	1
11	Air Outlet Sub-Assy	2000103601	1
12	Air Door Lever	10581601	1
13	Swing lever	10581602	1
14	Swing Lever2	10581021	1
15	Stepping Motor	1521211601	1
16	Swing blade Support	10581603	1
17	Crank	73011001	1
18	Air Louver	10511601	2
19	Centrifugal fan Sub-Assy	10311501	1
20	Front Clapboard of Propeller housing	01231604	1
21	Evaporator Assy	01001221	1
22	Compressor and fittings	00101329	1
23	Compressor Gasket	76711043	3
24	Capillary Sub-Assy	03001836	1
25	Inhalation Tube Sub-Assy	03631639	1
26	Discharge Tube	03611865	1
27	Water Tray	12411007	1
28	Chassis Sub-assy	01201220P	1
29	Drainage hole cap	76711012	1
30	Drainage Box	20181801	1
31	Cabinet Fastener	26251601	1
32	Chassis clamp	01211601	1
33	Power Cord	40020491	1
34	Electric Box Assy	20101610	1
35	Capacitor CBB61	33010037	1
36	Capacitor CBB65	3300008102	1
37	Electric box	20111033	1
38	Main Board	30132126	1
39	Temperature Sensor	39000320	1
40	Temperature Sensor	39000321	1
41	Display Board	30562049	1
42	LCD board(remote control)	20120037	1
43	Membrane	22431132	1
44	Front Panel Assy	20001441	1
45	Guide blade lever	10581604	1
46	Guide blade Guide blade	105116021	14
47	Front Case	20001601	1
48	Filter Sub-Assy	11121601	1
49	Front Panel 2	20001434	1
50	Remote Controller	30511030	1

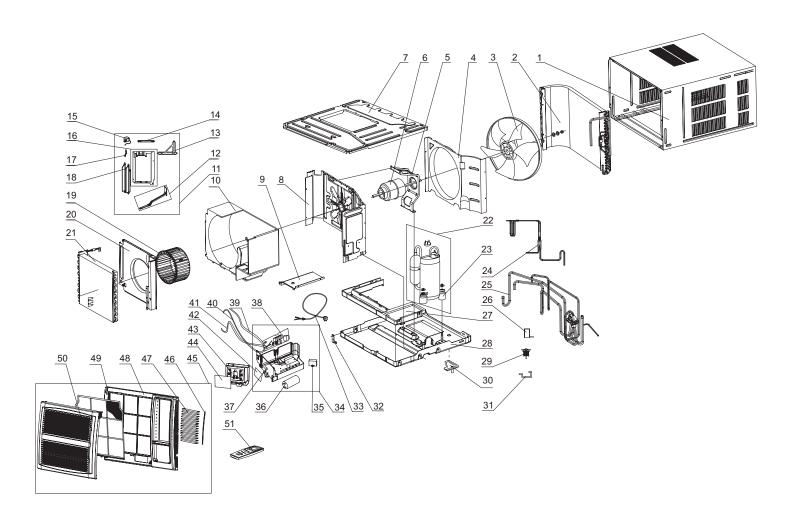
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Installation and Maintenance

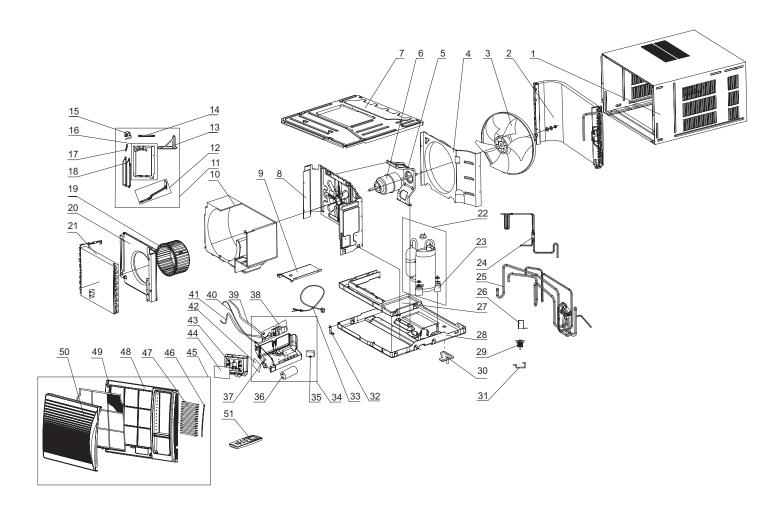
	Description	Part Code	
NO.	·	GJC12ADK6RNB3A	Qty
	Product code	CC052047100	
	Cabinet Assy	01431170	1
2	Condenser Assy	0110136001	1
3	Axial Flow Fan	10331163	1
4	Rear Clapboard	01231502	1
5	Motor Support1	01701605	1
6	Fan Motor	150116065	1
7	Top Cover Board Sub-assy	01251503	1
8	Front Clapboard Sub-Assy	01231804	1
9	Base Plate Of Air Flue	01221602	1
10	Propeller Housing	12101602	1
11	Air Outlet Sub-Assy	2000103601	1
	Air Door Lever	10581601	1
13	Swing lever	10581602	1
	Swing Lever2	10581021	1
	Stepping Motor	1521211601	1
	Swing blade Support	10581603	1
	Crank	73011001	1
	Air Louver	10511601	2
	Centrifugal fan Sub-Assy	10311501	1
	Front Clapboard of Propeller housing	01231604	1
	Evaporator Assy	01001221	1
	Compressor and fittings		1
		00101329 76711043	
	Compressor Gasket		3
	Capillary Sub-Assy	03001836	
	Inhalation Tube Sub-Assy	03631639	1
	Discharge Tube	03611865	1
	Water Tray	12411007	1
	Chassis Sub-assy	01201220P	1
	Drainage hole cap	76711012	1
	Drainage Box	20181801	1
	Cabinet Fastener	26251601	1
32	Chassis clamp	01211601	1
	Power Cord	40020491	1
	Electric Box Assy	20101610	1
	Capacitor CBB61	33010037	1
	Capacitor CBB65	3300008102	1
	Electric box	20111033	1
	Main Board	30132126	1
	Temperature Sensor	39000320	1
	Temperature Sensor	39000321	1
	Display Board	30562049	1
42	LCD board(remote control)	20120037	1
43	Membrane	22431132	1
44	Front Panel Assy	20001801	1
45	Guide blade lever	10581604	1
46	Guide blade	105116021	14
47	Front Case	20001601	1
48	Filter Sub-Assy	11121601	1
	Air Intake Panel	20001602	1
	Remote Controller	30511030	1

GJH12AD-K6RNC2A



NO	Description	Part Code	
NO.	·	GJH12AD-K6RNC2A	Qty
	Product code	CC052031500	
1	Cabinet Assy	01431170	1
2	Condenser Assy	01101365	1
3	Axial Flow Fan	10331163	1
4	Rear Clapboard	01231502	1
5	Motor Support1	01701605	1
6	Fan Motor	150116065	1
7	Top Cover Board Sub-assy	01251503	1
8	Front Clapboard Sub-Assy	01231804	1
9	Base Plate Of Air Flue	01221602	1
10	Propeller Housing	12101602	1
11	Air Outlet Sub-Assy	2000103601	1
12	Air Door Lever	10581601	1
13	Swing lever	10581602	1
14	Swing Lever2	10581021	1
15	SteppingMotor	1521211601	1
16	Swing blade Support	10581603	1
17	Crank	73011001	1
18	Air Louver	10511601	2
19	Centrifugal fan Sub-Assy	10311501	1
20	Front Clapboard of Propeller housing	01231604	1
21	Evaporator Assy	01001125	1
22	Compressor and fittings	00101329	1
23	Compressor Gasket	76711043	3
24	Capillary Sub-Assy	03001793	1
25	4-Way Valve Assy	03021232	1
26	Magnet Coil	430004017	1
27	Water Tray	12411007	1
28	Chassis Sub-assy	0120122001P	1
29	Drainage Valve	07101001	1
30	Drainage Valve Drainage Box	20181801	1
31	Cabinet Fastener	26251601	1
32	Chassis clamp	01211601	1
		40020491	
33 34	Power Cord Electric Box Assy	20101612	1
	· ·		
35	Capacitor CBB65	33010037	1
36	Capacitor CBB65	330008102	1
37	Electric box	20111033	1
38	Main Board	30132127	1
39	Temperature Sensor	39000320	1
40	Temperature Sensor	39000321	1
41	Temperature Sensor	3900032101	1
42	Display Board	30562049	1
43	LCD board(remote control)	20120037	1
44	Membrane	2243113201	1
45	Front Panel Assy	20001441	1
46	Guide blade lever	10581604	1
47	Guide blade	105116021	14
48	Front Case	20001601	1
49	Filter Sub-Assy	11121601	1
50	Front Panel 2	20001434	1
51	Remote Controller	30511030	1

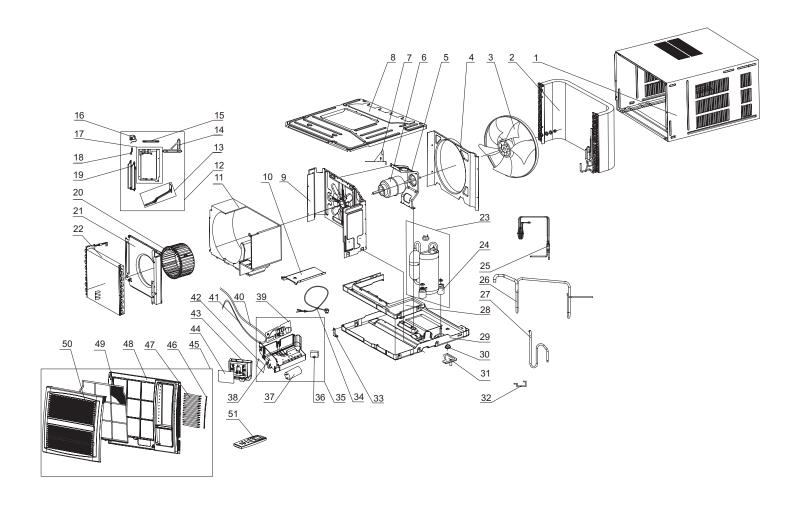
GJH12ADK6RNB3A



Installation and Maintenance

NO.	Description	Part Code GJH12ADK6RNB3A	Qty
1	Cabinet Assy	01431170	1
2	Condenser Assy	01101365	1
3	Axial Flow Fan	10331163	1
4	Rear Clapboard	01231502	1
5	Motor Support1	01701605	1
6	Fan Motor	150116065	1
7	Top Cover Board Sub-assy	01251503	1
8	Front Clapboard Sub-Assy	01231804	1
9	Base Plate Of Air Flue	01221602	1
10	Propeller Housing	12101602	1
11	Air Outlet Sub-Assy	2000103601	1
12	Air Door Lever	10581601	1
13	Swing lever	10581602	1
14	Swing Lever2	10581021	1
15	SteppingMotor	1521211601	1
16	Swing blade Support	10581603	1
17	Crank	73011001	1
18	Air Louver	10511601	2
19	Centrifugal fan Sub-Assy	10311501	1
20	Front Clapboard of Propeller housing	01231604	1
21	Evaporator Assy	01001125	1
22	Compressor and fittings	00101329	1
23	Compressor Gasket	76711043	3
24	Capillary Sub-Assy	03001793	1
25	4-Way Valve Assy	03021232	1
26	Magnet Coil	43004017	1
27	Water Tray	12411007	1
28	Chassis Sub-assy	0120122001P	1
29	Drainage Valve	07101001	1
30	Drainage Box	20181801	1
31	Cabinet Fastener	26251601	1
32	Chassis clamp	01211601	1
33	Power Cord	40020491	1
34	Electric Box Assy	20101612	1
35	Capacitor CBB61	33010037	1
36	Capacitor CBB65	3300008102	1
37	Electric box	20111033	1
38	Main Board	30132127	1
39	Temperature Sensor	39000320	1
40	Temperature Sensor	39000321	1
41	Temperature Sensor	3900032101	1
42	Display Board	30562049	1
43	LCD board(remote control)	20120037	1
44	Membrane	2243113201	1
45	Front Panel Assy	20001801	1
46	Guide blade lever	10581604	1
47	Guide blade	105116021	14
48	Front Case	20001601	1
49	Filter Sub-Assy	11121601	1
50	Air Intake Panel	20001602	1
51	Remote Controller	30511030	1

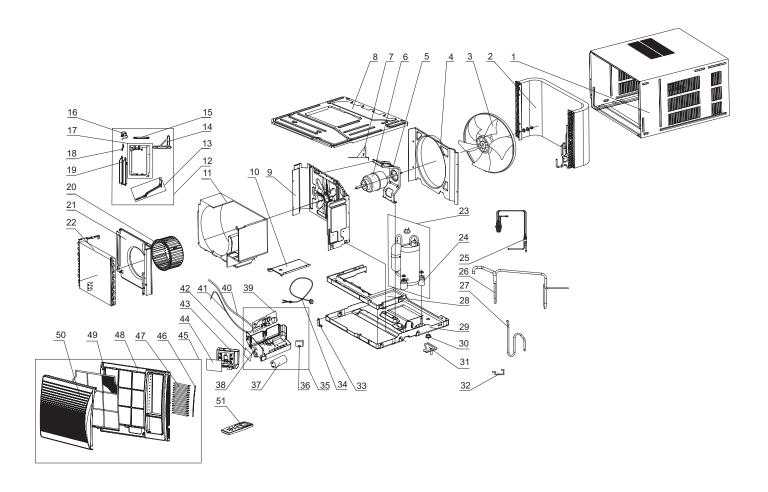
GJC18AC-K6RNC2A



Installation and Maintenance

NO	Description	Part Code	
NO.	Post of souls	GJC18AC-K6RNC2A	Qty
4	Product code	CC052031600	
1	Cabinet Assy	0143112601	1
2	Condenser Assy	0110135801	1
3	Axial Flow Fan	10331163	1
4	Rear Clapboard	01231099	1
5	Motor Support 1	01701605	1
6	Fan Motor	1501120707	1
7	Motor Support 2	01701604	1
8	Top Cover Board Sub-assy	01251611	1
9	Front Clapboard Sub-Assy	01231804	1
10	Base Plate Of Air Flue	01221602	1
11	Propeller Housing	12101602	1
12	Air Outlet Sub-Assy	2000103601	1
13	Air Door Lever	10581601	1
14	Swing lever	10581602	1
15	Swing Lever2	10581021	1
16	Stepping Motor	1521211601	1
17	Swing blade Support	10581603	1
18	Crank	73011001	1
19	Air Louver	10511601	2
20	Centrifugal Fan Sub-Assy	10311501	1
21	Front Clapboard of Propeller housing	01231604	1
22	Evaporator Assy	01001221	1
23	Compressor and fittings	00101327	1
24	Compressor Gasket	76812805	3
25	Capillary Sub-Assy	03001837	1
26	Inhalation Tube Sub-Assy	03631640	1
27	Discharge Tube	03611866	1
28	Water Tray	12411007	1
29	Chassis Sub-assy	0120123501P	1
30	Drainage hole cap	76711012	1
31	Drainage Box	20181801	1
32	Cabinet Fastener	26251601	1
33	Chassis clamp	01211601	1
34	Power Cord	40020491	1
35	Electric Box Assy	20101608	1
36	Capacitor CBB61	33010009	1
37	Capacitor CBB65	33010009	1
38	Electric box	20111033	1
39	Main Board	30132126	1
40			1
	Temperature Sensor	39000320	
41	Temperature Sensor	39000321	1
42	Display Board	30562049	1
43	LCD board(remote control)	20120037	1
44	Membrane	22431132	1
45	Front Panel Assy	20001441	1
46	Guide blade lever	10581604	1
47	Guide blade	105116021	14
48	Front Case	20001601	1
49	Filter Sub-Assy	11121601	1
50	Front Panel 2	20001434	1
51	Remote Controller	30511030	1

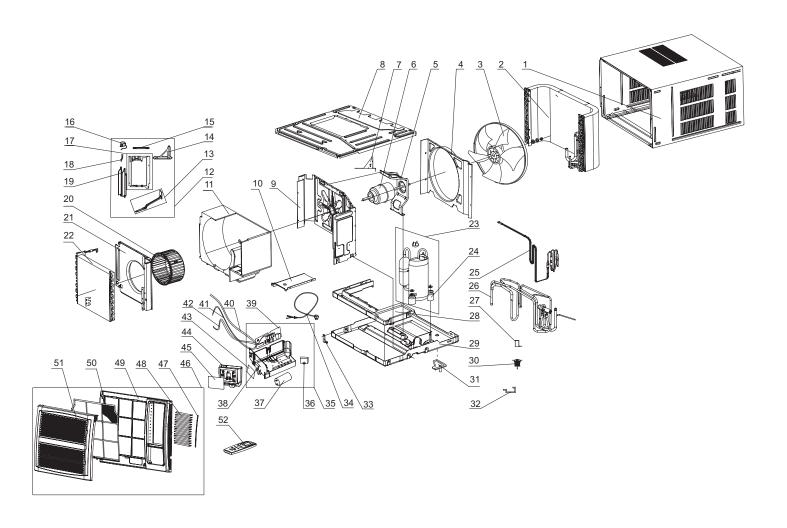
GJC18ACK6RNB3A



Installation and Maintenance

	Description	Part Code	
NO.	Description	GJC18ACK6RNB3A	Qty
	Product code	CC052047600	
1	Cabinet Assy	0143112601	1
2	Condenser Assy	0110135801	1
3	Axial Flow Fan	10331163	1
4	Rear Clapboard	01231099	1
5	Motor Support 1	01701605	1
6	Fan Motor	1501120707	1
7	Motor Support 2	01701604	1
8	Top Cover Board Sub-assy	01251611	1
9	Front Clapboard Sub-Assy	01231804	1
10	Base Plate Of Air Flue	01221602	1
11	Propeller Housing	12101602	1
12	Air Outlet Sub-Assy	2000103601	1
13	Air Door Lever	10581601	1
14	Swing lever	10581602	1
15	Swing Lever2	10581021	1
16	Stepping Motor	1521211601	1
17	Swing blade Support	10581603	1
18	Crank	73011001	1
19	Air Louver	10511601	2
20	Centrifugal Fan Sub-Assy	10311501	1
21	Front Clapboard of Propeller housing	01231604	1
22	Evaporator Assy	01001221	1
23	Compressor and fittings	00101327	1
24	Compressor Gasket	76711065	3
25	Capillary Sub-Assy	03001837	1
26	Inhalation Tube Sub-Assy	03631640	1
27	Discharge Tube	03611866	1
28	Water Tray	12411007	1
29	Chassis Sub-assy	0120123501P	1
30	Drainage hole cap	76711012	1
31	Drainage Box	20181801	1
32	Cabinet Fastener	26251601	1
33	Chassis clamp	01211601	1
34	Power Cord	40020491	1
35	Electric Box Assy	20101608	1
36	Capacitor CBB61	33010009	1
37	Capacitor CBB65	3300008103	1
38	Electric box	20111033	1
39	Main Board	30132126	1
40	Temperature Sensor	39000320	1
41	Temperature Sensor	39000321	1
42	Display Board	30562049	1
43	LCD board(remote control)	20120037	1
44	Membrane	22431132	1
45	Front Panel Assy	20001801	1
46	Guide blade lever	10581604	1
47	Guide blade	105116021	14
48	Front Case	20001601	1
49	Filter Sub-Assy	11121601	1 1
50	Air Intake Panel	20001602	1
51	Remote Controller	30511030	1

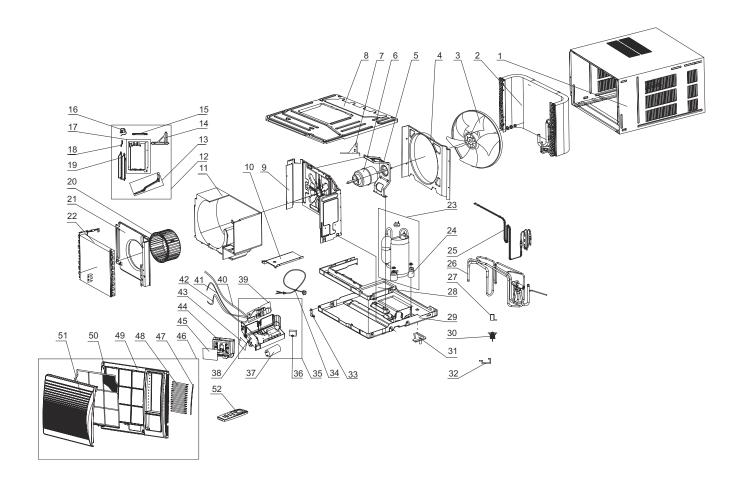
GJH18AC-K6RNC2A



Installation and Maintenance

NO.	Description	Part Code GJH18AC-K6RNC2A CC052031700	Qty
	Product code		Qiy
1	Cabinet Assy	0143112601	1
2	Condenser Assy	0143112001	1
3	Axial Flow Fan	10331163	1
4	Rear Clapboard	01231099	1
5	Motor Support 1	01701605	1
6	Fan Motor	1501120707	1
7	Motor Support 2	01701604	1
8	Top Cover Board Sub-assy	01701604	1
9	Front Clapboard Sub-Assy	01231804	1
10	Base Plate Of Air Flue	01221602	1
11	Propeller Housing	12101602	1
12	Air Outlet Sub-Assy	2000103601	1
13	Air Door Lever	10581601	1
14	Swing lever	10581602	1
15	Swing Lever2	10581021	1
16	SteppingMotor	1521211601	1
17	Swing blade Support	10581603	1
18	Crank	73011001	1
19	Air Louver	10511601	2
20	Centrifugal Fan Sub-Assy	10311501	1
21	Front Clapboard of Propeller housing	01231604	1
22	Evaporator Assy	01001125	1
23	Compressor and fittings	00101327	1
24	Compressor Gasket	76812805	3
25	Capillary Sub-Assy	03001538	1
26	4-Way Valve Assy	03021233	1
27	Magnet Coil	430004017	1
28	Water Tray	12411007	1
29	Chassis Sub-assy	01201235P	1
30	Drainage Valve	07101001	1
31	Drainage Box	20181801	1
32	Cabinet Fastener	26251601	1
33	Chassis clamp	01211601	1
34	Power Cord	40020491	1
35	Electric Box Assy	20101615	1
36	Capacitor CBB61	33010009	1
37	Capacitor CBB65	3300008103	1
38	Electric box	20111033	1
39	Main Board	30132127	1
40	Temperature Sensor	39000320	1
41	Temperature Sensor	39000321	1
42	Temperature Sensor	3900032101	1
43	Display Board	30562049	1
44	LCD board(remote control)	20120037	1
45	Membrane	2243113201	1
46	Front Panel Assy	20001441	1
47	Guide blade lever	10581604	1
48	Guide blade	105116021	14
49	Front Case	20001601	1
50	Filter Sub-Assy	11121601	1
51	Front Panel 2	20001434	1
52	Remote Controller	30511030	1

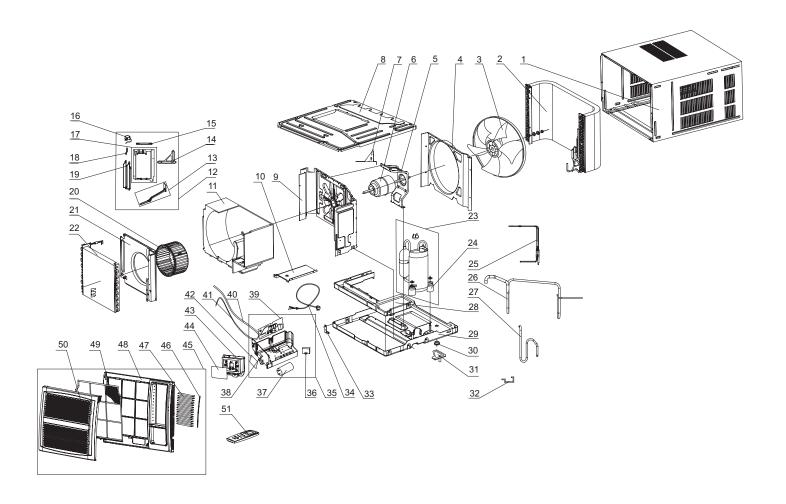
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Installation and Maintenance

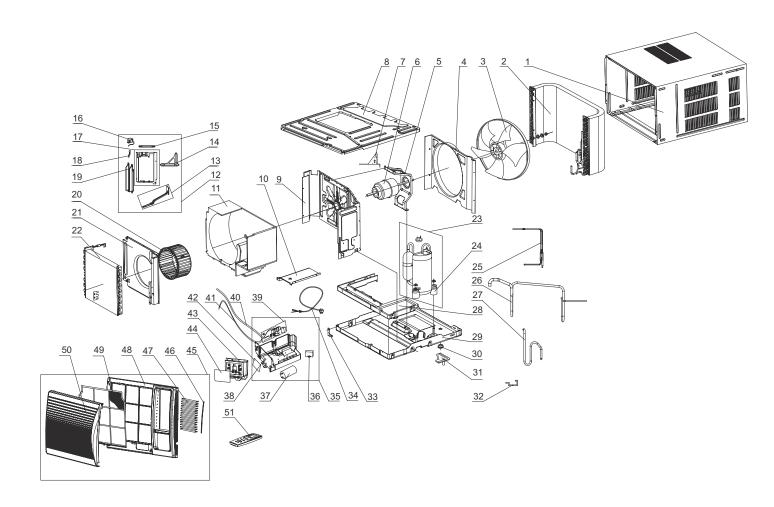
NO.	Description	Part Code	
		GJH18ACK6RNB3A	Qty
	Product code	CC052046800	
1	Cabinet Assy	0143112601	1
2	Condenser Assy	01101362	1
3	Axial Flow Fan	10331163	1
4	Rear Clapboard	01231099	1
5	Motor Support 1	01701605	1
6	Fan Motor	1501120707	1
7	Motor Support 2	01701604	1
8	Top Cover Board Sub-assy	01251611	1
9	Front Clapboard Sub-Assy	01231804	1
10	Base Plate Of Air Flue	01221602	1
11	Propeller Housing	12101602	1
12	Air Outlet Sub-Assy	2000103601	1
13	Air Door Lever	10581601	1
14	Swing lever	10581602	1
15	Swing Lever2	10581021	1
16	SteppingMotor	1521211601	1
17	Swing blade Support	10581603	1
18	Crank	73011001	1
19	Air Louver	10511601	2
20	Centrifugal Fan Sub-Assy	10311501	1
21	Front Clapboard of Propeller housing	01231604	1
22	Evaporator Assy	01001125	1
23	Compressor and fittings	00101327	1
24	Compressor Gasket	76711065	3
25	Capillary Sub-Assy	03001538	1
26	4-Way Valve Assy	03021233	1
27	Magnet Coil	430004017	1
28	Water Tray	12411007	1
29	Chassis Sub-assy	01201235P	1
30	Drainage Valve	07101001	1
31	Drainage Box	20181801	1
32	Cabinet Fastener	26251601	1
33	Chassis clamp	01211601	1
34	Power Cord	40020491	1
35	Electric Box Assy	20101615	1
36	Capacitor CBB61	33010009	1
37	Capacitor CBB65	3300008103	1
38	Electric box	20111033	1
39	Main Board	30132127	1
40	Temperature Sensor	39000320	1
41	Temperature Sensor	39000321	1
42	Temperature Sensor	3900032101	1
43	Display Board	30562049	1
44	LCD board(remote control)	20120037	1
45	Membrane	2243113201	1
46	Front Panel Assy	20001801	1
47	Guide blade lever	10581604	1
48	Guide blade	105116021	14
49	Front Case	20001601	1
50	Filter Sub-Assy	11121601	1
51	Air Intake Panel	20001602	1
52	Remote Controller	30511030	1

GJC21AC-K6RNC2A



	Description	Part Code	
NO.	Description	GJC21AC-K6RNC2A	Qty
	Product code	CC052031800	
1	Cabinet Assy	0143112601	1
2	Condenser Assy	0110135801	1
3	Axial Flow Fan	10331163	1
4	Rear Clapboard	01231099	1
5	Motor Support 1	01701605	1
6	Fan Motor	1501120707	1
7	Motor Support 2	01701604	1
8	Top Cover Board Sub-assy	01251611	1
9	Front Clapboard Sub-Assy	01231804	1
10	Base Plate Of Air Flue	01221602	1
11	Propeller Housing	12101602	1
12	Air Outlet Sub-Assy	2000103601	1
13	Air Door Lever	10581601	1
14	Swing lever	10581602	1
15	Swing Lever2	10581022	1
16	Stepping Motor	1521211601	1
17	Swing blade Support	10581603	1
18	Crank	73011001	1
19	Air Louver	10511601	2
20	Centrifugal Fan Sub-Assy	10311501	
	·		1
21	Front Clapboard of Propeller housing	01231604	1
22	Evaporator Assy	01001125	1
23	Compressor and fittings	00101328	1
24	Compressor Gasket	76711043	3
25	Capillary Sub-Assy	03001838	1
26	Inhalation Tube Sub-Assy	03631874	1
27	Discharge Tube	03611866	1
28	Water Tray	12411007	1
29	Chassis Sub-assy	0120123501P	1
30	Drainage hole cap	76711012	1
31	Drainage Box	20181801	1
32	Cabinet Fastener	26251601	1
33	Chassis clamp	01211601	1
34	Power Cord	400204911	1
35	Electric Box Assy	20101613	1
36	Capacitor CBB61	33010009	1
37	Capacitor CBB65	3300008104	1
38	Electric box	20111033	1
39	Main Board	30132126	1
40	Temperature Sensor	39000320	1
41	Temperature Sensor	39000321	1
42	Display Board	30562049	1
43	LCD board(remote control)	20120037	1
44	Membrane	22431132	1
45	Front Panel Assy	20001441	1
46	Guide blade lever	10581604	1
47	Guide blade	105116021	14
48	Front Case	20001601	1
49	Filter Sub-Assy	11121601	1
50	Front Panel 2	20001434	1
51	Remote Controller	30511030	1

GJC21ACK6RNB3A

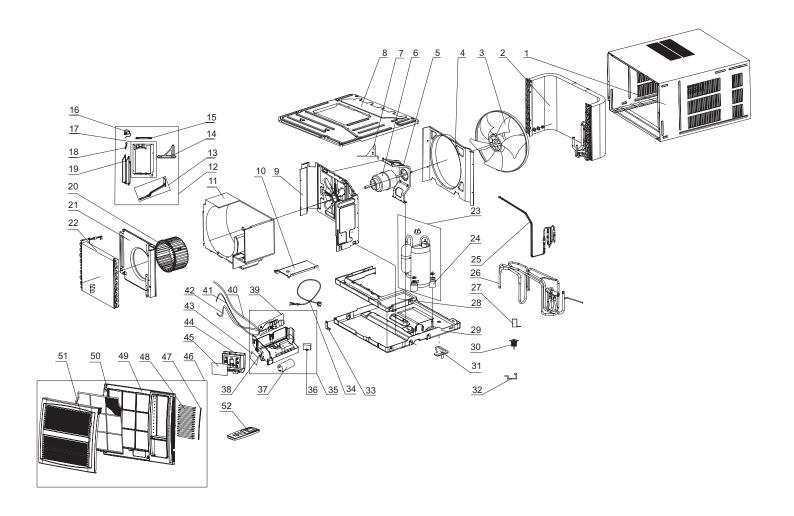


Installation and Maintenance

	Description	Part Code				
NO.		GJC21ACK6RNB3A	Qty			
	Product code	CC052047700				
1	Cabinet Assy	0143112601	1			
2	Condenser Assy	0110135801	1			
3	Axial Flow Fan	10331163	1			
4	Rear Clapboard	01231099	1			
5	Motor Support 1	01701605	1			
6	Fan Motor	1501120707	1			
7	Motor Support 2	01701604	1			
8	Top Cover Board Sub-assy	01251611	1			
9	Front Clapboard Sub-Assy	01231804	1			
10	Base Plate Of Air Flue	01221602	1			
11	Propeller Housing	12101602	1			
12	Air Outlet Sub-Assy	2000103601	1			
13	Air Door Lever	10581601	1			
14	Swing lever	10581602	1			
15	Swing Lever2	10581021	1			
16	Stepping Motor	1521211601	1			
17	Swing blade Support	10581603	1			
18	Crank	73011001	1			
19	Air Louver	10511601	2			
20	Centrifugal Fan Sub-Assy	10311501	1			
21	Front Clapboard of Propeller housing	01231604	1			
22	Evaporator Assy	01001125	1			
23	Compressor and fittings	00101328	1			
24	Compressor Gasket	76711065	3			
25	Capillary Sub-Assy	03001838	1			
26	Inhalation Tube Sub-Assy	03631874	1			
27	Discharge Tube	03611866	1			
28	Water Tray	12411007	1			
29	Chassis Sub-assy	0120123501P	1			
30	Drainage hole cap	76711012	1			
31	Drainage Box	20181801	1			
32	Cabinet Fastener	26251601	1			
33	Chassis clamp	01211601	1			
34	Power Cord	400204911	1			
35	Electric Box Assy	20101613	1			
36	Capacitor CBB61	33010009	1			
37	Capacitor CBB65	33010009	1			
	<u> </u>					
38	Electric box	20111033	1			
39	Main Board	30132126	<u>_</u>			
40	Temperature Sensor	39000320	1			
41	Temperature Sensor	39000321	1			
42	Display Board	30562049	1			
43	LCD board(remote control)	20120037	1			
44	Membrane	22431132	1			
45	Front Panel Assy	20001801	1			
46	Guide blade lever	10581604	1			
47	Guide blade	105116021	14			
48	Front Case	20001601	1			
49	Filter Sub-Assy	11121601	1			
50	Air Intake Panel	20001602	1			
51	Remote Controller	30511030	1			

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GJH21AC-K6RNC2A

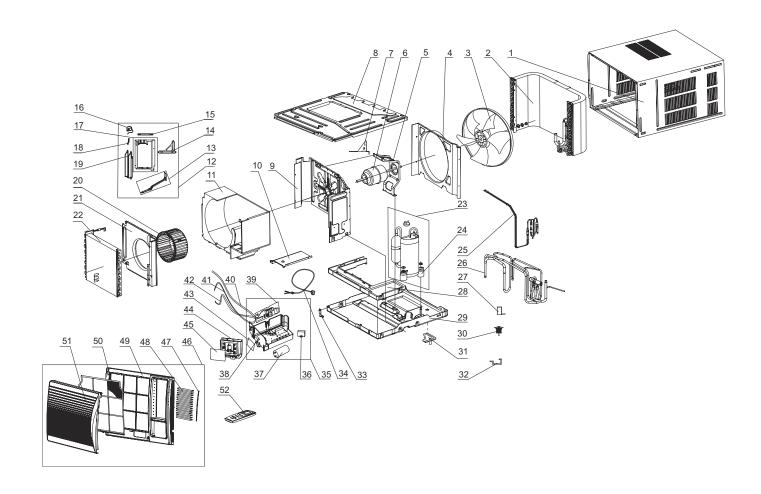


Installation and Maintenance

	Description	Part Code	
NO.		GJH21AC-K6RNC2A	Qty
	Product code	CC052031900	
1	Cabinet Assy	01431118	1
2	Condenser Assy	01101366	1
3	Axial Flow Fan	10331163	1
4	Rear Clapboard	01231099	1
5	Motor Support 1	01701605	1
6	Fan Motor	1501120707	1
7	Motor Support 2	01701604	1
8	Top Cover Board Sub-assy	01251611	1
9	Front Clapboard Sub-Assy	01231804	1
10	Base Plate Of Air Flue	01221602	1
11	Propeller Housing	12101602	1
12	Air Outlet Sub-Assy	2000103601	1
13	Air Door Lever	10581601	1
14	Swing lever	10581602	1
15	Swing Lever2	10581021	1
16	SteppingMotor	1521211601	1
17	Swing blade Support	10581603	1
18	Crank	73011001	1
19	Air Louver	10511601	2
20	Centrifugal Fan Sub-Assy	10311501	1
21	Front Clapboard of Propeller housing	01231604	1
22	Evaporator Assy	01001125	1
23	Compressor and fittings	00101328	1
24	Compressor Gasket	76711043	3
25	Capillary Sub-Assy	03001539	1
26	4-Way Valve Assy	03021233	1
27	Magnet Coil	430004017	1
28	Water Tray	12411007	1
29	Chassis Sub-assy	01201235P	1
30	Drainage Valve	07101001	1
31	Drainage Box	20181801	1
32	Cabinet Fastener	26251601	1
33	Chassis clamp	01211601	1
34	Power Cord	400204911	1
35	Electric Box Assy	20101614	1
36	Capacitor CBB61	33010009	1
37	Capacitor CBB65	3300008104	1
38	Electric box	20111033	1
39	Main Board	30132127	1
40	Temperature Sensor	39000320	1
41	Temperature Sensor	39000321	1
42	Temperature Sensor	3900032101	1
43	Display Board	30562049	1
44	LCD board(remote control)	20120037	1
45	Membrane	2243113201	1
46	Front Panel Assy	20001441	1
47	Guide blade lever	10581604	1
48	Guide blade	105116021	14
49	Front Case	20001601	1
50	Filter Sub-Assy	11121601	+ 1
51	Front Panel 2	20001434S	1
52	Remote Controller	30511030	1

Above data is subject to change without notice.

GJH21ACK6RNB3A



	Description	Part Code				
NO.	·	GJH21ACK6RNB3A	Qty			
	Product code	CC052046700				
1	Cabinet Assy	01431118	1			
2	Condenser Assy	01101118	1			
3	Axial Flow Fan	10331163	1			
4	Rear Clapboard	01231099	1			
5	Motor Support 1	01701605	1			
6	Fan Motor	1501120707	1			
7	Motor Support 2	01701604	1			
8	Top Cover Board Sub-assy	01251611	1			
9	Front Clapboard Sub-Assy	01231804	1			
10	Base Plate Of Air Flue	01221602	1			
11	Propeller Housing	12101602	1			
12	Air Outlet Sub-Assy	2000103601	1			
13	Air Door Lever	10581601	1			
14	Swing lever	10581602	1			
15	Swing Lever2	10581021	1			
16	SteppingMotor	1521211601	1			
17	Swing blade Support	10581603	1			
18	Crank	73011001	1			
19	Air Louver	10511601	2			
20	Centrifugal Fan Sub-Assy	10311501	1			
21	Front Clapboard of Propeller housing	01231604	1			
22	Evaporator Assy	01001125	1			
23	Compressor and fittings	00101328	1			
24	Compressor Gasket	76711065	3			
25	Capillary Sub-Assy	03001539	1			
26	4-Way Valve Assy	03021233	1			
27	Magnet Coil	430004017	1			
28	Water Tray	12411007	1			
29	Chassis Sub-assy	01201235P	1			
30	Drainage Valve	07101001	1			
31	Drainage Box	20181801	1			
32	Cabinet Fastener	26251601	1			
33	Chassis clamp	01211601	1			
34	Power Cord	400204911	1			
35	Electric Box Assy	20101614	1			
36	Capacitor CBB61	33010009	1			
37	Capacitor CBB65	330008104	1			
38	Electric box	20111033	1			
39	Main Board	30132127	1			
40	Temperature Sensor	39000320	1			
41	Temperature Sensor	39000321	1			
42	Temperature Sensor	3900032101	1			
43	Display Board	30562049	1			
44	LCD board(remote control)	20120037	1			
45	Membrane	2243113201	1			
46	Front Panel Assy	20001801	1			
47	Guide blade lever	10581604	1			
48	Guide blade	105116021	14			
49	Front Case	20001601	1			
50	Filter Sub-Assy	11121601	1			
51	Air Intake Panel	20001602	1			
52	Remote Controller	30511030	1			

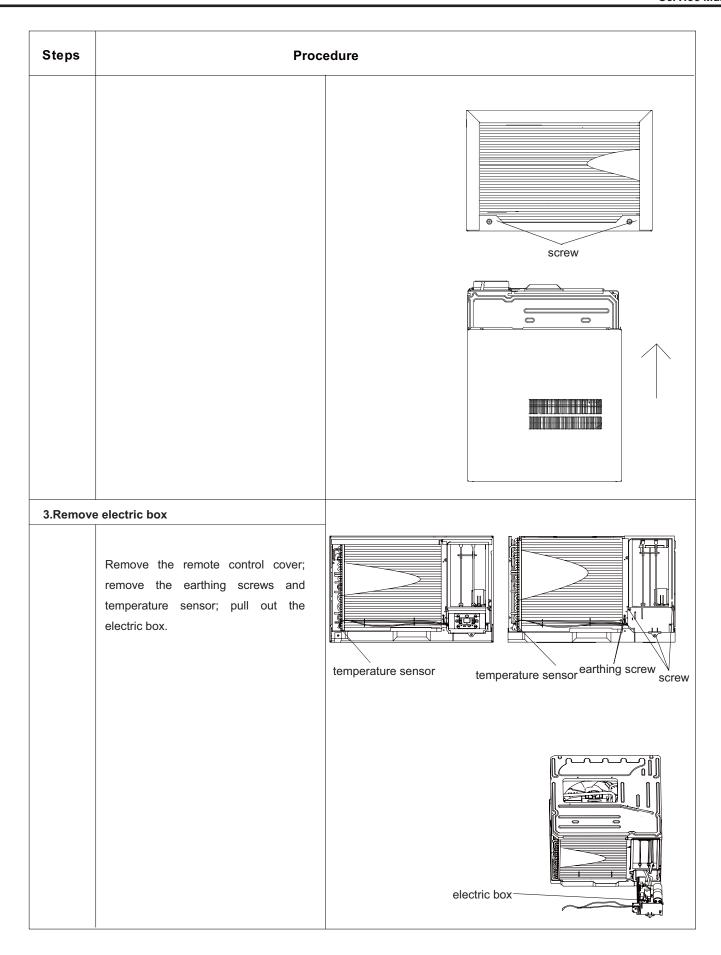
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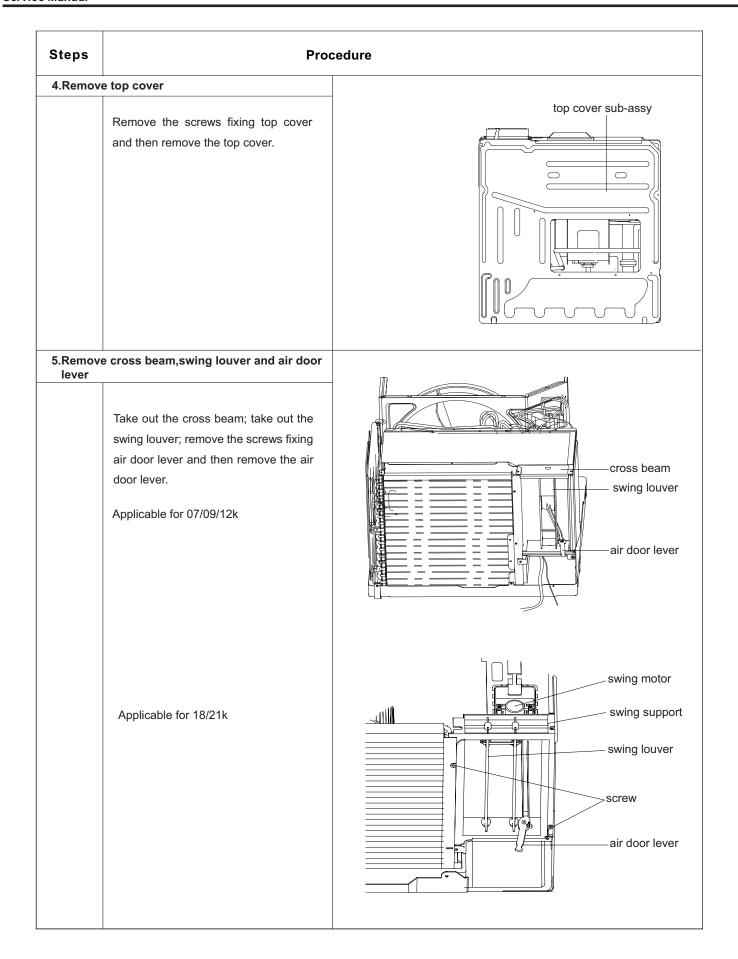
11.Removal Procedure

Caution: pull out the power, discharge the refrigerant completely before removal.

Cooling model

Steps	Proce	edure
1.Remove	Open the air-inlet panel; remove the filter; remove the screws in the middle, at the left side and right side of the panel; beat the clasp of cabinet slightly and then remove the panel.	air-inlet panel
2. Remove	Loosen the clasp fixing chassis; remove the screws fixing the rear part of cabinet and then pull out the unit.	clasp fixing chassis





Steps **Procedure** 6.Remove evaporator Unsolder each connection pipe (Note: discharge the refrigerant completely before unsoldering). Remove the screws fixing evaporator and then remove the evaporator. screw < evaporator 7.Remove condenser Unsolder each connection pipe (Note: discharge the refrigerant completely before unsoldering). Remove the screws fixing condenser and then remove the condenser. condenser screw Applicable for 18/21k screw Applicable for 07/09/12k condenser screw

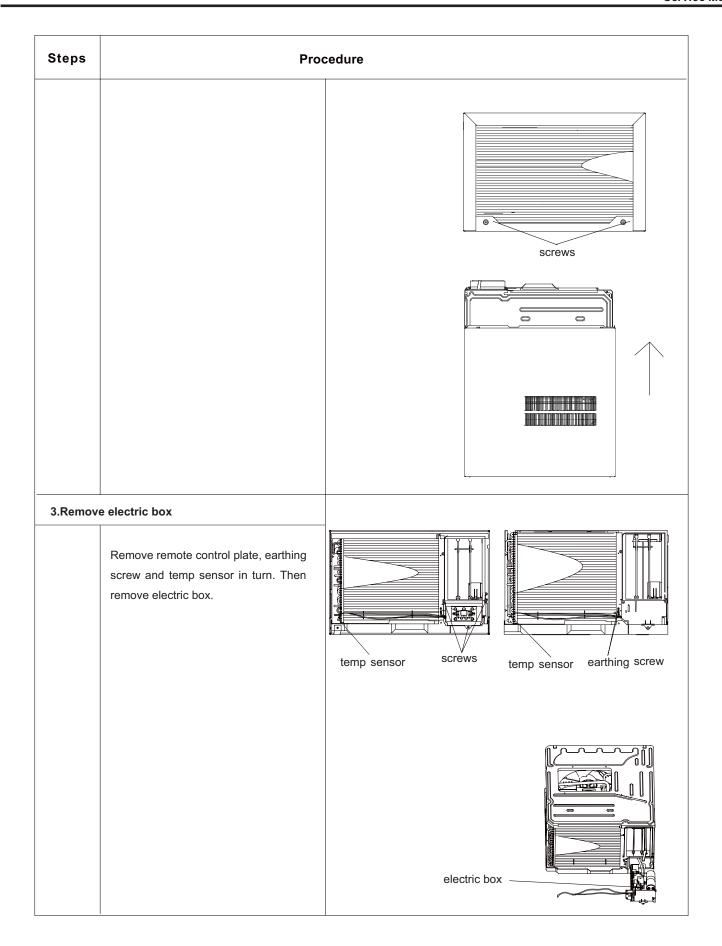
Steps **Procedure** 8.Remove axial flow blade Remove the nuts of axial flow blade; remove the washer and then remove the axial flow blade. nut axial flow blade 9.Remove centrifugal blade Remove the nuts of centrifugal blade and then remove the centrifugal blade. centrifugal blade nut

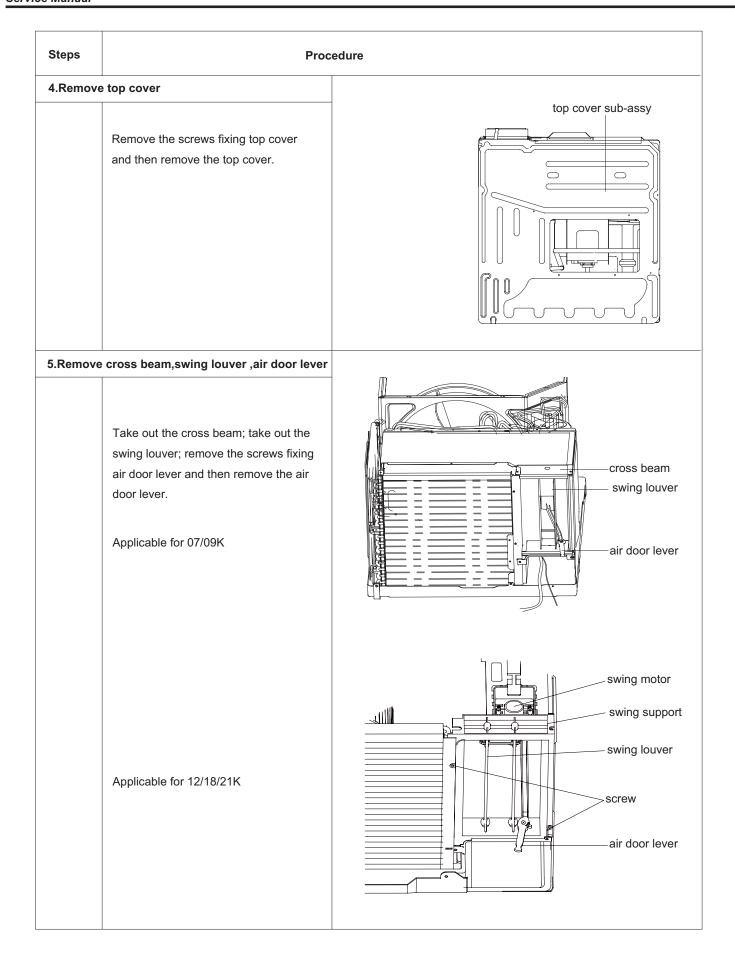
Steps **Procedure** 10.Remove motor Remove the screws of motor support; take out the motor support; remove the screws of motor and then remove the motor. motor screw 11.Remove compressor Unsolder each connection pipe (Note: discharge the refrigerant completely before unsoldering). Remove the 3 foot nuts of compressor and then remove the compressor. compressor foot nut welding joint

Cooling & Heating model

Procedure Steps 1.Remove panel assy Open the air-inlet panel; remove the filter; remove the screws in the middle, at the left side and right side of the panel; beat the clasp of cabinet slightly and then remove the panel. air-inlet pane filter screw 2.Remove cabinet Loosen the clasp fixing chassis; remove the screws fixing the rear part of cabinet and then pull out the unit. clasp fixing chassis

Installation and Maintenance





Steps **Procedure** 6.Remove evaporator Unsolder each connecting pipe (Note: discharge refrigerant firstly) and then remove screws fixing evaporator. Then remove evaporator. evaporator screws 7.Remove condenser Unsolder each connecting pipe (Note: discharge refrigerant firstly.) Remove screws fixing condenser and then remove condenser. condenser screws screws condenser

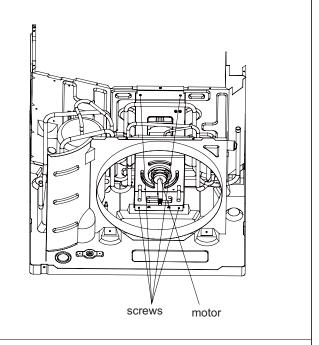
Steps Procedure 8. Remove axial flow fan blade Remove nut fixing axial flow fan blade and the washer. Then remove axial flow fan blade. nut axial flow fan blade 9.Remove centrifugal fan blade Remove nut fixing centrifugal fan blade and then remove centrifugal fan blade. centrifugal fan blade nut 10.Remove 4-way valve assembly Unsolder pipe of 4-way valve. Then remove 4-way valve assembly. 4-way valve assembly

Steps

Procedure

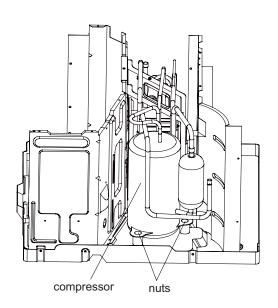
11.Remove motor

Remove screws of motor support and then remove motor support. Remove screws of motor and then remove the motor.



12.Remove compressor

Unsolder each connecting pipe (Note: discharge refrigerant firstly) and then remove 3-hold down nuts of compressor. Remove compressor.



Appendix:

Appendix 1: Reference Sheet of Celsius and Fahrenheit

Conversion formula for Fahrenheit degree and Celsius degree: Tf=Tcx1.8+32

Set temperature

Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius(°C)	Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius (°C)	Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius (°C)
61	60.8	16	69/70	69.8	21	78/79	78.8	26
62/63	62.6	17	71/72	71.6	22	80/81	80.6	27
64/65	64.4	18	73/74	73.4	23	82/83	82.4	28
66/67	66.2	19	75/76	75.2	24	84/85	84.2	29
68	68	20	77	77	25	86	86	30

Ambient temperature

Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius(°C)	Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius(°C)	Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius(°C)
32/33	32	0	55/56	55.4	13	79/80	78.8	26
34/35	33.8	1	57/58	57.2	14	81	80.6	27
36	35.6	2	59/60	59	15	82/83	82.4	28
37/38	37.4	3	61/62	60.8	16	84/85	84.2	29
39/40	39.2	4	63	62.6	17	86/87	86	30
41/42	41	5	64/65	64.4	18	88/89	87.8	31
43/44	42.8	6	66/67	66.2	19	90	89.6	32
45	44.6	7	68/69	68	20	91/92	91.4	33
46/47	46.4	8	70/71	69.8	21	93/94	93.2	34
48/49	48.2	9	72	71.6	22	95/96	95	35
50/51	50	10	73/74	73.4	23	97/98	96.8	36
52/53	51.8	11	75/76	75.2	24	99	98.6	37
54	53.6	12	77/78	77	25			

Appendix 2: List of Resistance for Ambient Temperature Sensor

Resistance Table of Ambient Temperature Sensor (15K)

Temp(°C)	Resistance(kΩ)	Temp(°C)	Resistance(kΩ)	Temp(°C)	Resistance(kΩ)	Temp(°C)	Resistance(kΩ)
-19	138.1	20	18.75	59	3.848	98	1.071
-18	128.6	21	17.93	60	3.711	99	1.039
-17	121.6	22	17.14	61	3.579	100	1.009
-16	115	23	16.39	62	3.454	101	0.98
-15	108.7	24	15.68	63	3.333	102	0.952
-14	102.9	25	15	64	3.217	103	0.925
-13	97.4	26	14.36	65	3.105	104	0.898
-12	92.22	27	13.74	66	2.998	105	0.873
-11	87.35	28	13.16	67	2.896	106	0.848
-10	82.75	29	12.6	68	2.797	107	0.825
-9	78.43	30	12.07	69	2.702	108	0.802
-8	74.35	31	11.57	70	2.611	109	0.779
-7	70.5	32	11.09	71	2.523	110	0.758
-6	66.88	33	10.63	72	2.439	111	0.737
-5	63.46	34	10.2	73	2.358	112	0.717
-4	60.23	35	9.779	74	2.28	113	0.697
-3	57.18	36	9.382	75	2.206	114	0.678
-2	54.31	37	9.003	76	2.133	115	0.66
-1	51.59	38	8.642	77	2.064	116	0.642
0	49.02	39	8.297	78	1.997	117	0.625
1	46.6	40	7.967	79	1.933	118	0.608
2	44.31	41	7.653	80	1.871	119	0.592
3	42.14	42	7.352	81	1.811	120	0.577
4	40.09	43	7.065	82	1.754	121	0.561
5	38.15	44	6.791	83	1.699	122	0.547
6	36.32	45	6.529	84	1.645	123	0.532
7	34.58	46	6.278	85	1.594	124	0.519
8	32.94	47	6.038	86	1.544	125	0.505
9	31.38	48	5.809	87	1.497	126	0.492
10	29.9	49	5.589	88	1.451	127	0.48
11	28.51	50	5.379	89	1.408	128	0.467
12	27.18	51	5.197	90	1.363	129	0.456
13	25.92	52	4.986	91	1.322	130	0.444
14	24.73	53	4.802	92	1.282	131	0.433
15	23.6	54	4.625	93	1.244	132	0.422
16	22.53	55	4.456	94	1.207	133	0.412
17	21.51	56	4.294	95	1.171	134	0.401
18	20.54	57	4.139	96	1.136	135	0.391
19	19.63	58	3.99	97	1.103	136	0.382

Resistance Table of Ambient Temperature Sensor (20K)

Temp(°C)	Resistance(kΩ)	Temp(°C)	Resistance(kΩ)	Temp(°C)	Resistance(kΩ)	Temp(°C)	Resistance(kΩ)
-19	181.4	20	25.01	59	5.13	98	1.427
-18	171.4	21	23.9	60	4.948	99	1.386
-17	162.1	22	22.85	61	4.773	100	1.346
-16	153.3	23	21.85	62	4.605	101	1.307
-15	145	24	20.9	63	4.443	102	1.269
-14	137.2	25	20	64	4.289	103	1.233
-13	129.9	26	19.14	65	4.14	104	1.198
-12	123	27	18.13	66	3.998	105	1.164
-11	116.5	28	17.55	67	3.861	106	1.131
-10	110.3	29	16.8	68	3.729	107	1.099
-9	104.6	30	16.1	69	3.603	108	1.069
-8	99.13	31	15.43	70	3.481	109	1.039
-7	94	32	14.79	71	3.364	110	1.01
-6	89.17	33	14.18	72	3.252	111	0.983
-5	84.61	34	13.59	73	3.144	112	0.956
-4	80.31	35	13.04	74	3.04	113	0.93
-3	76.24	36	12.51	75	2.94	114	0.904
-2	72.41	37	12	76	2.844	115	0.88
-1	68.79	38	11.52	77	2.752	116	0.856
0	65.37	39	11.06	78	2.663	117	0.833
1	62.13	40	10.62	79	2.577	118	0.811
2	59.08	41	10.2	80	2.495	119	0.77
3	56.19	42	9.803	81	2.415	120	0.769
4	53.46	43	9.42	82	2.339	121	0.746
5	50.87	44	9.054	83	2.265	122	0.729
6	48.42	45	8.705	84	2.194	123	0.71
7	46.11	46	8.37	85	2.125	124	0.692
8	43.92	47	8.051	86	2.059	125	0.674
9	41.84	48	7.745	87	1.996	126	0.658
10	39.87	49	7.453	88	1.934	127	0.64
11	38.01	50	7.173	89	1.875	128	0.623
12	36.24	51	6.905	90	1.818	129	0.607
13	34.57	52	6.648	91	1.736	130	0.592
14	32.98	53	6.403	92	1.71	131	0.577
15	31.47	54	6.167	93	1.658	132	0.563
16	30.04	55	5.942	94	1.609	133	0.549
17	28.68	56	5.726	95	1.561	134	0.535
18	27.39	57	5.519	96	1.515	135	0.521
19	26.17	58	5.32	97	1.47	136	0.509

Resistance Table of Ambient Temperature Sensor (50K)

Temp(°C)	Resistance(kΩ)	Temp(°C)	Resistance(kΩ)	Temp(°C)	Resistance(kΩ)	Temp(°C)	Resistance(kΩ)
-29	853.5	10	98	49	18.34	88	4.75
-28	799.8	11	93.42	50	17.65	89	4.61
-27	750	12	89.07	51	16.99	90	4.47
-26	703.8	13	84.95	52	16.36	91	4.33
-25	660.8	14	81.05	53	15.75	92	4.20
-24	620.8	15	77.35	54	15.17	93	4.08
-23	580.6	16	73.83	55	14.62	94	3.96
-22	548.9	17	70.5	56	14.09	95	3.84
-21	516.6	18	67.34	57	13.58	96	3.73
-20	486.5	19	64.33	58	13.09	97	3.62
-19	458.3	20	61.48	59	12.62	98	3.51
-18	432	21	58.77	60	12.17	99	3.41
-17	407.4	22	56.19	61	11.74	100	3.32
-16	384.5	23	53.74	62	11.32	101	3.22
-15	362.9	24	51.41	63	10.93	102	3.13
-14	342.8	25	49.19	64	10.54	103	3.04
-13	323.9	26	47.08	65	10.18	104	2.96
-12	306.2	27	45.07	66	9.83	105	2.87
-11	289.6	28	43.16	67	9.49	106	2.79
-10	274	29	41.34	68	9.17	107	2.72
-9	259.3	30	39.61	69	8.85	108	2.64
-8	245.6	31	37.96	70	8.56	109	2.57
-7	232.6	32	36.38	71	8.27	110	2.50
-6	220.5	33	34.88	72	7.99	111	2.43
-5	209	34	33.45	73	7.73	112	2.37
-4	198.3	35	32.09	74	7.47	113	2.30
-3	199.1	36	30.79	75	7.22	114	2.24
-2	178.5	37	29.54	76	7.00	115	2.18
-1	169.5	38	28.36	77	6.76	116	2.12
0	161	39	27.23	78	6.54	117	2.07
1	153	40	26.15	79	6.33	118	2.02
2	145.4	41	25.11	80	6.13	119	1.96
3	138.3	42	24.13	81	5.93	120	1.91
4	131.5	43	23.19	82	5.75	121	1.86
5	125.1	44	22.29	83	5.57	122	1.82
6	119.1	45	21.43	84	5.39	123	1.77
7	113.4	46	20.6	85	5.22	124	1.73
8	108	47	19.81	86	5.06	125	1.68
9	102.8	48	19.06	87	4.90	126	1.64

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GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

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For product improvement, specifications and appearance in this manual are subject to change without prior notice.